

## HF/VHF/UHF ALL MODE TRANSCEIVER

# FT-991

EH057M90B

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### **Introduction**

This manual provides the technical information necessary for servicing the FT-991 HF/VHF/UHF ALL MODE TRANSCEIVER.

Servicing this equipment requires expertise in handling surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components, and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

While we believe the information in this manual to be correct, YAESU assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

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  - PANEL Unit
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  - JACK Unit
  - DSP Unit

### **Important Note**

This transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

### **Caution**

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

## General

|                                     |                                                                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rx Frequency Range:</b>          | 30 kHz - 56 MHz, 118 MHz - 164 MHz, 420 MHz - 470 MHz (operating)<br>1.8 MHz - 54 MHz, 144 MHz - 148 MHz, 430 MHz - 450 MHz (specified performance, Amateur bands only) |
| <b>Tx Frequency Ranges:</b>         | 1.8 MHz - 54 MHz, 144 MHz - 148 MHz, 430 MHz - 450 MHz (Amateur bands only)                                                                                             |
| <b>Frequency Stability:</b>         | ±0.5 ppm (after 1 minute @+14 °F to +122 °F [-10 °C to +50 °C])                                                                                                         |
| <b>Operating Temperature Range:</b> | +14 °F to +122 °F (-10 °C to +50 °C)                                                                                                                                    |
| <b>Emission Modes:</b>              | A1A (CW), A3E (AM), J3E (LSB, USB), F3E (FM), F7W (C4FM), F2D                                                                                                           |
| <b>Frequency Steps:</b>             | 5/10 Hz (SSB, CW, & AM), 100 Hz (FM, C4FM)                                                                                                                              |
| <b>Antenna Impedance:</b>           | 50 Ohms, unbalanced<br>16.7 - 150 Ohms, unbalanced (Tuner ON, 1.8 MHz - 30 MHz Amateur bands)<br>25 - 100 Ohms, unbalanced (Tuner ON, 50 MHz Amateur band)              |
| <b>Power Consumption (Approx.):</b> | Rx (no signal) 1.8 A<br>Rx (signal present) 2.2 A<br>Tx 23 A (HF/50 MHz 100 W)<br>15 A (144/430 MHz 50 W)                                                               |
| <b>Supply Voltage:</b>              | DC 13.8 V ± 15% (Negative Ground)                                                                                                                                       |
| <b>Dimensions (WxHxD):</b>          | 9.0" x 3.2" x 10.0" (229 x 80 x 253 mm)                                                                                                                                 |
| <b>Weight (Approx.):</b>            | 9.5 lbs (4.3 kg)                                                                                                                                                        |

## Transmitter

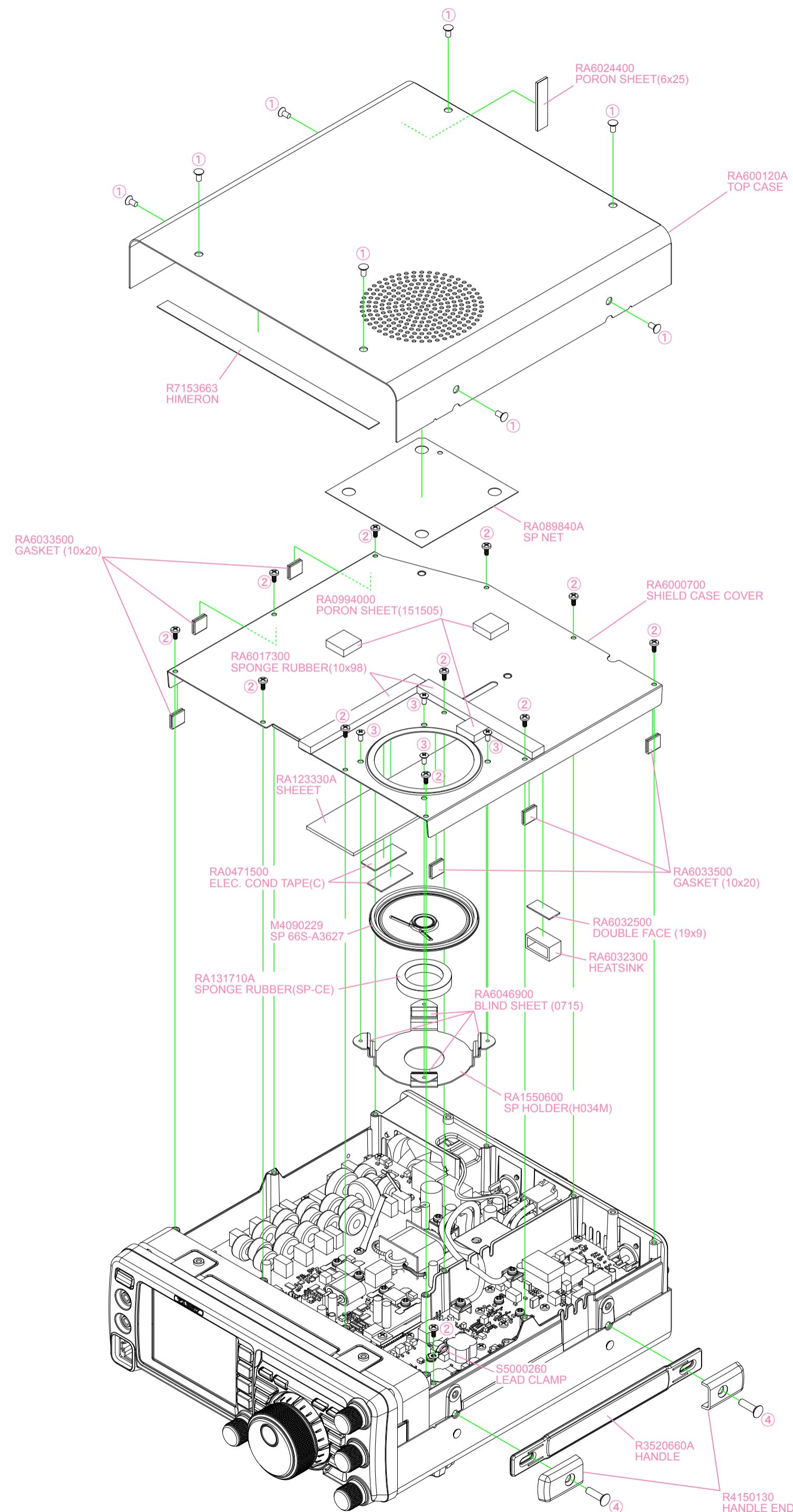
|                                        |                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Output:</b>                   | 5 - 100 watts (2 - 25 watts AM carrier)                                                                                                                |
| <b>Modulation Types:</b>               | J3E (SSB): Balanced,<br>A3E (AM): Low-Level (Early Stage),<br>F3E (FM): Variable Reactance<br>F7W (C4FM): 4-level FSK                                  |
| <b>Maximum FM Deviation:</b>           | ±5.0 kHz/±2.5 kHz                                                                                                                                      |
| <b>Harmonic Radiation:</b>             | Better than -50 dB (1.8 MHz - 30 MHz Amateur bands)<br>Better than -63 dB (30 MHz Amateur band)<br>Better than -60 dB (144 MHz, 430 MHz Amateur bands) |
| <b>SSB Carrier Suppression:</b>        | At least 50 dB below peak output                                                                                                                       |
| <b>Undesired Sideband Suppression:</b> | At least 50 dB below peak output                                                                                                                       |
| <b>Bandwidth:</b>                      | 3 kHz (LSB/USB), 500 Hz (CW), 6 kHz (AM), 16 kHz (FM/C4FM)                                                                                             |
| <b>Audio Response (SSB):</b>           | Not more than -6 dB from 300 to 2700 Hz                                                                                                                |
| <b>Microphone Impedance:</b>           | 600 Ohms (200 to 10 kOhms)                                                                                                                             |



## Receiver

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                               |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Circuit Type:</b>               | SSB/CW/AM: Triple-conversion Superheterodyne<br>FM/C4FM: Double-conversion Superheterodyne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                               |
| <b>Intermediate Frequencies:</b>   | 40.455 MHz<br>SSB/CW/AM: 69.450 MHz/9.000 MHz/24 kHz<br>FM/C4FM: 69.450 MHz/450 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| <b>Sensitivity:</b>                | SSB/CW (BW: 2.4 kHz, 10 dB S+N/N)<br>0.158 $\mu\text{V}$ (1.8 - 30 MHz) (AMP 2 "ON")<br>0.125 $\mu\text{V}$ (50 - 54 MHz) (AMP 2 "ON")<br>0.11 $\mu\text{V}$ (144 - 148 MHz)<br>0.11 $\mu\text{V}$ (430 - 450 MHz)<br>AM (BW: 6 kHz, 10 dB S+N/N, 30 % modulation @400 Hz)<br>5 $\mu\text{V}$ (0.5 - 1.8 MHz) (AMP 2 "ON")<br>1.6 $\mu\text{V}$ (1.8 - 30 MHz) (AMP 2 "ON")<br>1.25 $\mu\text{V}$ (50 - 54 MHz) (AMP 2 "ON")<br>FM (BW: 15 kHz, 12 dB SINAD)<br>0.35 $\mu\text{V}$ (28 - 30 MHz) (AMP 2 "ON")<br>0.35 $\mu\text{V}$ (50 - 54 MHz) (AMP 2 "ON")<br>0.18 $\mu\text{V}$ (144 - 148 MHz)<br>0.18 $\mu\text{V}$ (430 - 440 MHz)<br>There is no specification for frequency ranges not listed. |                                               |
| <b>Squelch Sensitivity (TYP.):</b> | SSB/CW/AM<br>1.0 $\mu\text{V}$ (1.8 - 30 MHz, 50 - 54 MHz) (AMP 2 "ON")<br>1.0 $\mu\text{V}$ (144 - 148 MHz, 430 - 450 MHz)<br>FM<br>0.35 $\mu\text{V}$ (28 - 30 MHz, 50 - 54 MHz) (AMP 2 "ON")<br>0.125 $\mu\text{V}$ (144 - 148 MHz, 430 - 450 MHz)<br>There is no specification for frequency ranges not listed.                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| <b>Selectivity:</b>                | Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -6 dB                      -60 dB             |
|                                    | CW/RTTY/PKT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.5 kHz or better      750 Hz or less         |
|                                    | SSB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.4 kHz or better      3.6 kHz or less        |
|                                    | AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 kHz or better        15 kHz or less         |
|                                    | FM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12 kHz or better      30 kHz or less (-50 dB) |
| <b>Image Rejection:</b>            | 70 dB or better (1.8 MHz - 50 MHz Amateur bands)<br>60 dB or better (144/430 MHz Amateur band)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |
| <b>Maximum Audio Output:</b>       | 2.5 W into 4 Ohms with 10% THD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |
| <b>Audio Output Impedance:</b>     | 4 to 8 Ohms (4 Ohms: nominal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |
| <b>Conducted Radiation:</b>        | Less than 4 nW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |

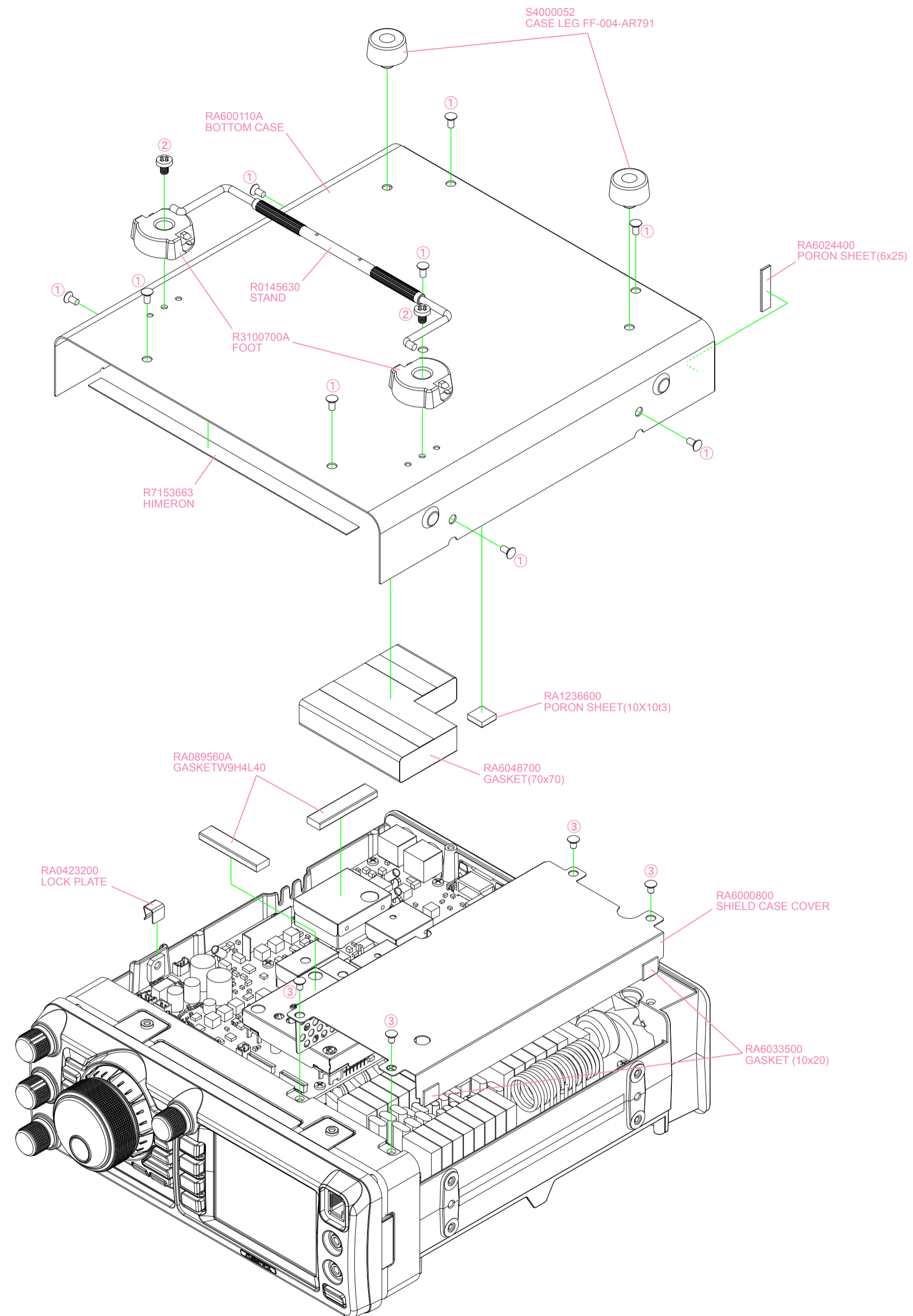
*Specifications are subject to change, in the interest of technical improvement, without notice or obligation, and are guaranteed only within the amateur bands.*



| REF. | YAESU P/N | Description                | Qty. |
|------|-----------|----------------------------|------|
| ①    | U31306007 | OVAL HEAD SCREW M3X6B      | 8    |
| ②    | U24206001 | BIND HEAD TAPTITE-B M2.6X6 | 12   |
| ③    | U31206007 | OVAL HEAD SCREW M2.6X6B    | 4    |
| ④    | U31415007 | OVAL HEAD SCREW M4X15B     | 2    |

Non-designated parts are available only as prst of a designated assembly.

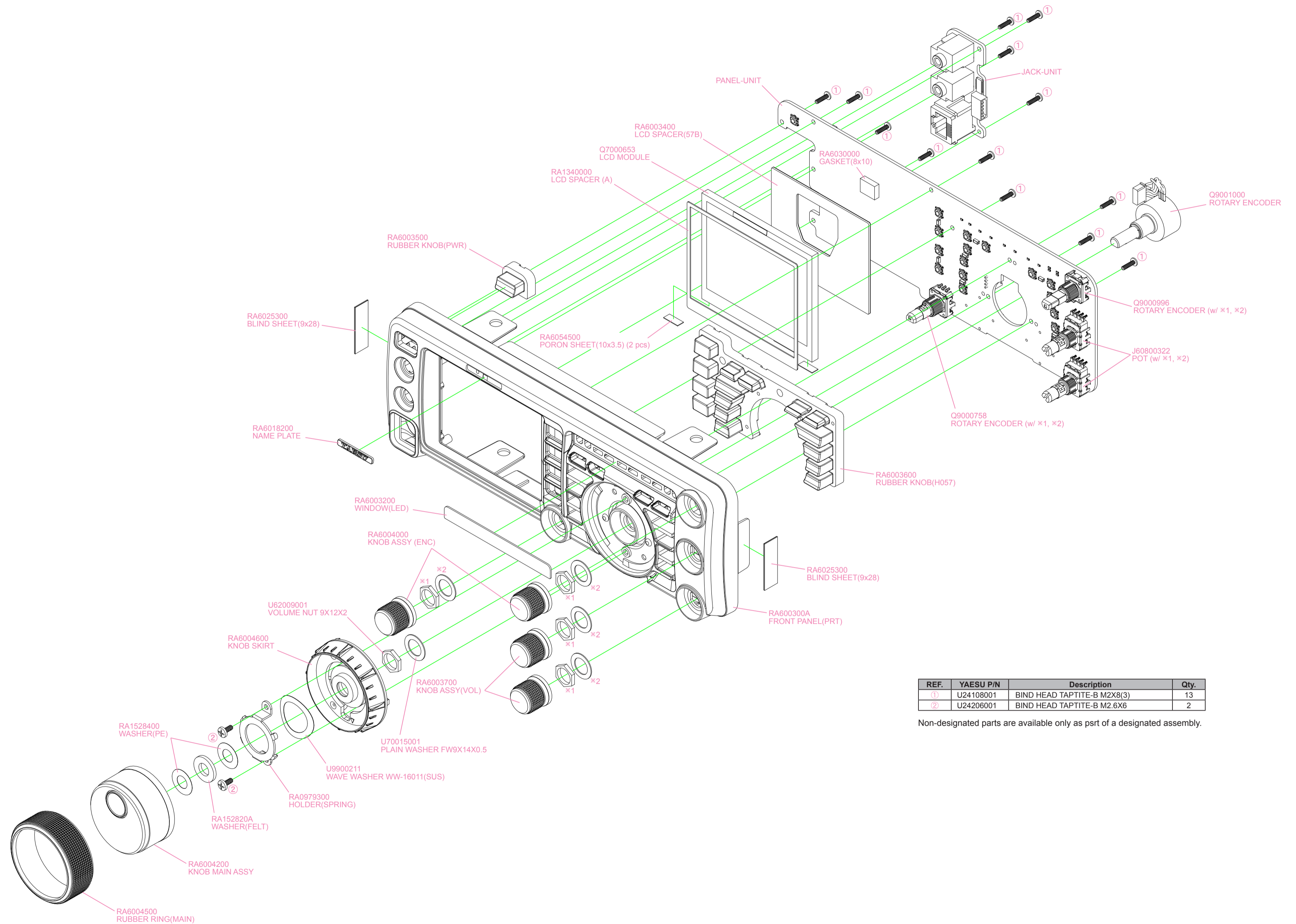
EXPLODED VIEW-1



| REF. | YAESU P/N | Description              | Qty. |
|------|-----------|--------------------------|------|
| ①    | U31306007 | OVAL HEAD SCREW M3X6B    | 9    |
| ②    | U20406007 | BINDING HEAD SCREW M4X6B | 2    |
| ③    | U30305002 | FLAT HEAD SCREW M3X5NI   | 4    |

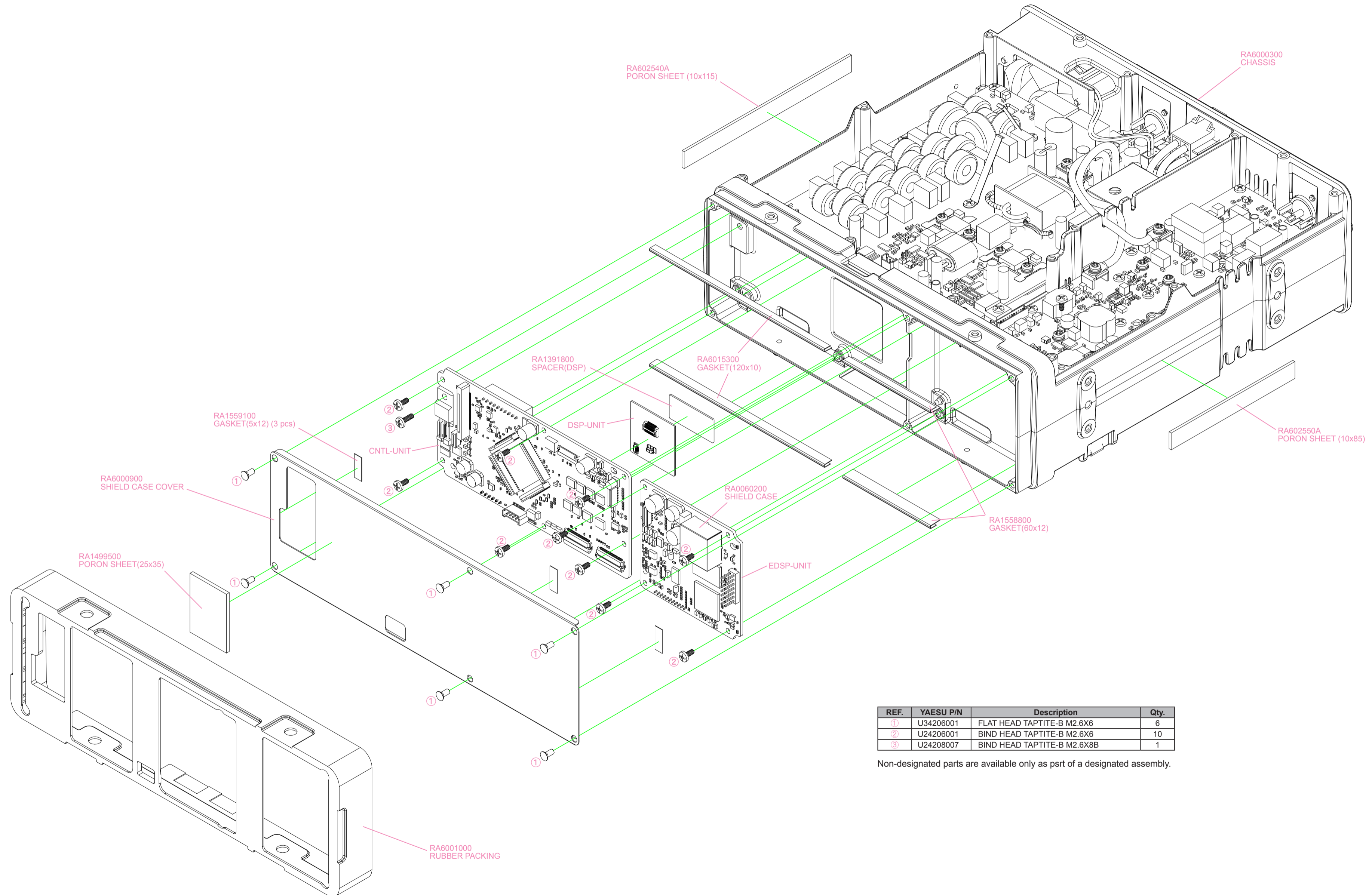
Non-designated parts are available only as prst of a designated assembly.





| REF. | YAESU P/N | Description                 | Qty. |
|------|-----------|-----------------------------|------|
| ①    | U24108001 | BIND HEAD TAPTITE-B M2X8(3) | 13   |
| ②    | U24206001 | BIND HEAD TAPTITE-B M2.6X6  | 2    |

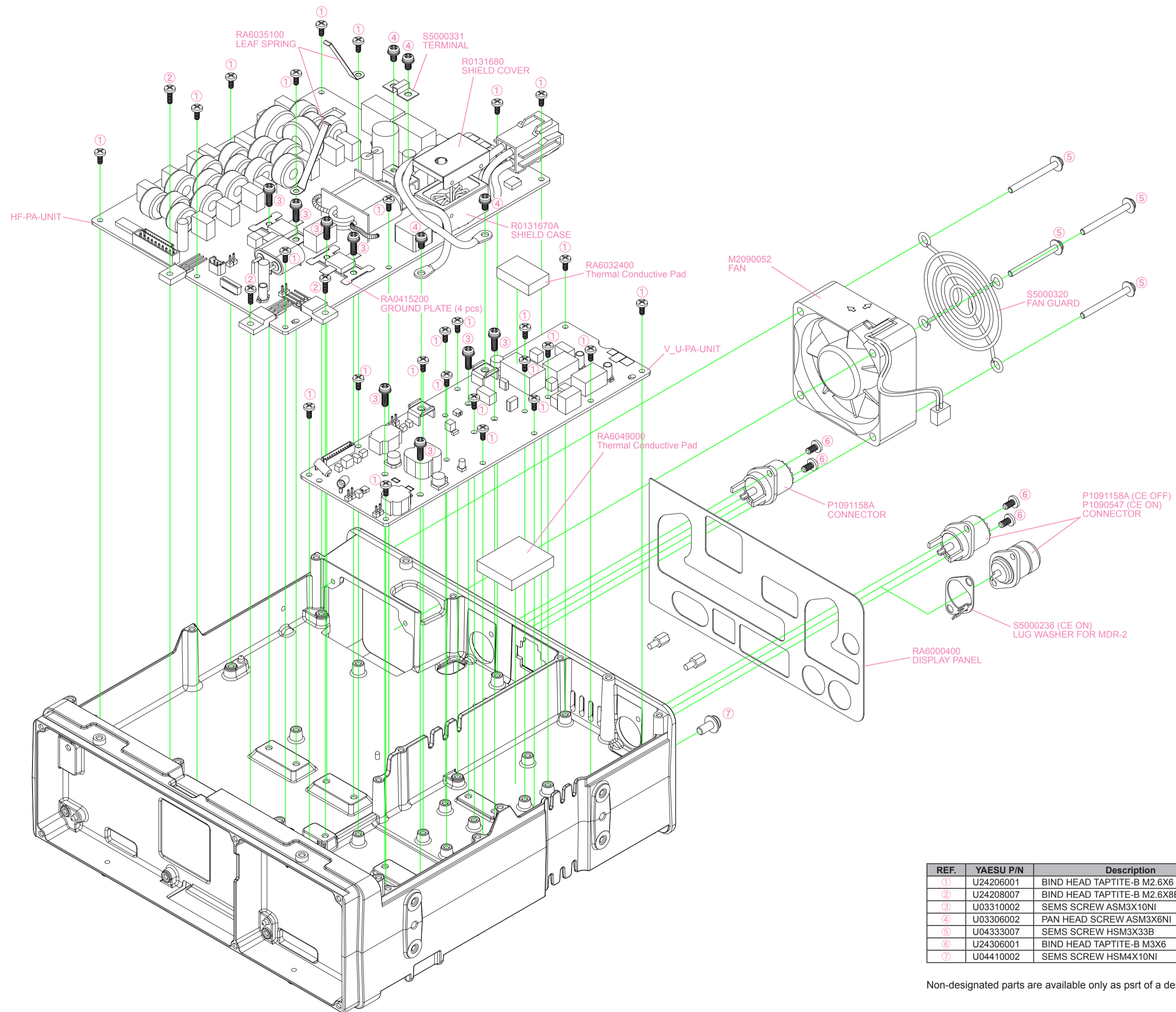
Non-designated parts are available only as prst of a designated assembly.



| REF. | YAESU P/N | Description                 | Qty. |
|------|-----------|-----------------------------|------|
| ①    | U34206001 | FLAT HEAD TAPTITE-B M2.6X6  | 6    |
| ②    | U24206001 | BIND HEAD TAPTITE-B M2.6X6  | 10   |
| ③    | U24208007 | BIND HEAD TAPTITE-B M2.6X8B | 1    |

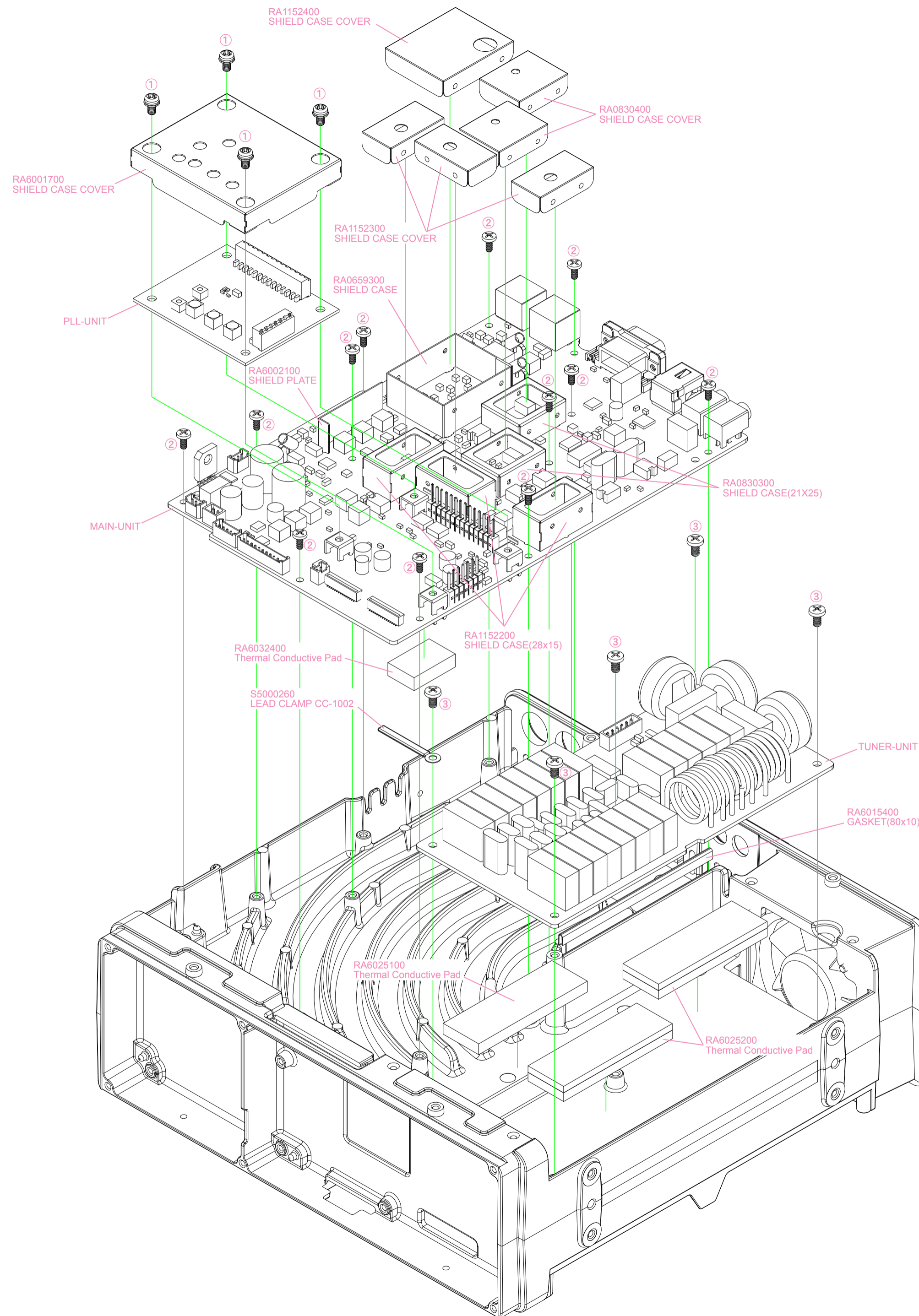
Non-designated parts are available only as prst of a designated assembly.





| REF. | YAESU P/N | Description                 | Qty. |
|------|-----------|-----------------------------|------|
| ①    | U24206001 | BIND HEAD TAPTITE-B M2.6X6  | 26   |
| ②    | U24208007 | BIND HEAD TAPTITE-B M2.6X8B | 3    |
| ③    | U03310002 | SEMS SCREW ASM3X10NI        | 8    |
| ④    | U03306002 | PAN HEAD SCREW ASM3X6NI     | 4    |
| ⑤    | U04333007 | SEMS SCREW HSM3X33B         | 4    |
| ⑥    | U24306001 | BIND HEAD TAPTITE-B M3X6    | 4    |
| ⑦    | U04410002 | SEMS SCREW HSM4X10NI        | 1    |

Non-designated parts are available only as part of a designated assembly.

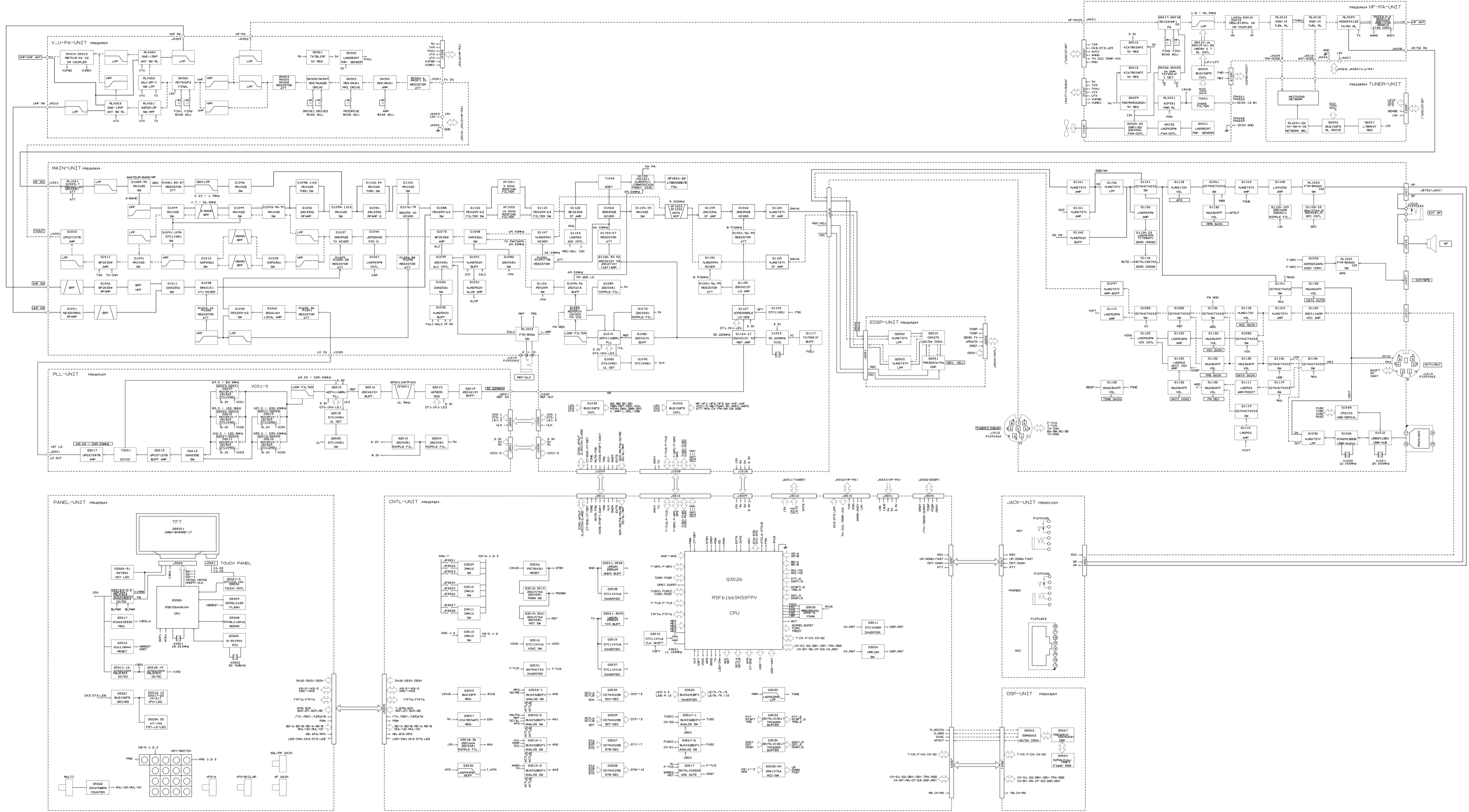


| REF. | YAESU P/N | Description                | Qty. |
|------|-----------|----------------------------|------|
| ①    | U03306002 | PAN HEAD SCREW ASM3X6NI    | 4    |
| ②    | U24206001 | BIND HEAD TAPTITE-B M2.6X6 | 12   |
| ③    | U24306001 | BIND HEAD TAPTITE-B M3X6   | 5    |

Non-designated parts are available only as part of a designated assembly.



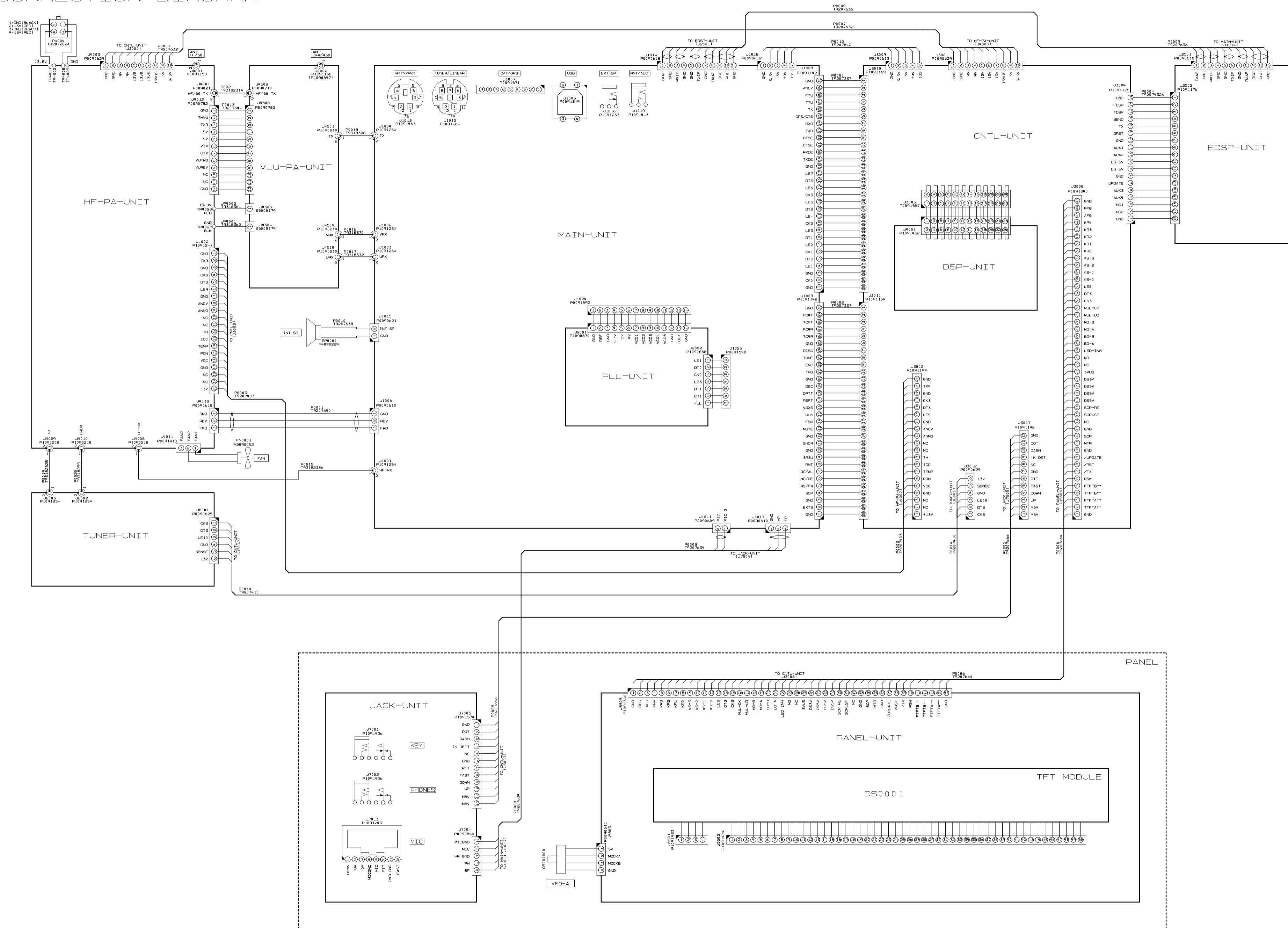
# FT-991 BLOCK-DIAGRAM



BLOCK DIAGRAM-1



CONNECTION DIAGRAM



CONNECTION DIAGRAM-1

## Introduction and Precautions

The following procedures cover adjustments that are not normally required once the transceiver has left the factory. However, if a problem occurs during normal operation due to component failure; realignment may be required after the faulty components have been replaced.

We recommend that authorized Yaesu Technicians, who are experienced with the circuitry and fully equipped to repair and align our products, perform repairs. If a fault is suspected, contact the selling dealer for instructions regarding repair. Authorized Yaesu Technicians have the latest information to align all circuits and make complete performance checks to ensure compliance with factory specifications after repairs.

Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy.

Yaesu must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners.

Under no circumstances should any alignment be attempted unless the normal functions and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly identified and all faulty components replaced. The need for realignment should be determined to be absolutely necessary.

The following test equipment (and a thorough familiarity with its correct use) is necessary for correct realignment. Most steps do not require all of the equipment listed. The interactions of some adjustments may require that more complex adjustments be performed in a sequence. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order they are presented.

### Important Notice

Do not adjust the alignment menus that are not mentioned in this manual.

## Required Test Equipment

- RF Signal Generator
- AF Signal Generator
- Spectrum Analyzer good to at least 1 GHz.
- Frequency Counter
- SINAD Meter
- RF Millivoltmeter
- Electronic Load
- Digital DC Voltmeter (high-Z, 1 M-Ohm/V)
- DC Voltmeter
- DC Ammeter (23 A)
- Ohmmeter
- 50-Ohm Dummy Load (100/200 watts)
- In-Line Wattmeter (150/300 watts, 50-Ohm)
- Linear Detector
- RF Coupler
- 4-Ohm AF Dummy Load (3 watts)
- 1/4-inch 3-contact Plug

## Alignment Preparation & Precautions

A 50-ohm RF Dummy load and in-line wattmeter must be connected to the ANT jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna.

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the unneeded test equipment before proceeding. (except the dummy load and wattmeter).

Correct alignment requires that the ambient temperature be maintained constant between 68 °F ~ 86 °F (20 °C ~ 30 °C). When the transceiver is brought into the shop from a hot or cold environment, it should be allowed time to come to room temperature before alignment. Also, the test equipment must be thoroughly warmed up before beginning.

Whenever possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place.

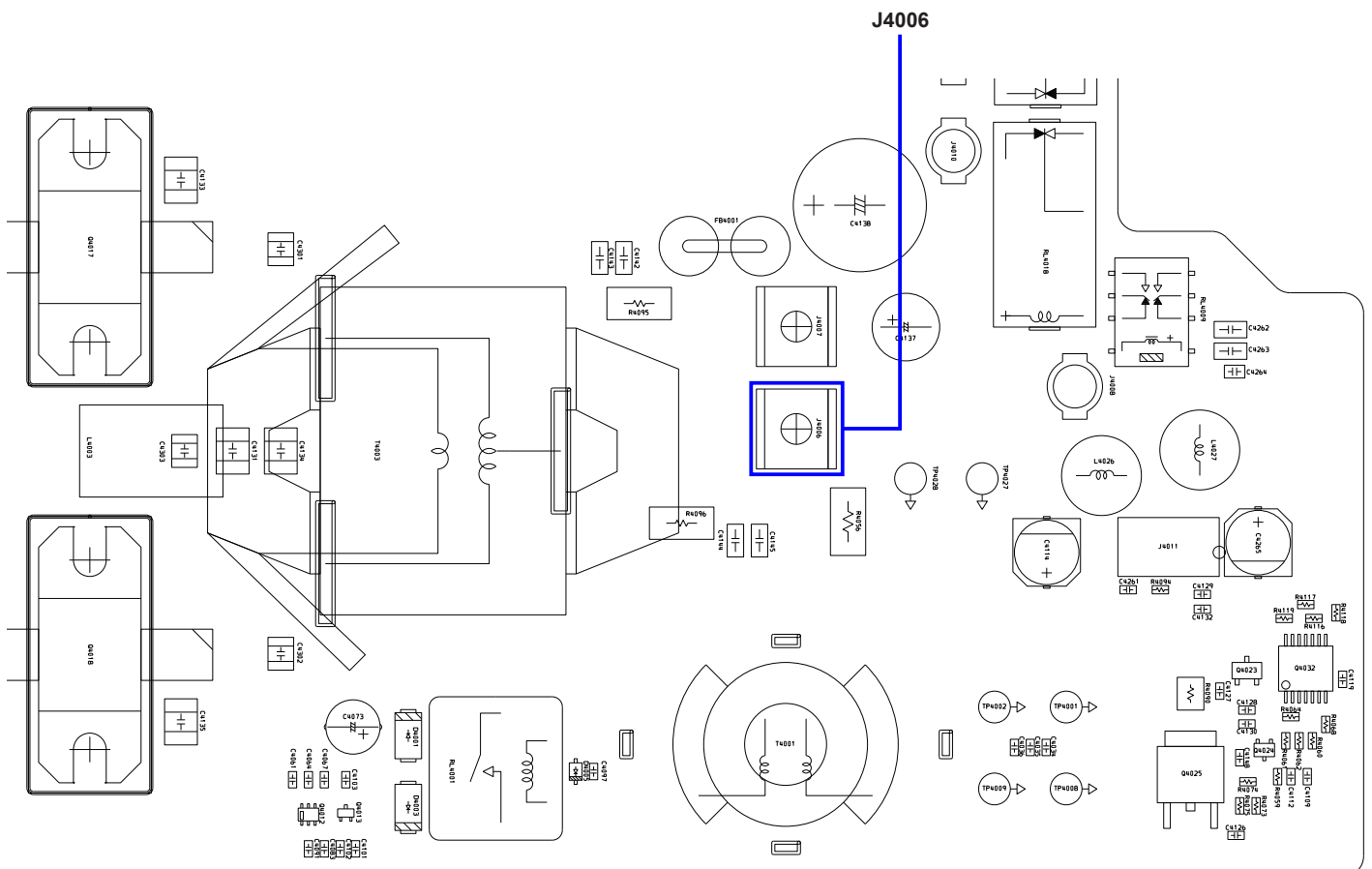
**Note:** Signal levels in dB referred to in this procedure are based on 0 dB $\mu$  = 0.5  $\mu$ V (closed circuit).

## VDD Meter Adjustment

- ❑ Connect the DC voltmeter to J4006 on the HF-PA-Unit.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] dial knob to select the alignment menu item "01-01 VDD MTR".
- ❑ Press the [F(M-LIST)] key, then rotate the [CLAR/VFO-B] knob so the VDD meter reading is the same as the reading on the DC voltmeter (13.8 V).
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## COMP Meter Adjustment

- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "22-02 COMP MTR 10dB", then rotate the [CLAR/VFO-B] knob for "10 dB" on the COMP meter.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "22-03 COMP MTR 20dB", then rotate the [CLAR/VFO-B] knob for "20 dB" on the COMP meter.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "22-04 COMP MTR 30dB", then rotate the [CLAR/VFO-B] knob so the COMP meter deflects to full scale.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new settings and exit the alignment mode.

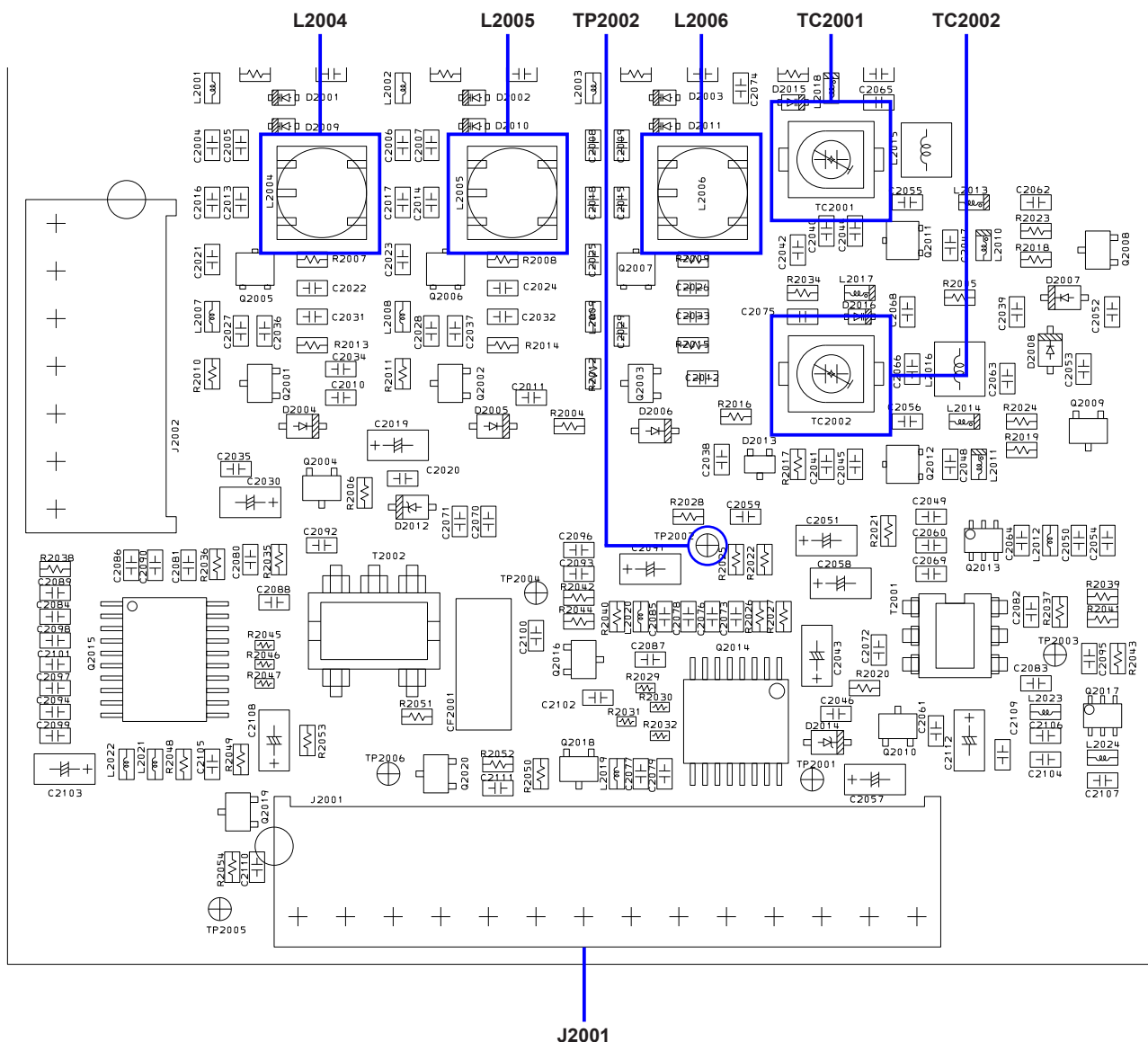


## VCO Adjustment

- ❑ Connect the Digital DC voltmeter (high-Z) to TP2002 on the PLL Unit.
- ❑ Disconnect the coaxial cable from J2001 on the PLL Unit, then connect the RF millivoltmeter to pin 13 of J2001.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Referring to the table below, select the appropriate "Alignment menu item" using the [MULTI] Dial knob per the chart right, and adjust the listed components for the required voltage, or confirm that the correct voltage is present on each alignment menu item.

| Alignment Menu Item   | Adjust / Confirm | DC voltmeter      | RF millivoltmeter |
|-----------------------|------------------|-------------------|-------------------|
| 01-05 VCO1-HIGH (TXI) | Adjust L2004     | 5.1 V $\pm$ 0.1 V | At least 3 dBm    |
| 01-06 VCO1-LOW        | Confirm          | At least 0.3 V    | At least -10 dBm  |
| 01-07 VCO2-HIGH       | Adjust L2005     | 5.1 V $\pm$ 0.1 V | At least -10 dBm  |
| 01-08 VCO2-LOW        | Confirm          | At least 0.6 V    | At least -10 dBm  |
| 01-09 VCO3-HIGH       | Adjust L2006     | 4.1 V $\pm$ 0.1 V | At least -10 dBm  |
| 01-10 VCO3-LOW        | Confirm          | At least 0.4 V    | At least -10 dBm  |
| 01-11 VCO4-HIGH       | Adjust TC2001    | 5.0 V $\pm$ 0.1 V | At least -10 dBm  |
| 01-12 VCO4-LOW        | Confirm          | At least 0.5 V    | At least -10 dBm  |
| 01-13 VCO5-HIGH       | Adjust TC2002    | 5.0 V $\pm$ 0.1 V | At least -10 dBm  |
| 01-14 VCO5-LOW        | Confirm          | At least 0.8 V    | At least -10 dBm  |

- ❑ Disconnect the RF millivoltmeter from J2001, then re-connect the coaxial cable to J2001.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.



## 2nd/3rd Local Oscillator Adjustment

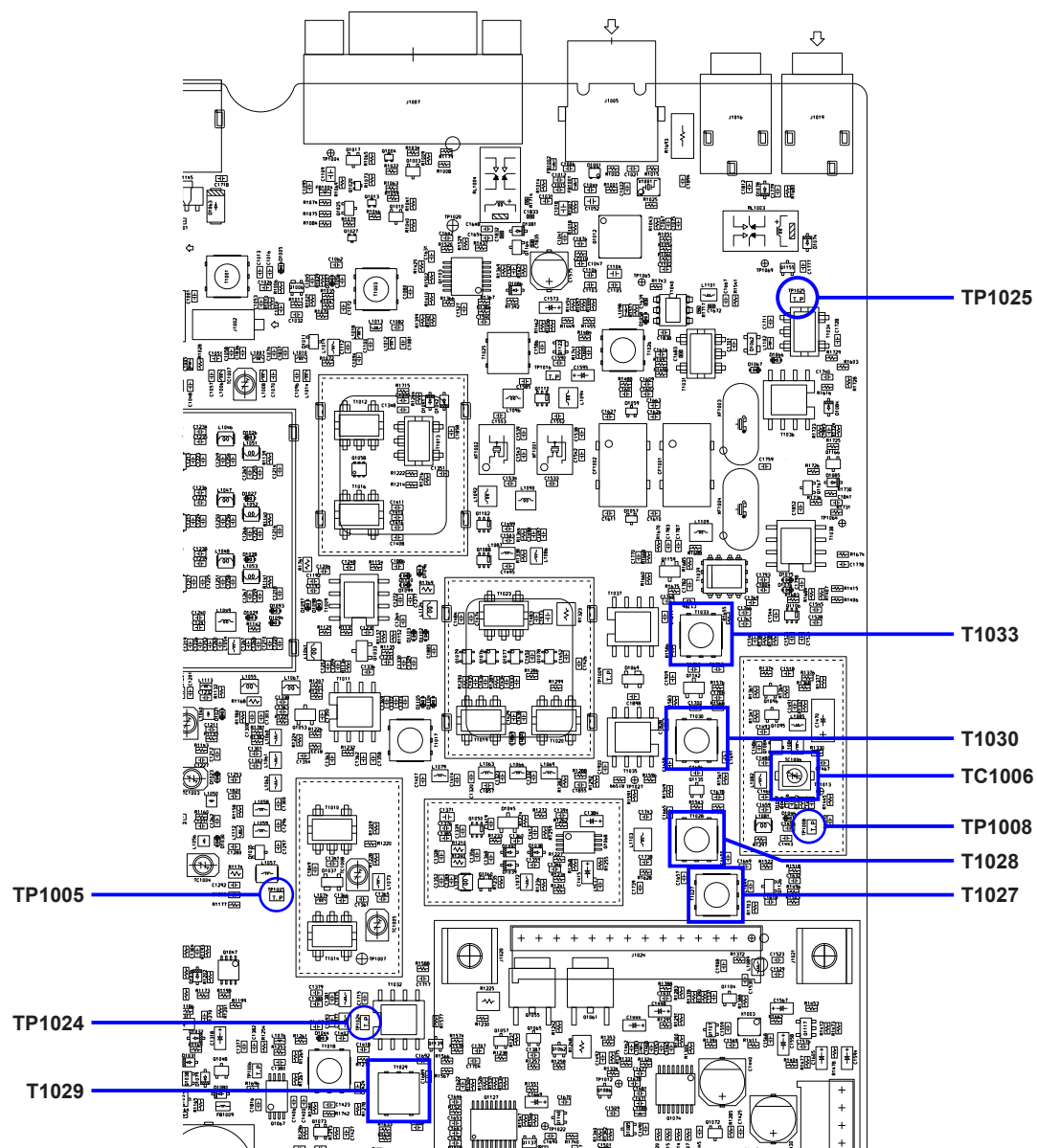
- ❑ Set the VFO-A frequency to 14.200 MHz in the CW-USB mode.
- ❑ Set the following controls as indicated:
  - [IPO] : AMP1
  - [ATT] : OFF
  - [NB] : OFF
  - [AGC] : AUTO
  - [RF GAIN] : Fully clockwise

## 3rd Local Level Adjustment

- ❑ Connect the RF millivoltmeter to TP1024 on the MAIN Unit.
- ❑ Adjust T1029 on the MAIN Unit for maximum deflection on the RF millivoltmeter.

## 2nd Local Level Adjustment

- ❑ Connect the RF millivoltmeter to TP1025 on the MAIN Unit.
- ❑ Adjust T1027, T1028, T1030, and T1033 on the MAIN Unit for maximum deflection on the RF millivoltmeter.



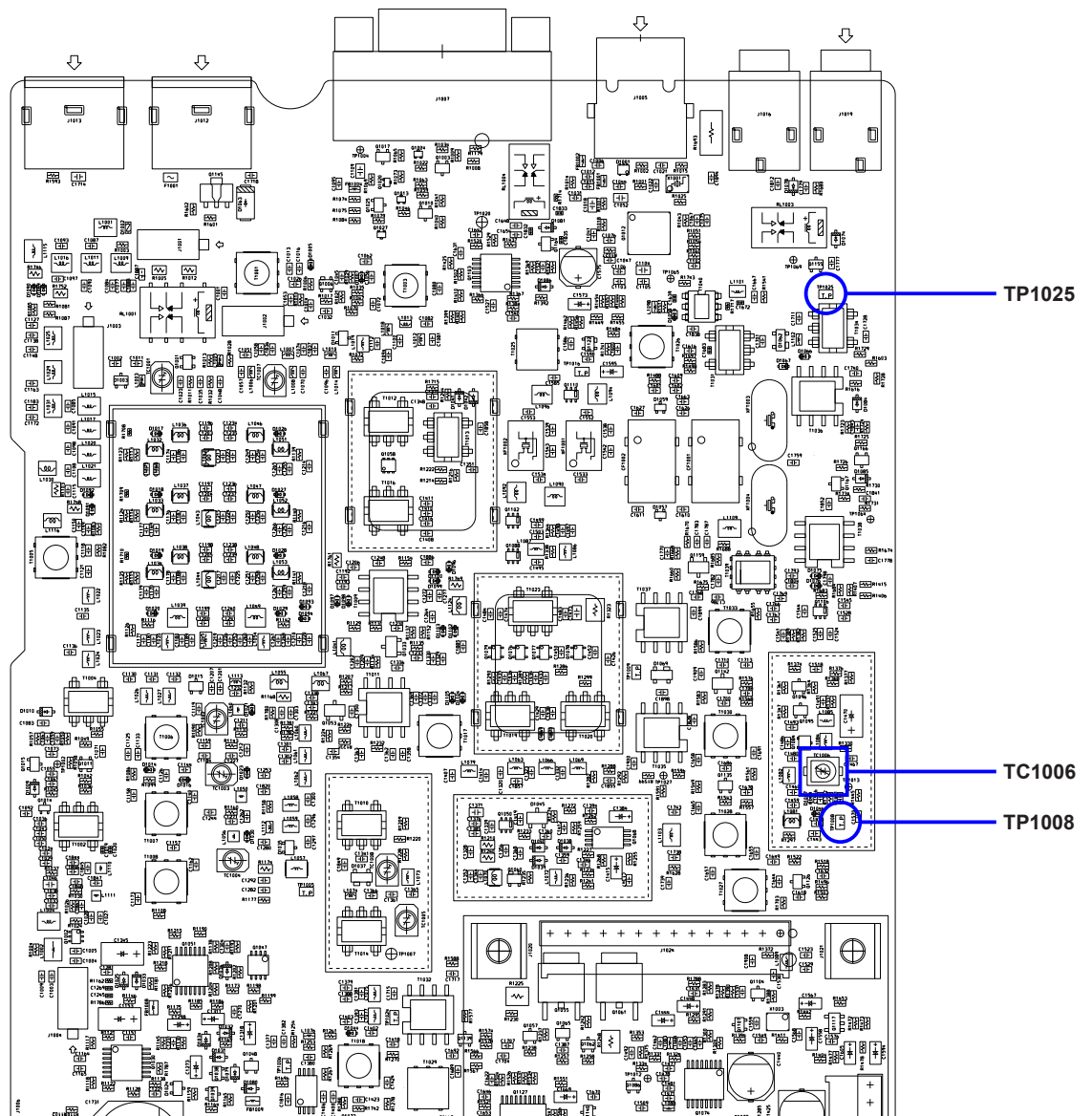


## REF OSC Adjustment

- ❑ Connect the frequency counter to TP1025.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "01-04 REF FREQ".
- ❑ Rotate the [CLAR/VFO-B] knob so that the frequency counter reading is "60.450000 ±4 Hz".
- ❑ Disconnect the frequency counter from TP1025.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## FM Local Oscillator Adjustment

- ❑ Set the FM mode.
- ❑ Connect the Digital DC voltmeter (high-Z) TP1008 on the MAIN Unit.
- ❑ Adjust TC1006 on the MAIN Unit for 3.6 V ±0.1 V on the Digital DC voltmeter.
- ❑ Set the CW mode.

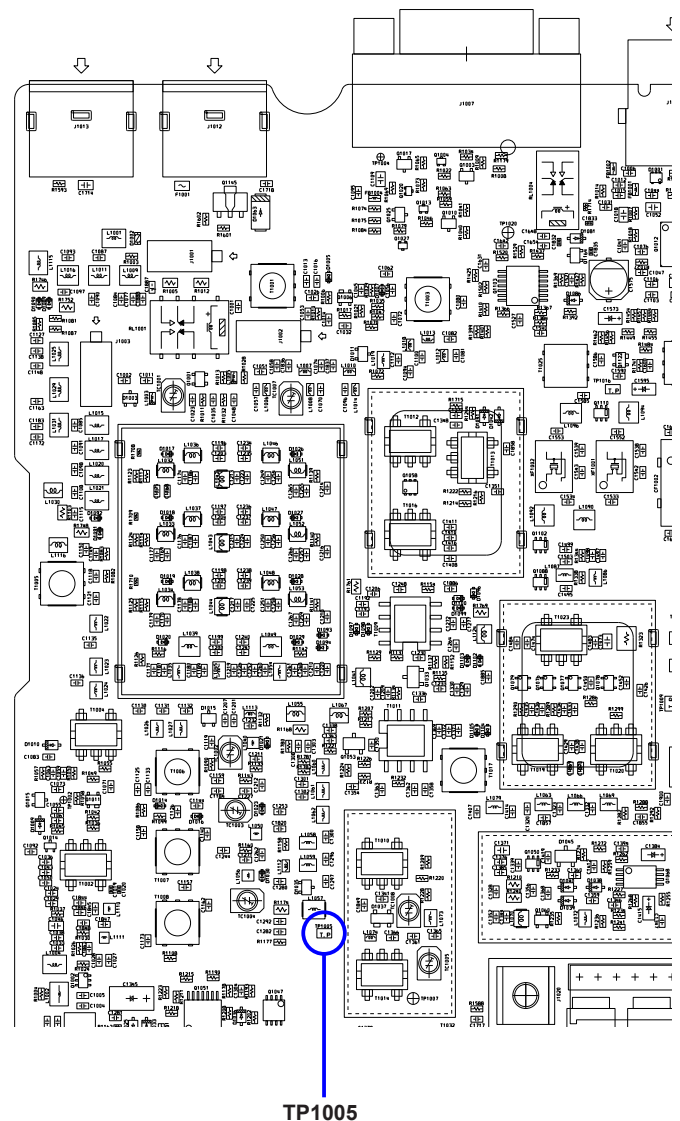


## 1st Local Oscillator Adjustment

- ❑ Connect the RF millivoltmeter to TP1005 on the MAIN Unit.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-01 Local 1.8".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+10 dBm ±1 dBm".
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-02 Local HFL".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+10 dBm ±1 dBm".
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-03 Local HFM".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+10 dBm ±1 dBm".
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-04 Local HFH".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+10 dBm ±1 dBm".
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-05 Local 50".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+11.5 dBm ±0.5 dBm".
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-06 Local 144".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+10 dBm ±1 dBm".
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "02-07 Local 430".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob so that the RF millivoltmeter reading is "+10 dBm ±1 dBm".
- ❑ Release the PTT button.

- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new settings and exit the alignment mode.

| Alignment Menu Item | RF millivoltmeter  |
|---------------------|--------------------|
| 02-01 Local 1.8     | +10 dBm ±1 dBm     |
| 02-02 Local HFL     | +10 dBm ±1 dBm     |
| 02-03 Local HFM     | +10 dBm ±1 dBm     |
| 02-04 Local HFH     | +10 dBm ±1 dBm     |
| 02-05 Local 50      | +11.5 dBm ±0.5 dBm |
| 02-06 Local 144     | +10 dBm ±1 dBm     |
| 02-07 Local 430     | +10 dBm ±1 dBm     |



## MCF Adjustment (1)

- ❑ Set the VFO-A frequency to 145.900 MHz in the CW-USB mode.
- ❑ Set the following controls as indicated:  
[AGC] : AUTO  
[RF GAIN] : Fully clockwise
- ❑ Connect the AF millivoltmeter and 4 Ohm dummy load to the EXT SP jack.
- ❑ Connect the RF Signal Generator to the "144/430 MHz" ANT jack, then set the output level to +0 dB $\mu$  at the 145.900 MHz.
- ❑ Adjust T1001, T1003 and T1025, T1026 on the MAIN Unit in succession several times for maximum deflection on the AF millivoltmeter.

**Note:** If the S-meter deflects while adjusting, reduce the RF Signal Generator output so that the S-meter does not deflect.

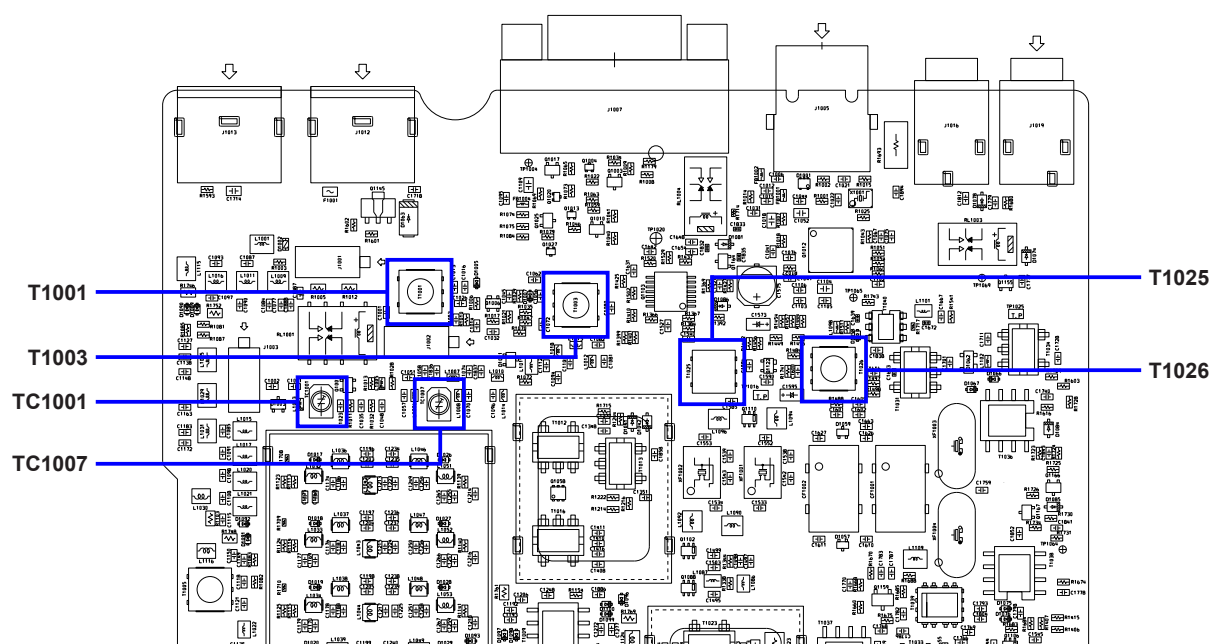
- ❑ Set the FM mode.
- ❑ Connect the SINAD meter and 4 Ohm dummy load to the EXT SP jack.
- ❑ Connect the RF Signal Generator to the "144/430 MHz" ANT jack, then set the output level to -9 dB $\mu$  at the 145.900 MHz with  $\pm 3.5$  kHz deviation FM modulation of a 1 kHz audio signal.
- ❑ Adjust T1025 on the MAIN Unit in succession several times for maximum deflection on the SINAD meter.

**Note:** Do not adjust T1025 more than 180 degrees rotation.

## MCF Adjustment (2)

- ❑ Set the VFO-A frequency to 439.900 MHz in the CW-USB mode.
- ❑ Set the following controls as indicated:  
[AGC] : AUTO  
[RF GAIN] : Fully clockwise
- ❑ Connect the AF millivoltmeter and 4 Ohm dummy load to the EXT SP jack.
- ❑ Connect the RF Signal Generator to the "144/430 MHz" ANT jack, then set the output level to +0 dB $\mu$  at the 439.900 MHz.
- ❑ Adjust TC1001 and TC1007 on the MAIN Unit in succession several times for maximum deflection on the AF millivoltmeter.

**Note:** If the S-meter deflects while adjusting, reduce the RF Signal Generator output so that the S-meter does not deflect.





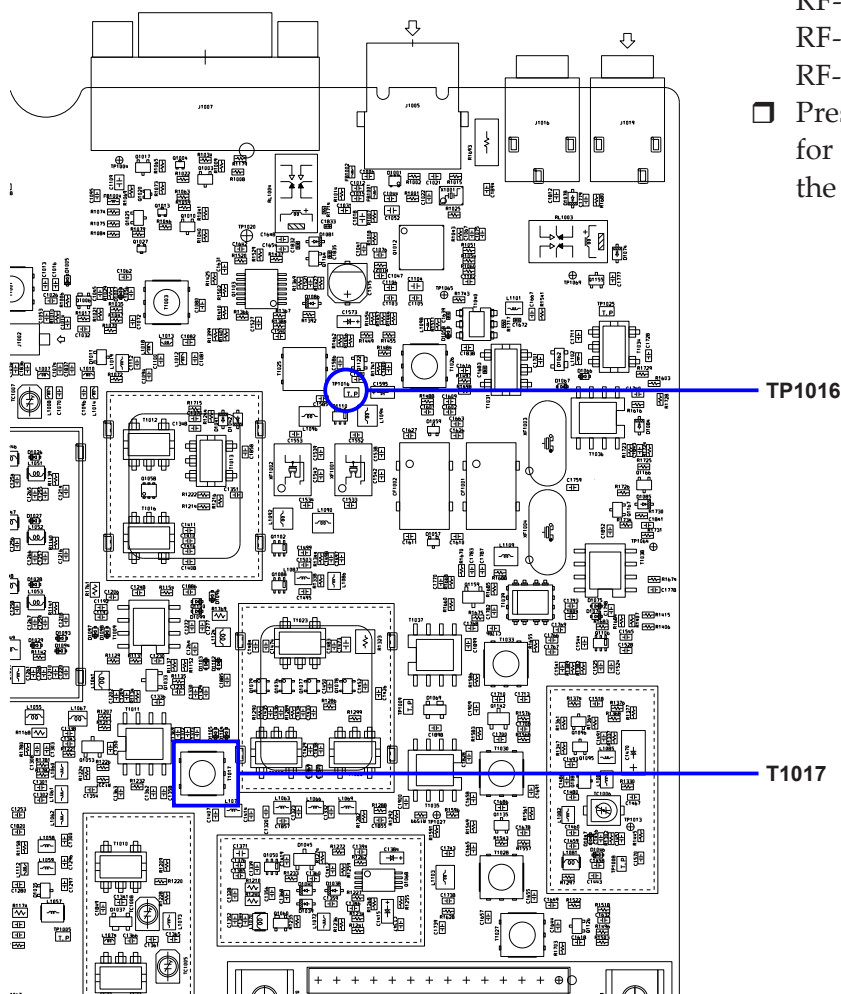
## IF Trap Adjustment

- Set the VFO-A frequency to 51.900 MHz in the CW-USB mode.
- Set the following controls as indicated:  
[IPO] : AMP2  
[ATT] : OFF  
[AGC] : AUTO  
[RF GAIN] : Fully clockwise
- Connect the AF millivoltmeter and 4 Ohm dummy load to the EXT SP jack.
- Connect the RF Signal Generator to the "HF/50 MHz" ANT jack, then set the output level to +40 ~ +80 dB $\mu$  at the 69.450000 MHz.
- Adjust T1017 on the MAIN Unit for minimum deflection on the AF millivoltmeter.

**Note:** If the S-meter deflects while adjusting, reduce the RF Signal Generator output so that the S-meter does not deflect.

## RF AGC Adjustment

- Set the VFO-A frequency to 14.200 MHz in the CW-USB mode.
- Set the following controls as indicated:  
[IPO] : AMP1  
[ATT] : OFF  
[AGC] : AUTO  
[RF GAIN] : Fully clockwise
- Connect the RF Signal Generator to the "HF/50 MHz" ANT jack, then set the output level to +76dB $\mu$  at the 14.200 MHz.
- Connect the Digital DC voltmeter (high-Z) to TP1016 on the MAIN Unit.
- Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- Rotate the [MULTI] Dial knob to select the alignment menu item "03-03 RF-AGC HFM".
- Adjusting the [CLAR/VFO-B] knob so the Digital DC voltmeter reading is "2.6 V  $\pm$ 0.2 V".
- Set to the same parameter of the alignment menu item "03-03 RF-AGC HFM" for the Alignment Menu items "03-01 RF-AGC 1.8", "03-02 RF-AGC HFL", "03-04 RF-AGC HFH", "03-05 RF-AGC 50", "03-06 RF-AGC 144" and "03-07 RF-AGC 430"
- Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.



## IF Gain Adjustment

- ❑ Set the following controls as indicated:  
 [IPO] : AMP1  
 [ATT] : OFF  
 [AGC] : AUTO  
 [RF GAIN] : Fully clockwise
- ❑ Connect the AF millivoltmeter and 4 Ohm dummy load to the EXT SP jack.
- ❑ Connect the RF Signal Generator to the “HF/50 MHz” ANT jack, then set the output level to +36 dB $\mu$  at 1.900 MHz.
- ❑ Set the VFO-A frequency to 1.900 MHz in the USB mode.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Adjust the [AF GAIN] knob so that the AF millivoltmeter reading is “0 dB”.
- ❑ Set the RF Signal Generator output level to +10 dB $\mu$ .
- ❑ Adjust the [CLAR/VFO-B] knob so that the AF millivoltmeter reading is “-1.5  $\pm$  0.5 dB”.
- ❑ Select the appropriate “Alignment menu item” using the [MULTI] Dial knob per the chart below, then set the RF Signal Generator output to each frequency & level, and adjust the [CLAR/VFO-B] knob for the corresponding AF millivoltmeter reading at each frequency.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new settings and exit the alignment mode.

| Alignment menu item | VFO-A Frequency | RF Signal Generator       | Adjust            | AF millivoltmeter       |
|---------------------|-----------------|---------------------------|-------------------|-------------------------|
| 04-01 IGC 1.8       | 1.900 MHz       | 1.900 MHz, +36 dB $\mu$   | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 1.900 MHz, +10 dB $\mu$   | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |
| 04-02 IGC HFL       | 7.100 MHz       | 7.100 MHz, +36 dB $\mu$   | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 7.100 MHz, +10 dB $\mu$   | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |
| 04-03 IGC HFM       | 14.200 MHz      | 14.200 MHz, +36 dB $\mu$  | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 14.200 MHz, +10 dB $\mu$  | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |
| 04-04 IGC HFH       | 21.230 MHz      | 21.230 MHz, +36 dB $\mu$  | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 21.230 MHz, +10 dB $\mu$  | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |
| 04-05 IGC 50        | 51.900 MHz      | 51.900 MHz, +36 dB $\mu$  | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 51.900 MHz, +7 dB $\mu$   | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |
| 04-06 IGC 144       | 145.900 MHz     | 145.900 MHz, +30 dB $\mu$ | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 145.900 MHz, -3 dB $\mu$  | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |
| 04-07 IGC 430       | 439.900 MHz     | 439.900 MHz, +30 dB $\mu$ | [AF GAIN] knob    | 0 dB                    |
|                     |                 | 439.900 MHz, -3dB $\mu$   | [CLAR/VFO-B] knob | -1.5 dB ( $\pm$ 0.5 dB) |

## S-meter Adjustment

- ❑ Set the VFO-A frequency to 14.200 MHz in the USB mode.
- ❑ Set the following controls as indicated:  
[IPO] : AMP1  
[ATT] : OFF  
[AGC] : AUTO  
[RF GAIN] : Fully clockwise
- ❑ Connect the RF Signal Generator to the “HF/50 MHz” ANT jack, then set the frequency to 14.200 MHz.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Refer to the chart below and select the appropriate “Alignment menu item” using the [MULTI] Dial knob. Set the RF Signal Generator output to each level, and adjust the [CLAR/VFO-B] knob for the corresponding S-meter reading. Press the [F(M-LIST)] key to save the new setting at each level.

| Alignment menu item | RF Signal Generator | S-meter  |
|---------------------|---------------------|----------|
| 05-01 S-MTR 0       | OFF                 | S-0      |
| 05-02 S-MTR 1       | +14 dBμ             | S-1      |
| 05-03 S-MTR 5       | +24 dBμ             | S-5      |
| 05-04 S-MTR 7       | +30 dBμ             | S-7      |
| 05-05 S-MTR 9       | +36 dBμ             | S-9      |
| 05-06 S-MTR +10     | +46 dBμ             | S-9+10dB |
| 05-07 S-MTR +20     | +56 dBμ             | S-9+20dB |
| 05-08 S-MTR +30     | +66 dBμ             | S-9+30dB |
| 05-09 S-MTR +40     | +76 dBμ             | S-9+40dB |
| 05-10 S-MTR +50     | +86 dBμ             | S-9+50dB |
| 05-11 S-MTR +60     | +96 dBμ             | S-9+60dB |

- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new settings and exit the alignment mode.

## FIL Gain Adjustment

- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “06-01 R. FIL 3k”.
- ❑ Rotate the [CLAR/VFO-B] knob to set the parameter is “180”.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “06-02 R. FIL 15k”.
- ❑ Rotate the [CLAR/VFO-B] knob to set the parameter is “180”.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new settings and exit the alignment mode.

## S-meter Adjustment (FM)

- ❑ Set the VFO-A frequency to 145.900 MHz in the FM mode.
- ❑ Connect the RF Signal Generator to the “144/430 MHz” ANT jack, then set the output level to 0 dBμ at the 145.900 MHz with ±3.5 kHz deviation FM modulation of a 1 kHz audio signal.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “07-01 FM S1”.
- ❑ Rotate the [CLAR/VFO-B] knob so that the S-meter reading is “S-1”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Set the RF Signal Generator to +20 dBμ.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “07-02 FM S9”.
- ❑ Rotate the [CLAR/VFO-B] knob so that the S-meter reading is “S-9”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Set the RF Signal Generator to +40 dBμ.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “07-03 FM S60”.
- ❑ Rotate the [CLAR/VFO-B] knob so that the S-meter reading is “S-9+60”.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## FM Squelch Adjustment

- ❑ Set the VFO-A frequency to 145.900 MHz in the FM-WIDE mode.
- ❑ Connect the RF Signal Generator to the “144/430 MHz” ANT jack, then set the output level to -14 dB $\mu$  at the 145.900 MHz with  $\pm 3.5$  kHz deviation FM modulation of a 1 kHz audio signal.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “08-01 FM SQL THW”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.
- ❑ Set the FM-NARROW mode.
- ❑ Set the RF Signal Generator output level to -14 dB $\mu$  at the 145.900 MHz with  $\pm 1.75$  kHz deviation FM modulation of a 1 kHz audio signal.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “08-02 FM SQL THN”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.
- ❑ Set the FM-WIDE mode.
- ❑ Set the RF Signal Generator output level to +3 dB $\mu$  at the 145.900 MHz with  $\pm 3.5$  kHz deviation FM modulation of a 1 kHz audio signal.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “08-03 FM SQL TI”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## FM Center Stop Adjustment

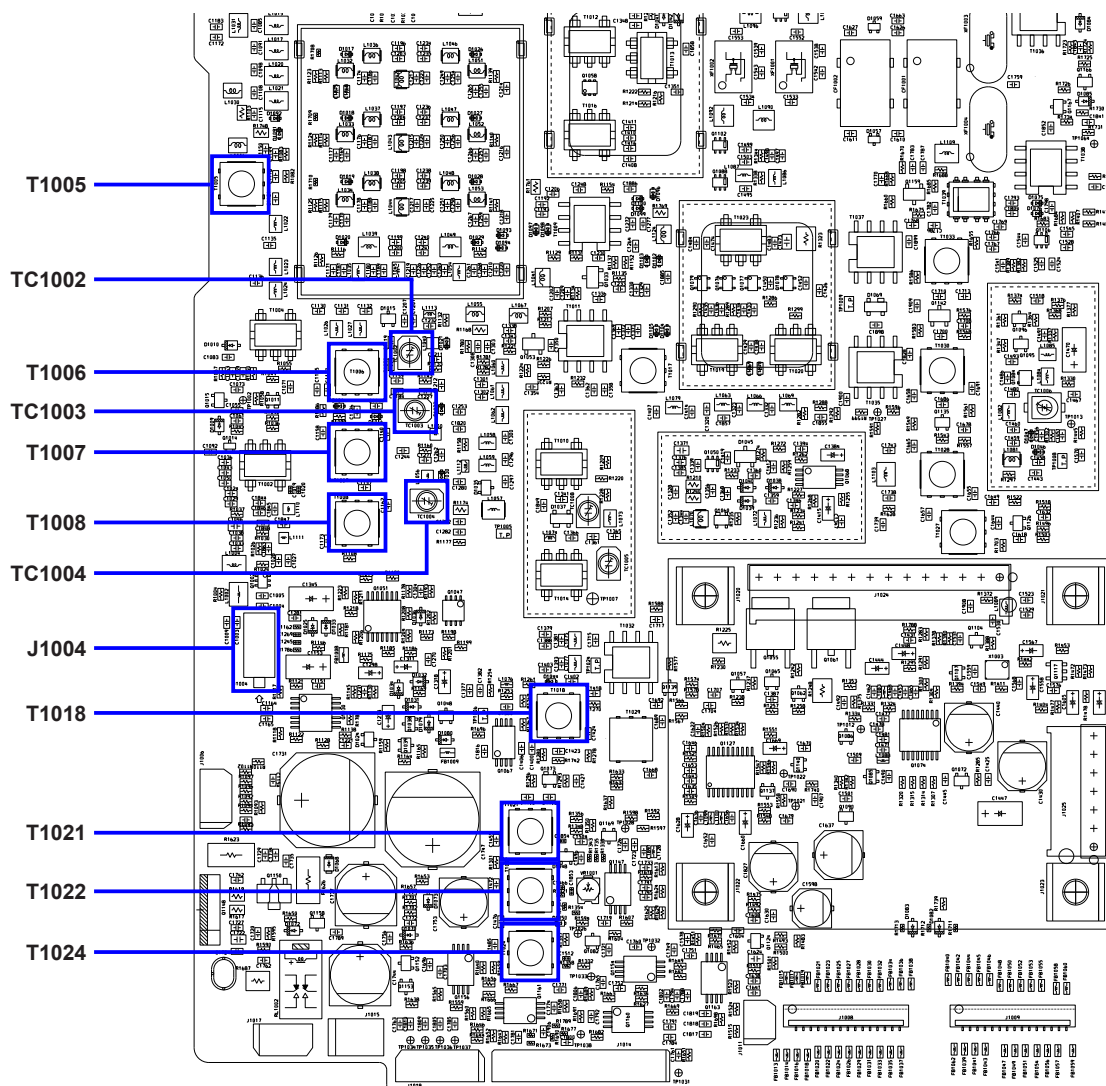
- ❑ Set the VFO-A frequency to 145.900 MHz in the FM-WIDE mode.
- ❑ Connect the RF Signal Generator to the “144/430 MHz” ANT jack, then set the output level to +10 dB $\mu$  at the 145.900 MHz.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “09-01 FM CTR-L”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Set the RF Signal Generator to 145.903 MHz.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item “09-02 FM CTR-H”.
- ❑ Press the [F(M-LIST)] button to save the new setting.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## Transmitter Adjustment

### TX IFT Adjustment

- ❑ Disconnect the coaxial cable from J1004 on the MAIN Unit, then connect the RF millivoltmeter to J1004.
- ❑ Set the VFO-A frequency to 14.200 MHz in the CW-USB mode.
- ❑ Set the TX Power to 100 W.
- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Press the PTT button, adjust T1024, T1022, T1021 and T1018 for maximum deflection on the RF millivoltmeter.
- ❑ Release the PTT button.
- ❑ Set the VFO-A frequency to 145.900 MHz in the FM mode.
- ❑ Press the PTT button, adjust T1008, T1007 and T1006 for maximum deflection on the RF millivoltmeter.

- ❑ Release the PTT button.
- ❑ Set the VFO-A frequency to 439.900 MHz in the FM mode.
- ❑ Press the PTT button, adjust TC1004, TC1003 and TC1002 for maximum deflection on the RF millivoltmeter.
- ❑ Release the PTT button.
- ❑ Disconnect the RF millivoltmeter from J1004 on the MAIN Unit, then connect the Spectrum Analyzer to J1004.
- ❑ Set the VFO-A frequency to 52.000 MHz in the CW-USB mode.
- ❑ Press the PTT button, adjust T1005 on the spurious (69.450 MHz) for minimum deflection on the Spectrum Analyzer.
- ❑ Release the PTT button.
- ❑ Disconnect the Spectrum Analyzer from J1004, then re-connect the coaxial cable to J1004.





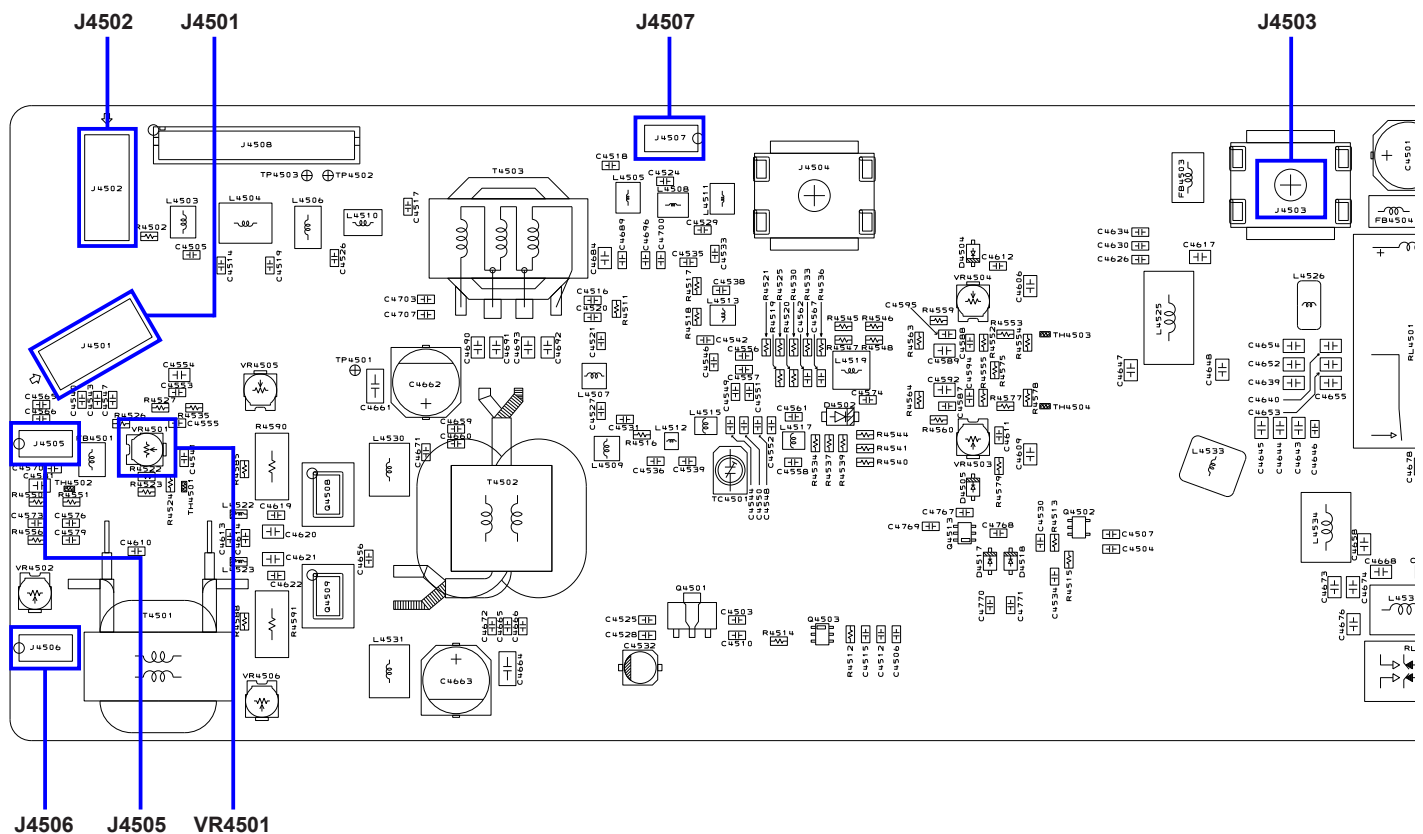
## V-U PA Unit Adjustment

### Preparation

- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "144/430 MHz" ANT jack.
- ❑ Disconnect the coaxial cables from J4501 and J4502 on the V\_U-PA Unit, then terminate J4501 and J4502, each with a 50-Ohm resistor.
- ❑ Disconnect the jumper plugs from J4505, J4506 and J4507 on the V\_U-PA Unit.
- ❑ Disconnect the red cable from J4503 on the V\_U-PA Unit.

### Pre-Drive Stage Idling Current Adjustment

- ❑ Connect the DC ammeter to J4505 on the V\_U-PA Unit.
- ❑ Press and hold the PTT button, while adjust VR4501 so the DC ammeter reading is "40 mA ( $\pm 5$  mA)".
- ❑ Release the PTT button.
- ❑ Disconnect the DC ammeter from J4505.



## Drive Stage Idling Current Adjustment

- ❑ Connect the DC ammeter to J4506 on the V<sub>-</sub> U-PA Unit.
- ❑ Press and hold the PTT button, while adjust VR4502 so the DC ammeter reading is “100 mA (±10 mA)”.
- ❑ Release the PTT button.
- ❑ Disconnect the DC ammeter from J4506.
- ❑ Re-connect the red cable to J4503 on the V<sub>-</sub> U-PA Unit.

## Semi-Final Stage Idling Current Adjustment

- ❑ Connect the DC ammeter to J4507 on the V<sub>-</sub> U-PA Unit.
- ❑ Press and hold the PTT button, while adjust VR4505 so the DC ammeter reading is “600 mA (±50 mA)”.
- ❑ Adjust VR4506 so the DC ammeter reading is “1.2 A (±0.1 A)”.
- ❑ Release the PTT button.
- ❑ Disconnect the DC ammeter from J4507.

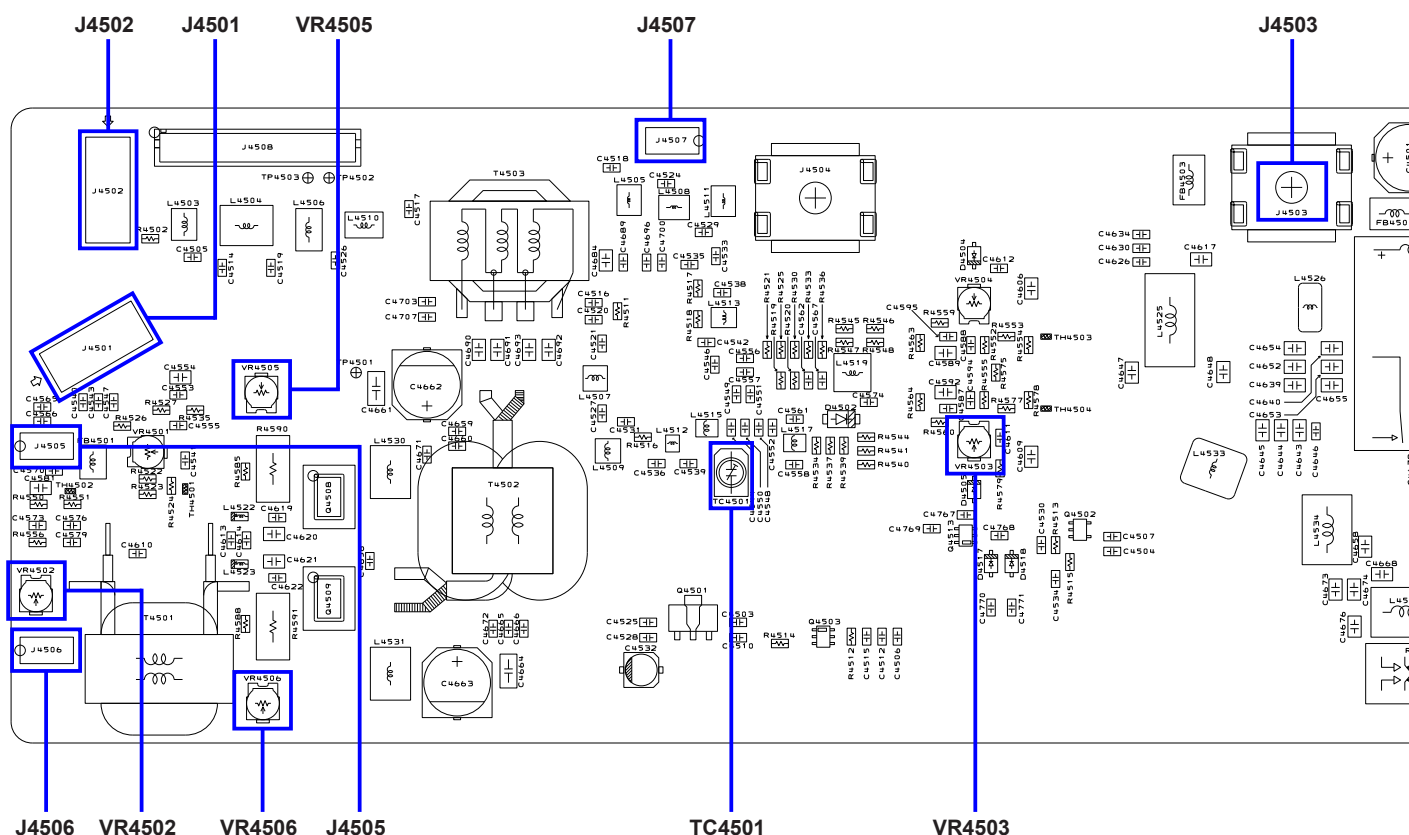
## Final Stage Idling Current Adjustment

- ❑ Disconnect the red cable from J4503 on the V<sub>-</sub> U-PA Unit.
- ❑ Connect the DC ammeter between J4503 and red cable.

- ❑ Press and hold the PTT button, while adjust VR4503 so the DC ammeter reading is “800 mA (±50 mA)”.
- ❑ Release the PTT button.
- ❑ Disconnect the DC ammeter from J4503 and red cable, then connect the red cable to J4503.
- ❑ Disconnect the 50-Ohm resistors from J4501 and J4502, then connect the coaxial cables to J4501 and J4502.
- ❑ Re-connect the jumper plugs to J4505, J4506 and J4507.

## V<sub>-</sub>U-PA Unit TX Adjustment

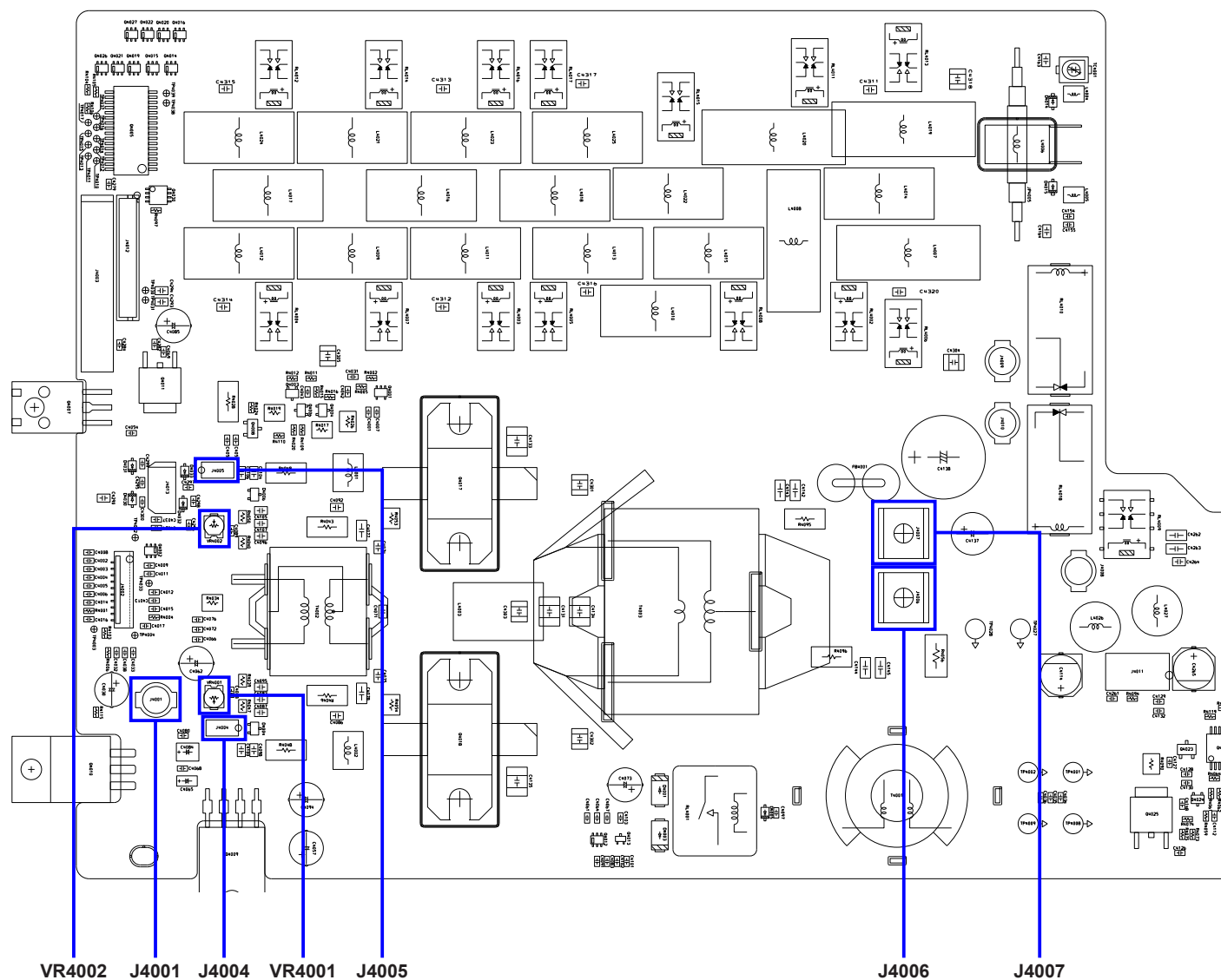
- ❑ Set the VFO-A frequency to 439.990 MHz in the USB mode.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the “144/430 MHz” ANT jack.
- ❑ Connect the Audio Generator to pin 8 of the MIC jack (pin 7: GND), then set the output level to 0.5 mV @1 kHz.
- ❑ Press the PTT button, then adjust the MIC gain to set the RF Power output to 25 W on the Wattmeter.
- ❑ Press the PTT button, adjust TC4501 for maximum deflection on the Wattmeter.
- ❑ Release the PTT button.



## HF PA Unit Adjustment

### Preparation

- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- ❑ Disconnect the coaxial cables from J4001 on the HF-PA Unit, then terminate J4001 with a 50-Ohm resistor.
- ❑ Connect the DC ammeter between J4006 and J4007.
- ❑ Disconnect the jumper plugs from J4004 and J4005 on the HF-PA Unit.
- ❑ Re-connect the jumper plugs to J4004.
- ❑ Press and hold the PTT button, while adjust VR4001 so the DC ammeter reading is "1.5 A ( $\pm 0.1$  A)".
- ❑ Release the PTT button.
- ❑ Disconnect the jumper plugs from J4004.
- ❑ Re-connect the jumper plugs to J4005.
- ❑ Press and hold the PTT button, while adjust VR4002 so the DC ammeter reading is "1.5 A ( $\pm 0.1$  A)".
- ❑ Release the PTT button.
- ❑ Re-connect the jumper plugs to J4004.
- ❑ Disconnect the DC ammeter from J4006 and 4007.
- ❑ Disconnect the 50-Ohm resistors from J4001 , then connect the coaxial cable to J4001.







## Current ALC Adjustment

*If the Main Firmware version of your transceiver is "V10-13 or later", see next section.*

- Connect the Microphone to the front panel MIC jack.
- Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-01 I-ALC 1.8" for the 1.8 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 1.90 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "33".
- Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "5" in-crease.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-02 I-ALC HFL" for the 7 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 7.10 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "39".
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-03 I-ALC HFM" for the 14 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 14.20 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "37".
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-04 I-ALC HFH" for the 21 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 21.240 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "37".
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-05 I-ALC 50" for the 50 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 51.90 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "33".
- Release the PTT button.
- Connect the 50-Ohm Dummy Load and Wattmeter to the "144/430 MHz" ANT jack.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-06 I-ALC 144" for the 144 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 145.90 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "29".
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item "10-07 I-ALC 430" for the 430 MHz amateur band's ALC Adjustment.
- Set the VFO-A frequency to 439.90 MHz in the CW mode.
- Press the PTT button, then adjust the [CLAR/VFO-B] knob to set the parameter is "31".
- Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

*If the Main Firmware version of your transceiver is "V10-13 or later".*

- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-01 I-ALC 1.8" for the 1.8 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 1.90 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 100 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "10" in-crease.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-02 I-ALC HFL" for the 7 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 7.10 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 100 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "10" in-crease.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-03 I-ALC HFM" for the 14 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 14.20 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 100 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "10" in-crease.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-04 I-ALC HFH" for the 21 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 21.240 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 100 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "10" in-crease.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-05 I-ALC 50" for the 50 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 51.90 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 100 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "10" in-crease.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "144/430 MHz" ANT jack.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-06 I-ALC 144" for the 144 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 145.90 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 50 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "5" in-crease.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "10-07 I-ALC 430" for the 430 MHz amateur band's ALC Adjustment.
- ❑ Set the VFO-A frequency to 439.90 MHz in the CW mode.
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 50 W on the Wattmeter.
- ❑ Release the PTT button, then rotate the [CLAR/VFO-B] knob so that the parameter indication "5" in-crease.
- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## ALC Meter Adjustment

- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- ❑ Set the VFO-A frequency to 14.20 MHz in the CW mode.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "13-03 100W TXG HFM".
- ❑ Rotate the [CLAR/VFO-B] knob to set the parameter is "255".
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "18-01 TX CAR USB".
- ❑ Rotate the [CLAR/VFO-B] knob to set the parameter is "255".
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "13-01 100W FALC HFM".
- ❑ Rotate the [CLAR/VFO-B] knob to set the parameter is "0".
- ❑ Press the PTT button, then adjust the [CLAR/VFO-B] knob for 100 W  $\pm$ 2.5 W on the Wattmeter.
- ❑ Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.
- ❑ Set the USB mode.
- ❑ Set the MIC GAIN to "50".
- ❑ Connect the Audio Generator to pin 8 of the MIC jack (pin 7: GND).
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item "20-01 ALC-MTR".
- ❑ Press the PTT button, then adjust the Audio Generator output level to the position where RF Power output to 88 - 92 W on the Wattmeter.
- ❑ Release the PTT button.
- ❑ Increase the Audio Generator output level by "+10 dB".
- ❑ Press the PTT button, then press the [F(M-LIST)] key while pressing and holding in the PTT button.
- ❑ Release the PTT button.

- ❑ Rotate the [CLAR/VFO-B] knob for maximum deflection on the ALC meter zone (S9 +10 dB), then press the [F(M-LIST)] key, while pressing and holding in the PTT button.
- ❑ Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## TX Output Power/PO Meter/TXG Adjustment

- ❑ Referring to table below, tune the transceiver to each frequency listed.

| BAND         | VFO-A FREQUENCY | MODE   |
|--------------|-----------------|--------|
| 1.8 MHz Band | 1.90 MHz        | CW-USB |
| 7 MHz Band   | 7.10 MHz        | CW-USB |
| 14 MHz Band  | 14.20 MHz       | CW-USB |
| 21 MHz Band  | 21.20 MHz       | CW-USB |
| 50 MHz Band  | 51.90 MHz       | CW-USB |
| 144 MHz Band | 145.900 MHz     | CW-USB |
| 430 MHz Band | 439.900 MHz     | CW-USB |

- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" and "144/430 MHz" ANT jack.
- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "11-01 100W FALC 1.8".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 100 W  $\pm$ 3W on the Wattmeter.
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "11-02 MTR 1.8".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 100 W on the PO meter.
- ❑ Release the PTT button.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "11-03 TXG 1.8".
- ❑ Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for "S9+10dB" on the ALC meter zone.
- ❑ Release the PTT button.
- ❑ Perform the same procedures for the Alignment Menu Items "11-04 50W FALC 1.8" through "11-15 5W TXG 1.8" per the chart at the below.



|         | ALIGNMENT MENU      | OPERATION                    | WATT METER<br>(ADJUST TO) | PO METER<br>(ADJUST TO) | ALC METER ZONE<br>(ADJUST TO) |
|---------|---------------------|------------------------------|---------------------------|-------------------------|-------------------------------|
| 1.9 MHz | 11-01 100W FALC 1.8 | Rotate the [CLAR/VFO-B] knob | 100 W (+3 W / -3 W)       | -                       | -                             |
|         | 11-02 100W MTR 1.8  | Rotate the [CLAR/VFO-B] knob | -                         | 100 W                   | -                             |
|         | 11-03 100W TXG 1.8  | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB (or 205)             |
|         | 11-04 50W FALC 1.8  | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)        | -                       | -                             |
|         | 11-05 50W MTR 1.8   | Rotate the [CLAR/VFO-B] knob | -                         | 50 W                    | -                             |
|         | 11-06 50W TXG 1.8   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB (or 205)             |
|         | 11-07 20W FALC 1.8  | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)        | -                       | -                             |
|         | 11-08 20W MTR 1.8   | Rotate the [CLAR/VFO-B] knob | -                         | 20 W                    | -                             |
|         | 11-09 20W TXG 1.8   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB (or 205)             |
|         | 11-10 10W FALC 1.8  | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)        | -                       | -                             |
|         | 11-11 10W MTR 1.8   | Rotate the [CLAR/VFO-B] knob | -                         | 10 W                    | -                             |
|         | 11-12 10W TXG 1.8   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB (or 205)             |
|         | 11-13 5W FALC 1.8   | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)         | -                       | -                             |
|         | 11-14 5W MTR 1.8    | Rotate the [CLAR/VFO-B] knob | -                         | 5 W                     | -                             |
|         | 11-15 5W TXG 1.8    | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB (or 205)             |

- Perform the same procedures for the Alignment Menu Items “12-01 100W FALC HFL” through “17-12 5W TXG 430” per the chart at the above.

|        | ALIGNMENT MENU      | OPERATION                    | WATT METER<br>(ADJUST TO) | PO METER<br>(ADJUST TO) | ALC METER ZONE<br>(ADJUST TO)              |
|--------|---------------------|------------------------------|---------------------------|-------------------------|--------------------------------------------|
| 7 MHz  | 12-01 100W FALC HFL | Rotate the [CLAR/VFO-B] knob | 100 W (+3 W / -3 W)       | -                       | -                                          |
|        | 12-02 100W MTR HFL  | Rotate the [CLAR/VFO-B] knob | -                         | 100 W                   | -                                          |
|        | 12-03 100W TXG HFL  | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB (or)                              |
|        | 12-04 50W FALC HFL  | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)        | -                       | -                                          |
|        | 12-05 50W MTR HFL   | Rotate the [CLAR/VFO-B] knob | -                         | 50 W                    | -                                          |
|        | 12-06 50W TXG HFL   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 12-07 20W FALC HFL  | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)        | -                       | -                                          |
|        | 12-08 20W MTR HFL   | Rotate the [CLAR/VFO-B] knob | -                         | 20 W                    | -                                          |
|        | 12-09 20W TXG HFL   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 12-10 10W FALC HFL  | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)        | -                       | -                                          |
|        | 12-11 10W MTR HFL   | Rotate the [CLAR/VFO-B] knob | -                         | 10 W                    | -                                          |
|        | 12-12 10W TXG HFL   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 12-13 5W FALC HFL   | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)         | -                       | -                                          |
|        | 12-14 5W MTR HFL    | Rotate the [CLAR/VFO-B] knob | -                         | 5 W                     | -                                          |
|        | 12-15 5W TXG HFL    | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
| 14 MHz | 13-01 100W FALC HFM | Rotate the [CLAR/VFO-B] knob | 100 W (+3 W / -3 W)       | -                       | -                                          |
|        | 13-02 100W MTR HFM  | Rotate the [CLAR/VFO-B] knob | -                         | 100 W                   | -                                          |
|        | 13-03 100W TXG HFM  | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 13-04 50W FALC HFM  | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)        | -                       | -                                          |
|        | 13-05 50W MTR HFM   | Rotate the [CLAR/VFO-B] knob | -                         | 50 W                    | -                                          |
|        | 13-06 50W TXG HFM   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 13-07 20W FALC HFM  | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)        | -                       | -                                          |
|        | 13-08 20W MTR HFM   | Rotate the [CLAR/VFO-B] knob | -                         | 20 W                    | -                                          |
|        | 13-09 20W TXG HFM   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 13-10 10W FALC HFM  | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)        | -                       | -                                          |
|        | 13-11 10W MTR HFM   | Rotate the [CLAR/VFO-B] knob | -                         | 10 W                    | -                                          |
|        | 13-12 10W TXG HFM   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
|        | 13-13 5W FALC HFM   | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)         | -                       | -                                          |
|        | 13-14 5W MTR HFM    | Rotate the [CLAR/VFO-B] knob | -                         | 5 W                     | -                                          |
|        | 13-15 5W TXG HFM    | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB                                   |
| 21 MHz | 14-01 100W FALC HFH | Rotate the [CLAR/VFO-B] knob | 100 W (+3 W / -3 W)       | -                       | -                                          |
|        | 14-02 100W MTR HFH  | Rotate the [CLAR/VFO-B] knob | -                         | 100 W                   | -                                          |
|        | 14-03 100W TXG HFH  | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB +2*<br>or<br>S9 + more than 1 dot |
|        | 14-04 50W FALC HFH  | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)        | -                       | -                                          |
|        | 14-05 50W MTR HFH   | Rotate the [CLAR/VFO-B] knob | -                         | 50 W                    | -                                          |
|        | 14-06 50W TXG HFH   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB +3*                               |
|        | 14-07 20W FALC HFH  | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)        | -                       | -                                          |
|        | 14-08 20W MTR HFH   | Rotate the [CLAR/VFO-B] knob | -                         | 20 W                    | -                                          |
|        | 14-09 20W TXG HFH   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB +2*                               |
|        | 14-10 10W FALC HFH  | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)        | -                       | -                                          |
|        | 14-11 10W MTR HFH   | Rotate the [CLAR/VFO-B] knob | -                         | 10 W                    | -                                          |
|        | 14-12 10W TXG HFH   | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB +2*                               |
|        | 14-13 5W FALC HFH   | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)         | -                       | -                                          |
|        | 14-14 5W MTR HFH    | Rotate the [CLAR/VFO-B] knob | -                         | 5 W                     | -                                          |
|        | 14-15 5W TXG HFH    | Rotate the [CLAR/VFO-B] knob | -                         | -                       | S9 +10dB +2*                               |

| ALIGNMENT MENU | OPERATION          | WATT METER<br>(ADJUST TO)    | PO METER<br>(ADJUST TO) | ALC METER ZONE<br>(ADJUST TO) |              |
|----------------|--------------------|------------------------------|-------------------------|-------------------------------|--------------|
| 50 MHz         | 15-01 100W FALC 50 | Rotate the [CLAR/VFO-B] knob | 96 W (+1 W / -1 W)      | -                             | -            |
|                | 15-02 100W MTR 50  | Rotate the [CLAR/VFO-B] knob | -                       | 100 W                         | -            |
|                | 15-03 100W TXG 50  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +3* |
|                | 15-04 50W FALC 50  | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)      | -                             | -            |
|                | 15-05 50W MTR 50   | Rotate the [CLAR/VFO-B] knob | -                       | 50 W                          | -            |
|                | 15-06 50W TXG 50   | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +3* |
|                | 15-07 20W FALC 50  | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)      | -                             | -            |
|                | 15-08 20W MTR 50   | Rotate the [CLAR/VFO-B] knob | -                       | 20 W                          | -            |
|                | 15-09 20W TXG 50   | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +3* |
|                | 15-10 10W FALC 50  | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)      | -                             | -            |
|                | 15-11 10W MTR 50   | Rotate the [CLAR/VFO-B] knob | -                       | 10 W                          | -            |
|                | 15-12 10W TXG 50   | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +2* |
|                | 15-13 5W FALC 50   | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)       | -                             | -            |
|                | 15-14 5W MTR 50    | Rotate the [CLAR/VFO-B] knob | -                       | 5 W                           | -            |
|                | 15-15 5W TXG 50    | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +2* |
| 144 MHz        | 16-01 50W FALC 144 | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)      | -                             | -            |
|                | 16-02 50W MTR 144  | Rotate the [CLAR/VFO-B] knob | -                       | 50 W                          | -            |
|                | 16-03 50W TXG 144  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +3* |
|                | 16-04 20W FALC 144 | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)      | -                             | -            |
|                | 16-05 20W MTR 144  | Rotate the [CLAR/VFO-B] knob | -                       | 20 W                          | -            |
|                | 16-06 20W TXG 144  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +2* |
|                | 16-07 10W FALC 144 | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)      | -                             | -            |
|                | 16-08 10W MTR 144  | Rotate the [CLAR/VFO-B] knob | -                       | 10 W                          | -            |
|                | 16-09 10W TXG 144  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +1* |
|                | 16-10 5W FALC 144  | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)       | -                             | -            |
|                | 16-11 5W MTR 144   | Rotate the [CLAR/VFO-B] knob | -                       | 5 W                           | -            |
|                | 16-12 5W TXG 144   | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +1* |
| 430 MHz        | 17-01 50W FALC 430 | Rotate the [CLAR/VFO-B] knob | 50 W (+3 W / -3 W)      | -                             | -            |
|                | 17-02 50W MTR 430  | Rotate the [CLAR/VFO-B] knob | -                       | 50 W                          | -            |
|                | 17-03 50W TXG 430  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +3* |
|                | 17-04 20W FALC 430 | Rotate the [CLAR/VFO-B] knob | 20 W (+2 W / -2 W)      | -                             | -            |
|                | 17-05 20W MTR 430  | Rotate the [CLAR/VFO-B] knob | -                       | 20 W                          | -            |
|                | 17-06 20W TXG 430  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +2* |
|                | 17-07 10W FALC 430 | Rotate the [CLAR/VFO-B] knob | 10 W (+1 W / -1 W)      | -                             | -            |
|                | 17-08 10W MTR 430  | Rotate the [CLAR/VFO-B] knob | -                       | 10 W                          | -            |
|                | 17-09 10W TXG 430  | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +1* |
|                | 17-10 5W FALC 430  | Rotate the [CLAR/VFO-B] knob | 5 W (+1 W / -1 W)       | -                             | -            |
|                | 17-11 5W MTR 430   | Rotate the [CLAR/VFO-B] knob | -                       | 5 W                           | -            |
|                | 17-12 5W TXG 430   | Rotate the [CLAR/VFO-B] knob | -                       | -                             | S9 +10dB +1* |

\*: Rotate the [CLAR/VFO-B] Dial knob so that the parameter of the alignment menu item "+n" increase.

- ❑ Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## AM-TXG Adjustment

- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- ❑ Connect the Microphone to the front panel MIC jack.
- ❑ Set the VFO-A frequency to 14.200 MHz in the AM mode.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "18-02 TX CAR AM".
- ❑ Press and hold the PTT button without microphone input, then rotate the [CLAR/VFO-B] knob so the ALC meter turns on S7.
- ❑ Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## *REV-ALC Adjustment*

- Connect the 16.6-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- Connect the Microphone to the front panel MIC jack.
- Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-01 REV ALC 1.8".
- Set the VFO-A frequency to 1.900 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 40 W  $\pm$ 10 W on the Wattmeter.
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-02 REV ALC HFL".
- Set the VFO-A frequency to 7.100 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 40 W  $\pm$ 10 W on the Wattmeter.
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-03 REV ALC HFM".
- Set the VFO-A frequency to 14.200 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 40 W  $\pm$ 10 W on the Wattmeter.
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-04 REV ALC HFH".
- Set the VFO-A frequency to 21.200 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 40 W  $\pm$ 10 W on the Wattmeter.
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-05 REV ALC 50".
- Set the VFO-A frequency to 52.000 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 40 W  $\pm$ 10 W on the Wattmeter.

- Release the PTT button.
- Connect the 16.6-Ohm Dummy Load and Wattmeter to the "144/430 MHz" ANT jack.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-06 REV ALC 144".
- Set the VFO-A frequency to 145.90 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 25 W  $\pm$ 5 W on the Wattmeter.
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "19-07 REV ALC 430".
- Set the VFO-A frequency to 439.90 MHz in the CW mode.
- Press and hold the PTT button, then rotate the [CLAR/VFO-B] knob for 15 W  $\pm$ 3 W on the Wattmeter.
- Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

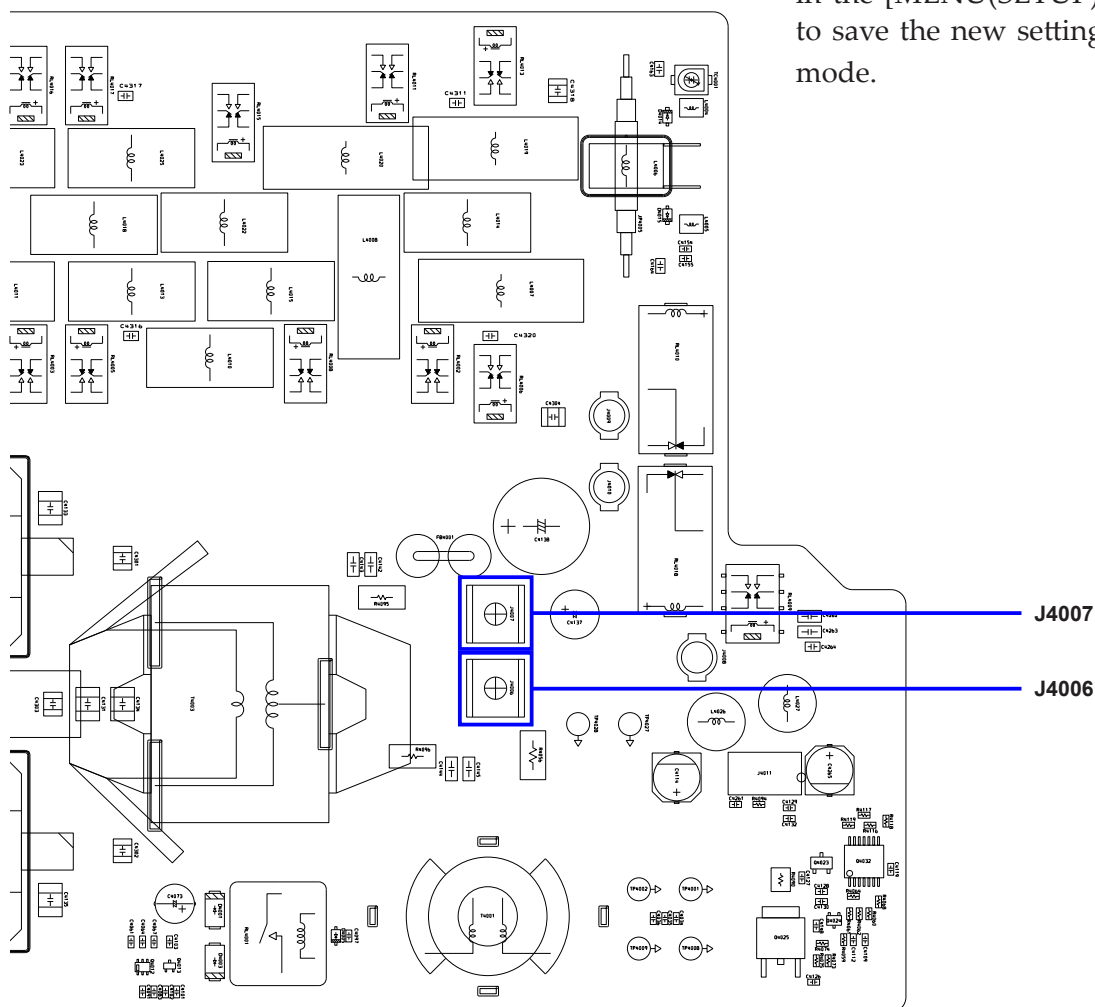
## *FM MAX Deviation Adjustment*

- Connect the Dummy Load, Wattmeter, and Deviation Meter to the "144/430 MHz" ANT Jack.
- Set the MIC GAIN to "50".
- Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "20-02 FM DEV".
- Set the VFO-A frequency to 145.90 MHz in the FM mode.
- Connect the Audio Generator to pin 8 of the MIC jack (pin 7: GND), then set the output level to 5.0 mV @1 kHz.
- Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob for 4.5 kHz  $\pm$ 0.2 kHz on the Deviation Meter.
- Release the PTT button.
- Rotate the [MULTI] Dial knob to select the alignment menu item to "20-03 FM-N DEV".
- Set the VFO-A frequency to 439.90 MHz in the FM-N mode.
- Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob for 2.25 kHz  $\pm$ 0.1 kHz on the Deviation Meter.
- Release the PTT button.

- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "20-04 C4FM DEV".
- ❑ Set the VFO-A frequency to 439.90 MHz in the C4FM mode.
- ❑ Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob for 4.5 kHz  $\pm$ 0.2 kHz on the Deviation Meter.
- ❑ Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

## IDD Meter Adjustment

- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" ANT jack.
- ❑ Remove the jumper that is connected between J4006 and J4007 on the HF-PA-Unit, then connect the DC ammeter (20-A range) between J4006 and J4007.
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "22-01 IDD MTR".
- ❑ Set the VFO-A frequency to 14.200 MHz in the CW mode.
- ❑ Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob so the IDD meter reading is the same as the DC ammeter.
- ❑ Press the PTT button, then press the [F(M-LIST)] key while pressing and holding in the PTT button.
- ❑ Release the PTT button, then press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.





## SWR Meter Adjustment

- ❑ Set the VFO-A frequency to 1.850 MHz in the USB mode.
- ❑ Connect the 50-Ohm Dummy Load and Wattmeter to the "HF/50 MHz" and "144/430 MHz" ANT jack.
- ❑ Disconnect the 3-pin plug from J1006 on the MAIN Unit, then apply a  $4.20 \pm 0.05$  V DC voltage to pin 3 of J1006, and  $0.84 \pm 0.05$  V DC to pin 2 of J1006.
- ❑ Set the MIC GAIN to "Minimum".
- ❑ Press and hold in the [A=B], [A/B], and [FAST] keys, while turning the radio on, to enter the alignment mode.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "21-01 SWR-MTR1.5 1.8".
- ❑ Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob so that the SWR meter reading is "1.5". The SWR meter reading (1.5) is broad (few points). Therefore, set the [VFO-B/CLAR] knob to the center of this broad range.
- ❑ Release the PTT button.
- ❑ Apply a  $4.20 \pm 0.05$  V DC voltage to pin 3 of J1006, and  $1.40 \pm 0.05$  V DC to pin 2 of J1006.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "21-02 SWR-MTR2.0 1.8".
- ❑ Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob so that the SWR meter reading is "2.0." The SWR meter reading (2.0) is broad (few points). Therefore, set the [VFO-B/CLAR] knob to the center of this broad range.

- ❑ Release the PTT button.
- ❑ Apply a  $4.20 \pm 0.05$  V DC voltage to pin 3 of J1006, and  $2.10 \pm 0.05$  V DC to pin 2 of J1006.
- ❑ Rotate the [MULTI] Dial knob to select the alignment menu item to "21-03 SWR-MTR3.0 1.8".
- ❑ Press and hold the PTT button, then rotate the [VFO-B/CLAR] knob so that the SWR meter reading is "3.0." The SWR meter reading (3.0) is broad (few points). Therefore, set the [VFO-B/CLAR] knob to the center of this broad range.
- ❑ Release the PTT button.
- ❑ Perform the same procedures for the Alignment Menus "21-05 SWR-MTR1.5 14" through "21-07 SWR-MTR3.0 14", "21-09 SWR-MTR1.5 50" through "21-11 SWR-MTR3.0 50", "21-13 SWR-MTR1.5 144" through "21-15 SWR-MTR3.0 144" and "21-17 SWR-MTR1.5 430" through "21-19 SWR-MTR3.0 430".

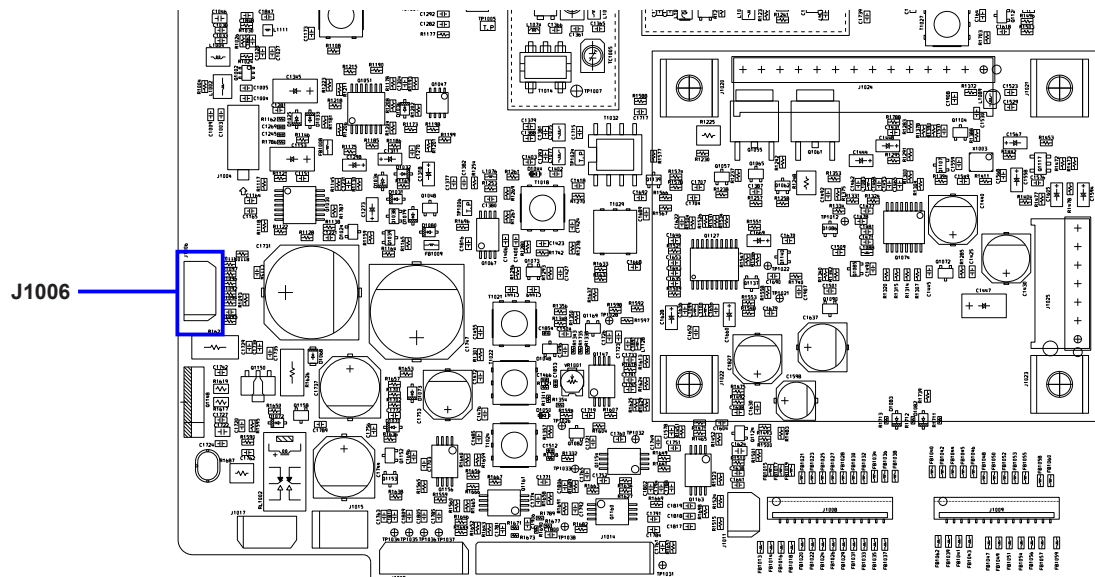
**Note:** Please do not change the Alignment Menus "21-04 SWR-MTR CO 1.8", "21-08 SWRMTR CO 14", "21-12 SWRMTR CO 50", "21-16 SWRMTR CO 144" and "21-20 SWR-MTR CO 430".

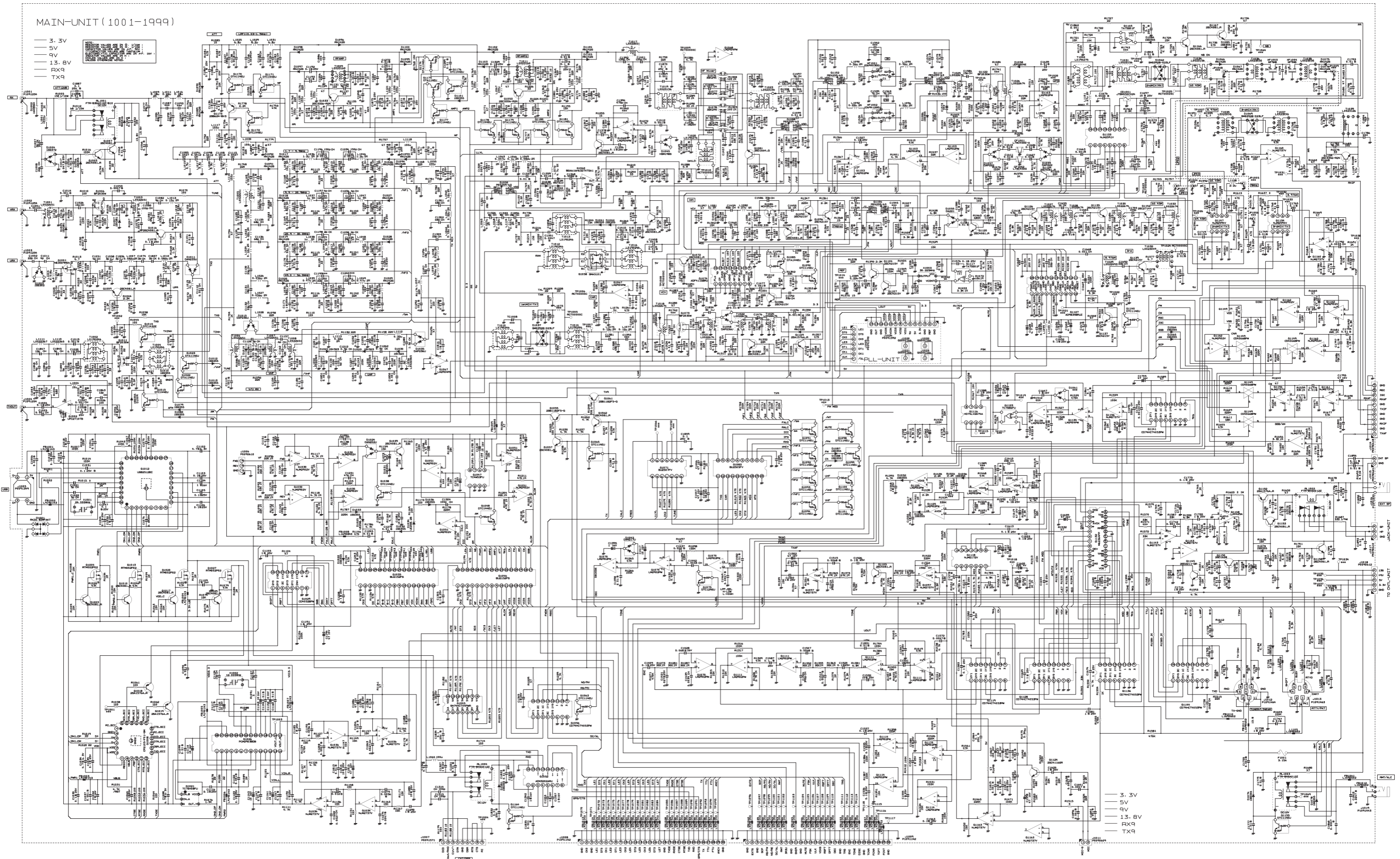
These parameters are always 128.

- ❑ Press and hold in the [MENU(SETUP)] button for one second to save the new setting and exit the alignment mode.

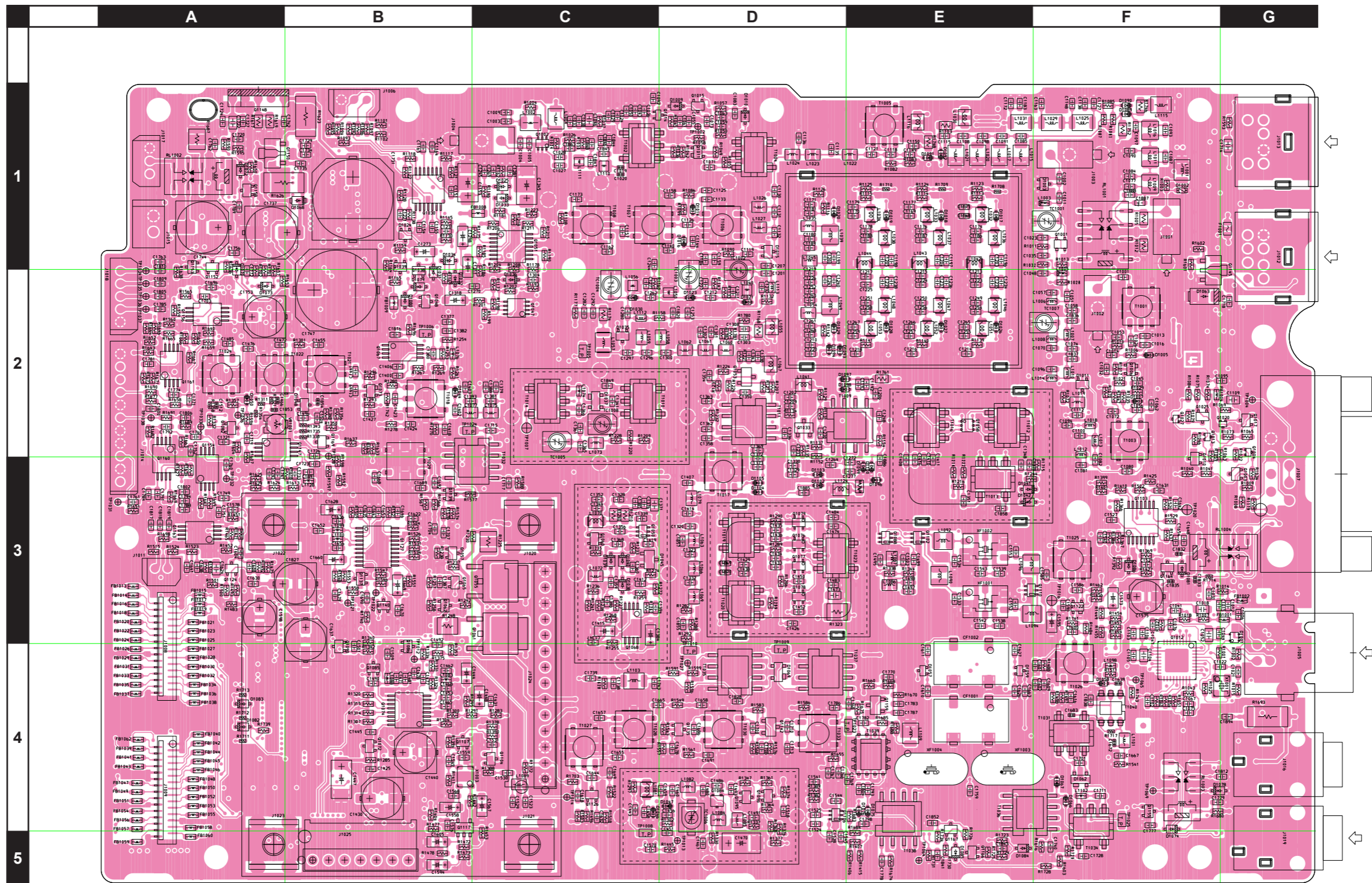
- ❑ Connect the 3-pin plug to J1006 on the MAIN Unit.

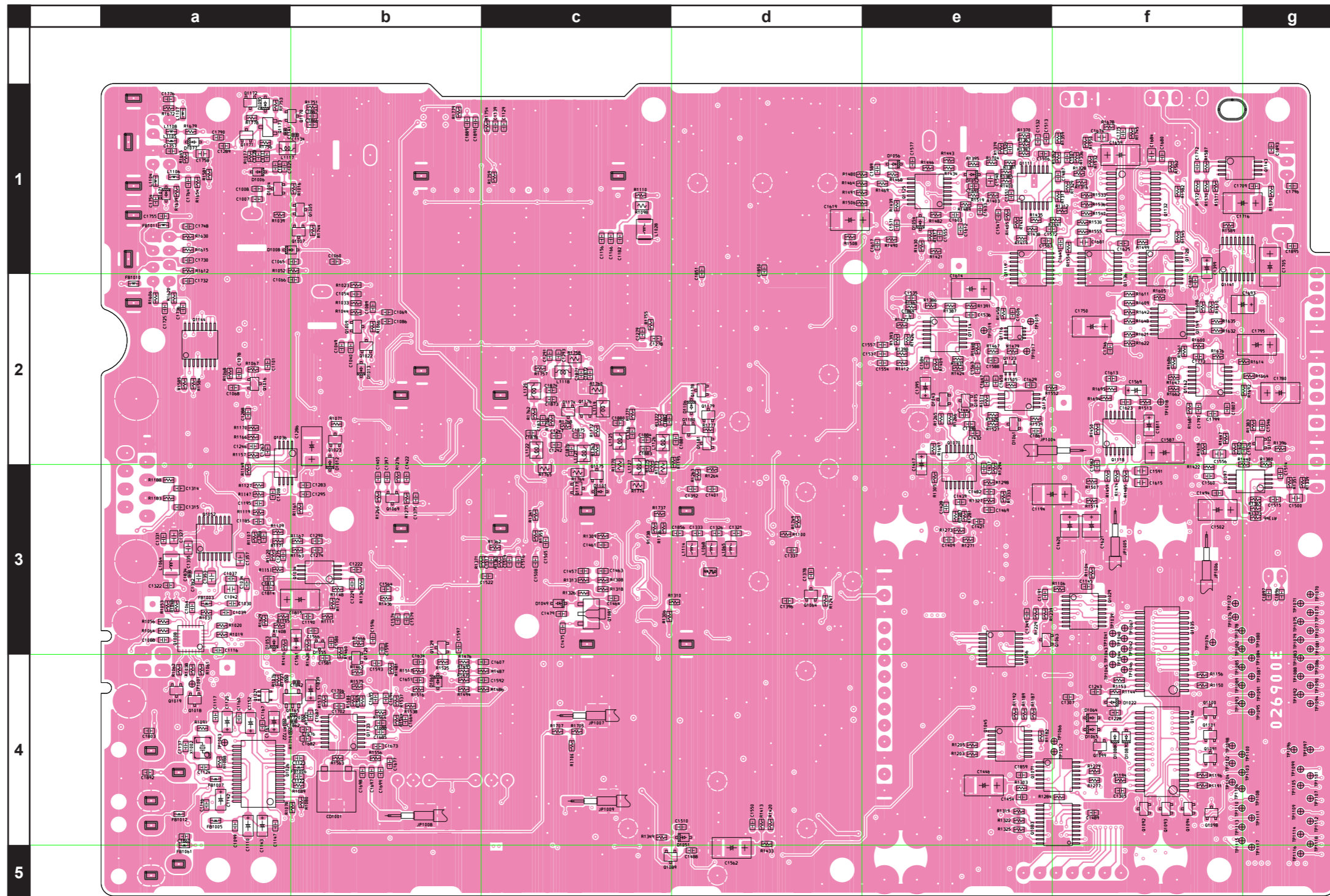
**Important Notice:** If it will be in a transceiver transmitting state, without connecting the 3-pin plug to J1006, there is a possibility that a final transistor may break.



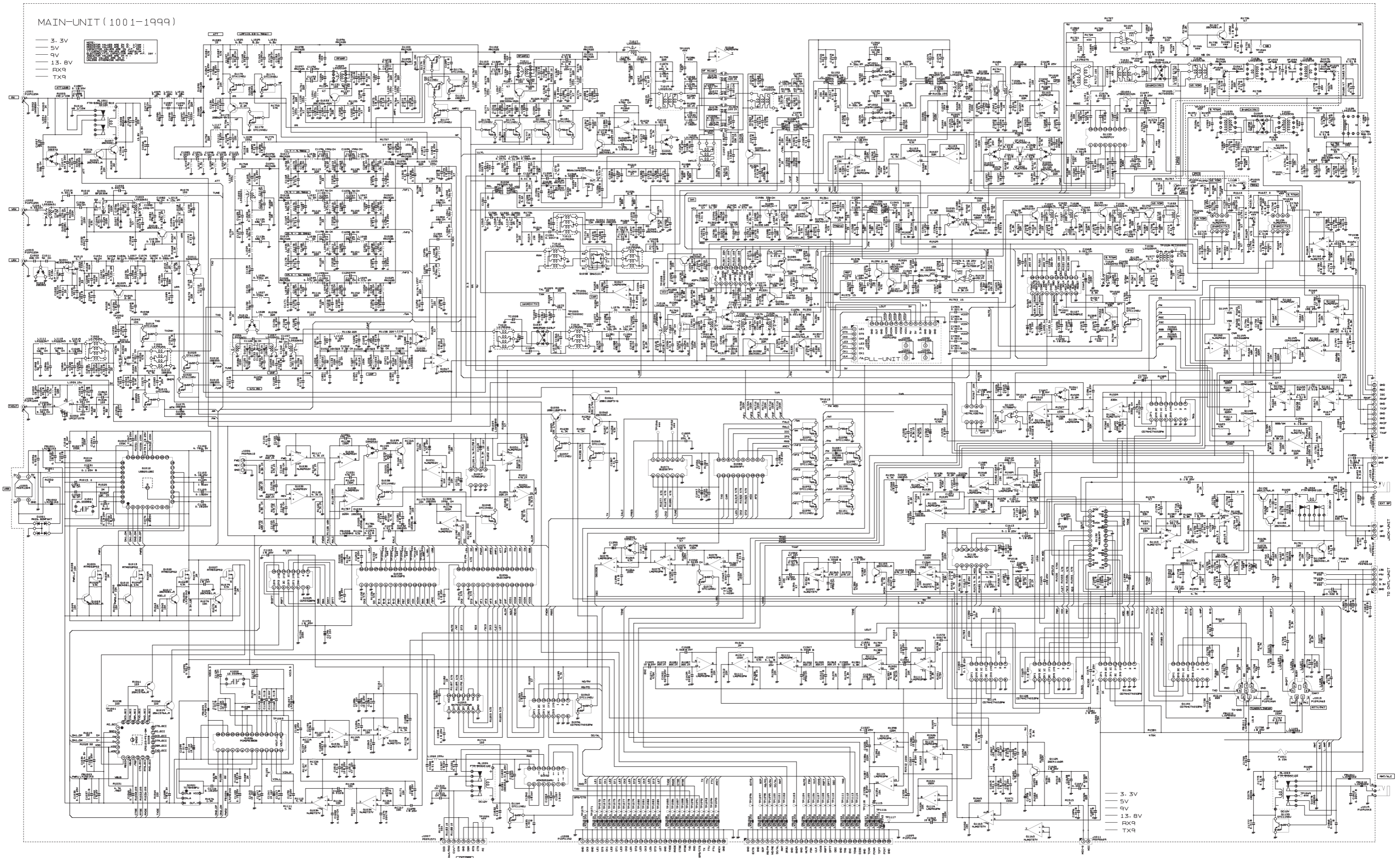






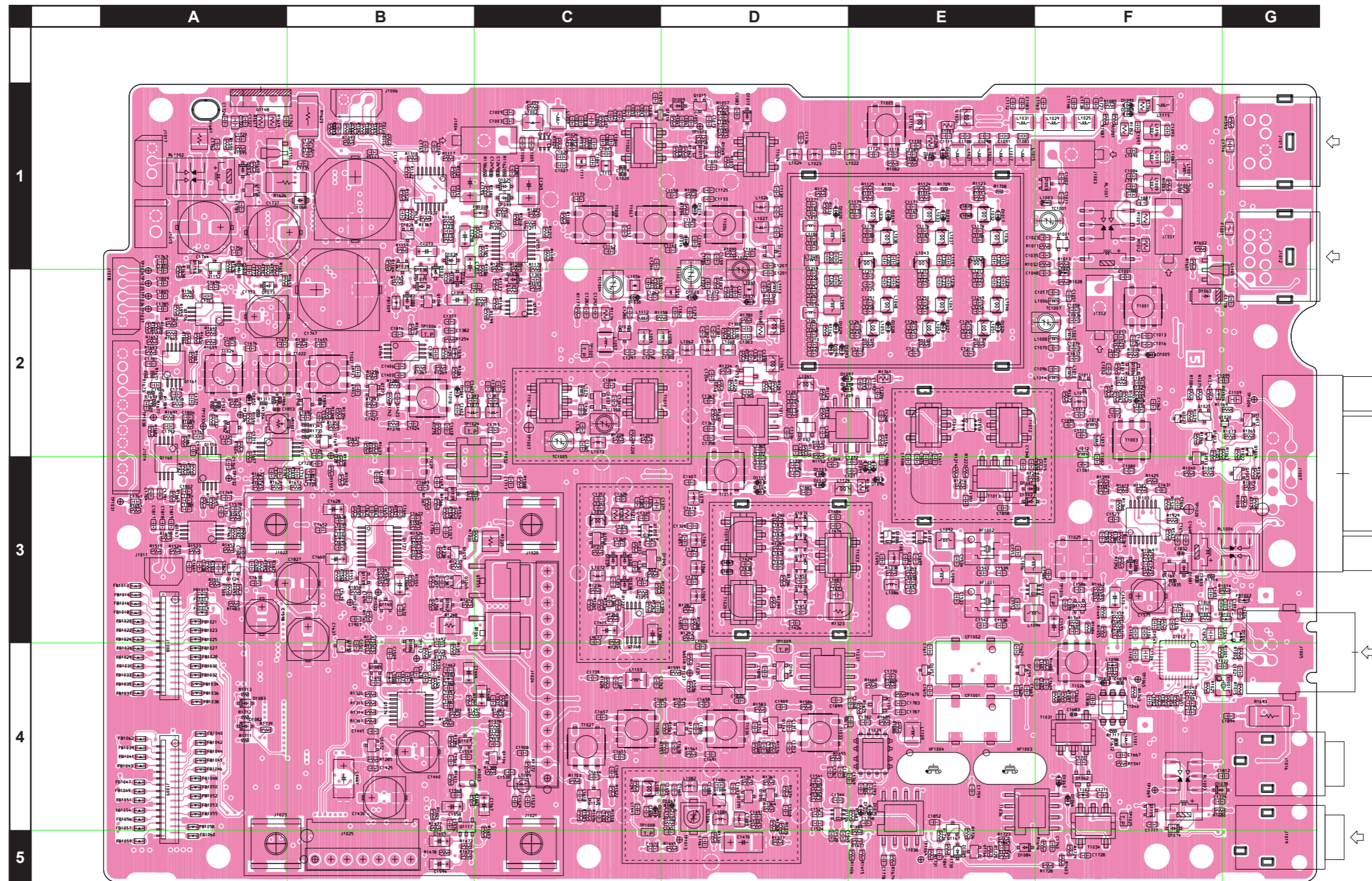


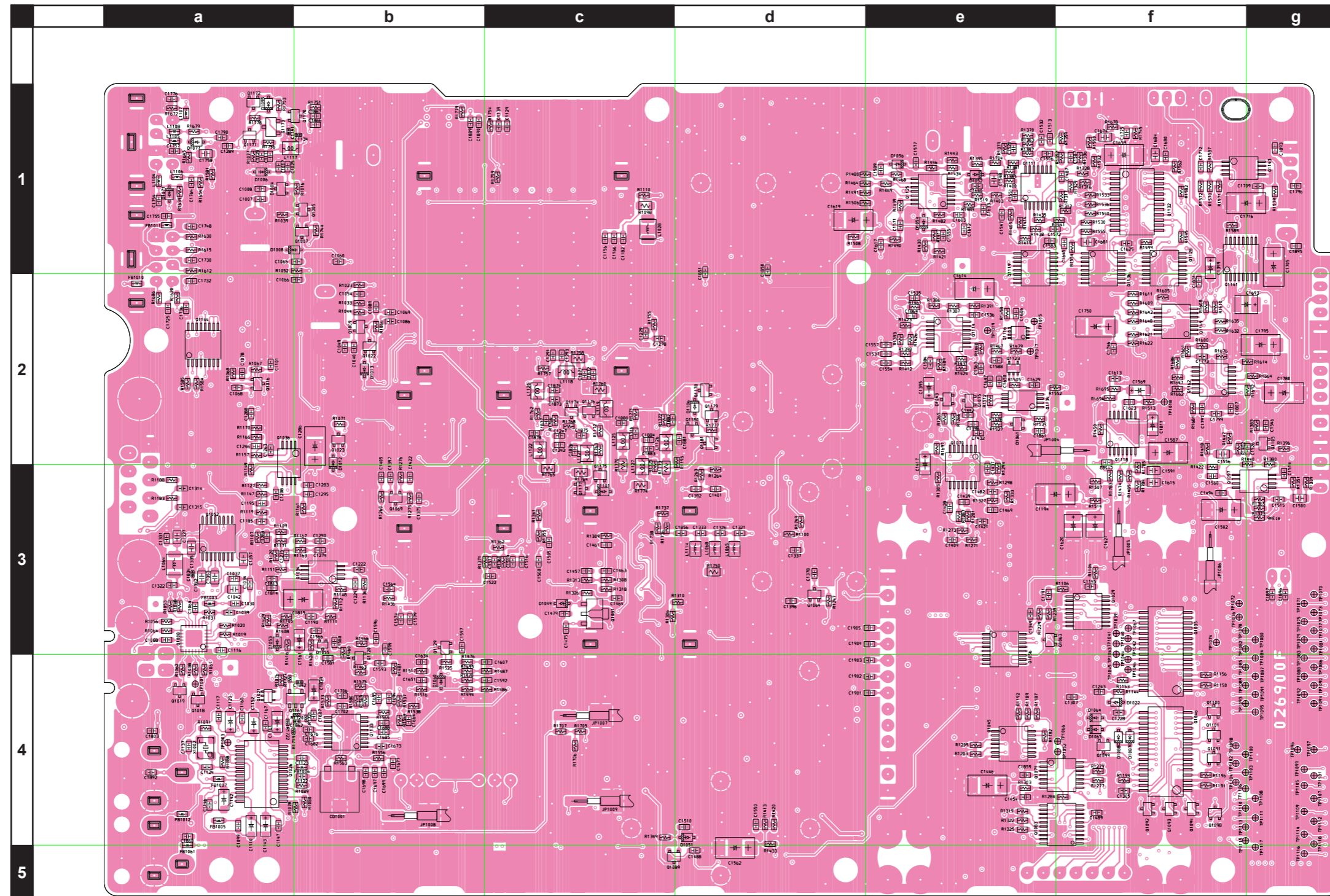




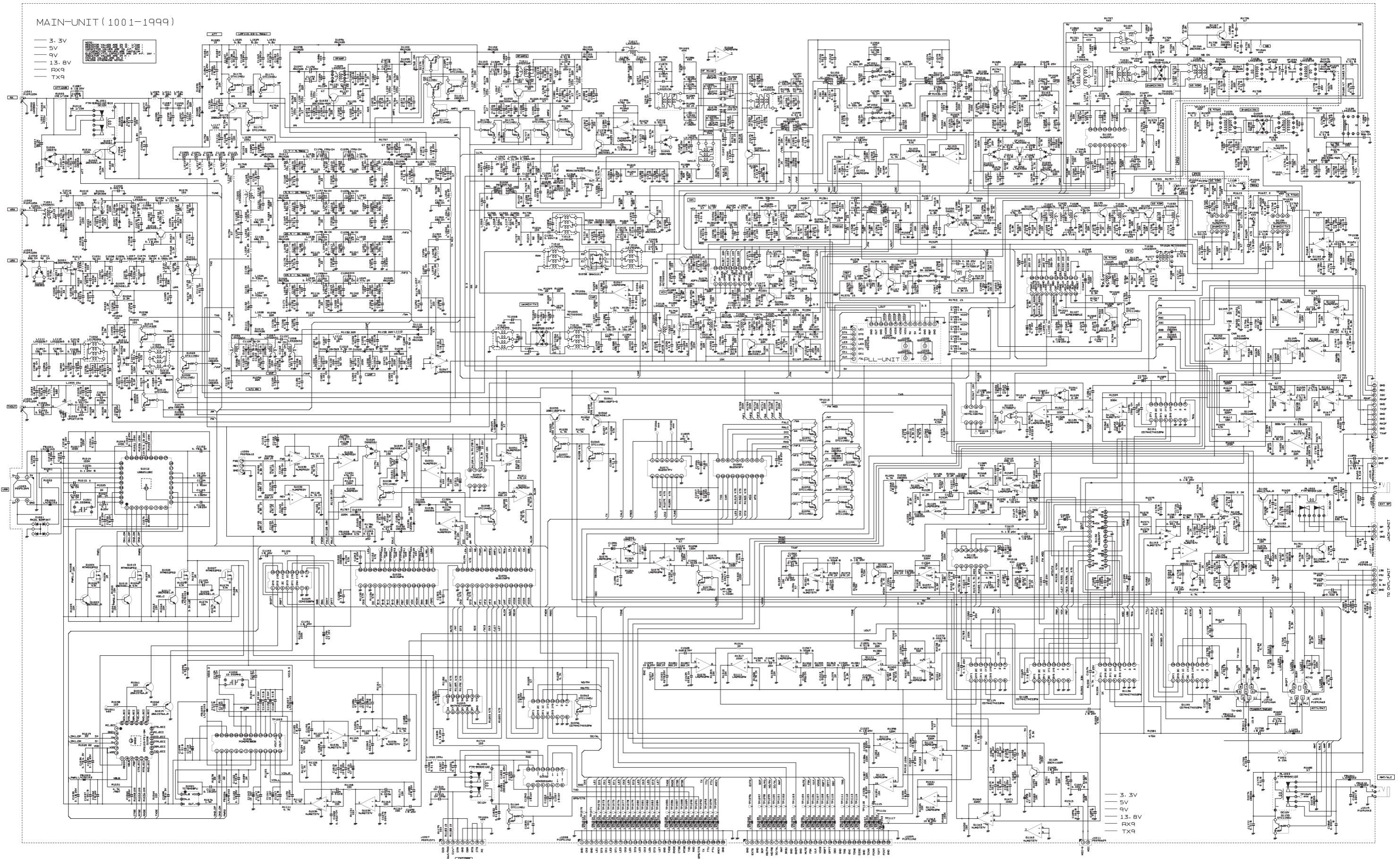


**MAIN Unit (Lot. 3)**  
Parts Layout (side A)

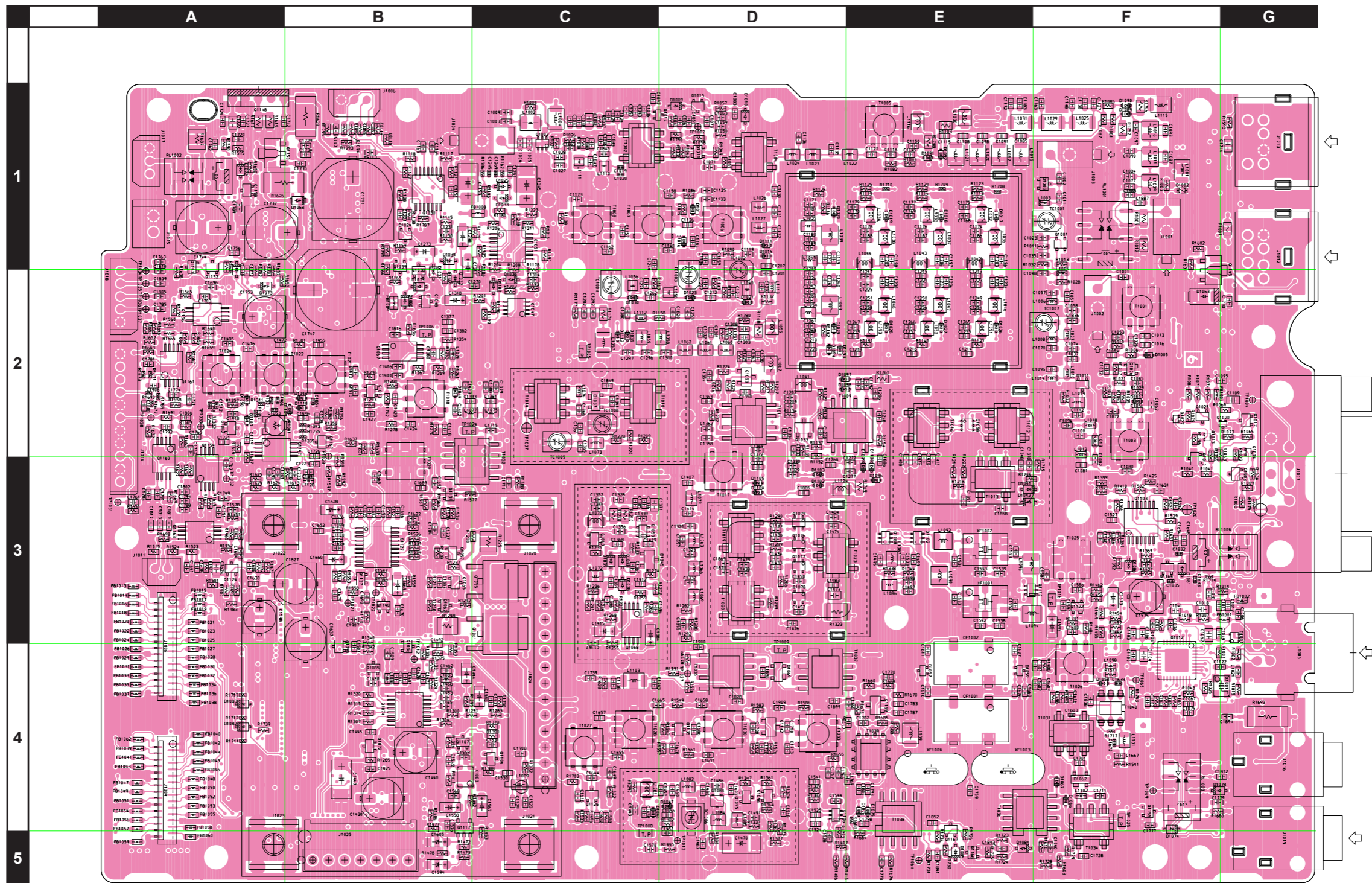


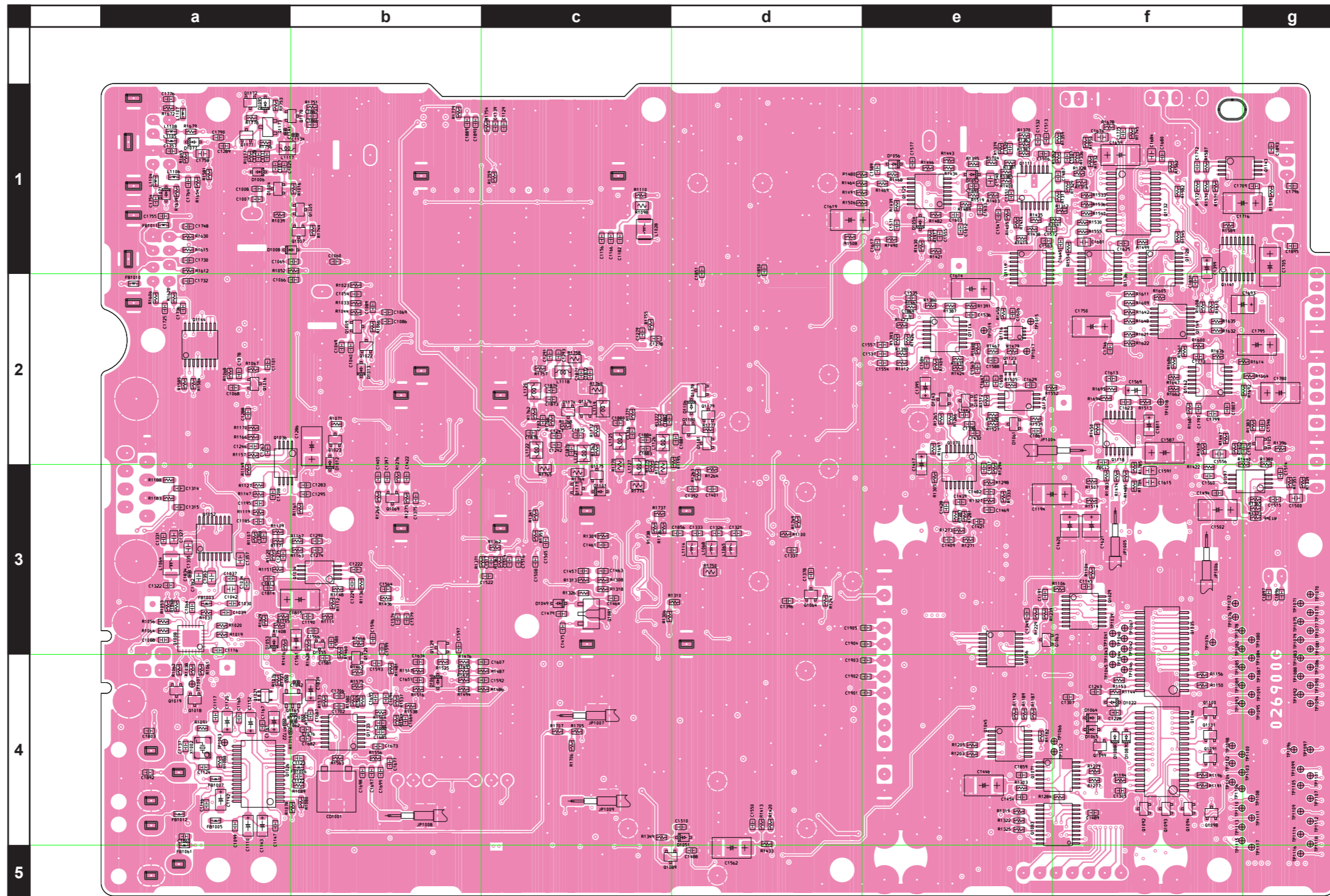




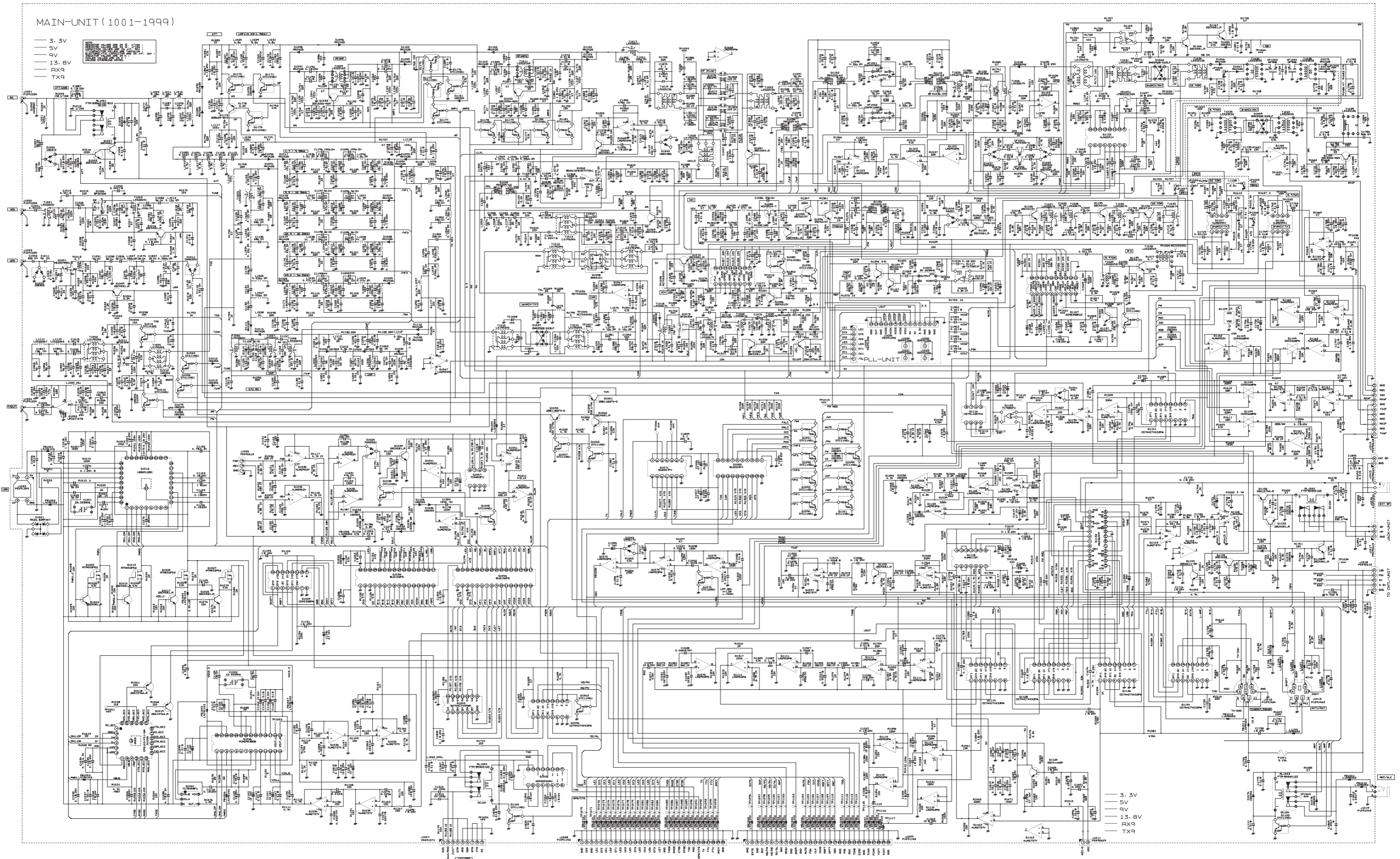




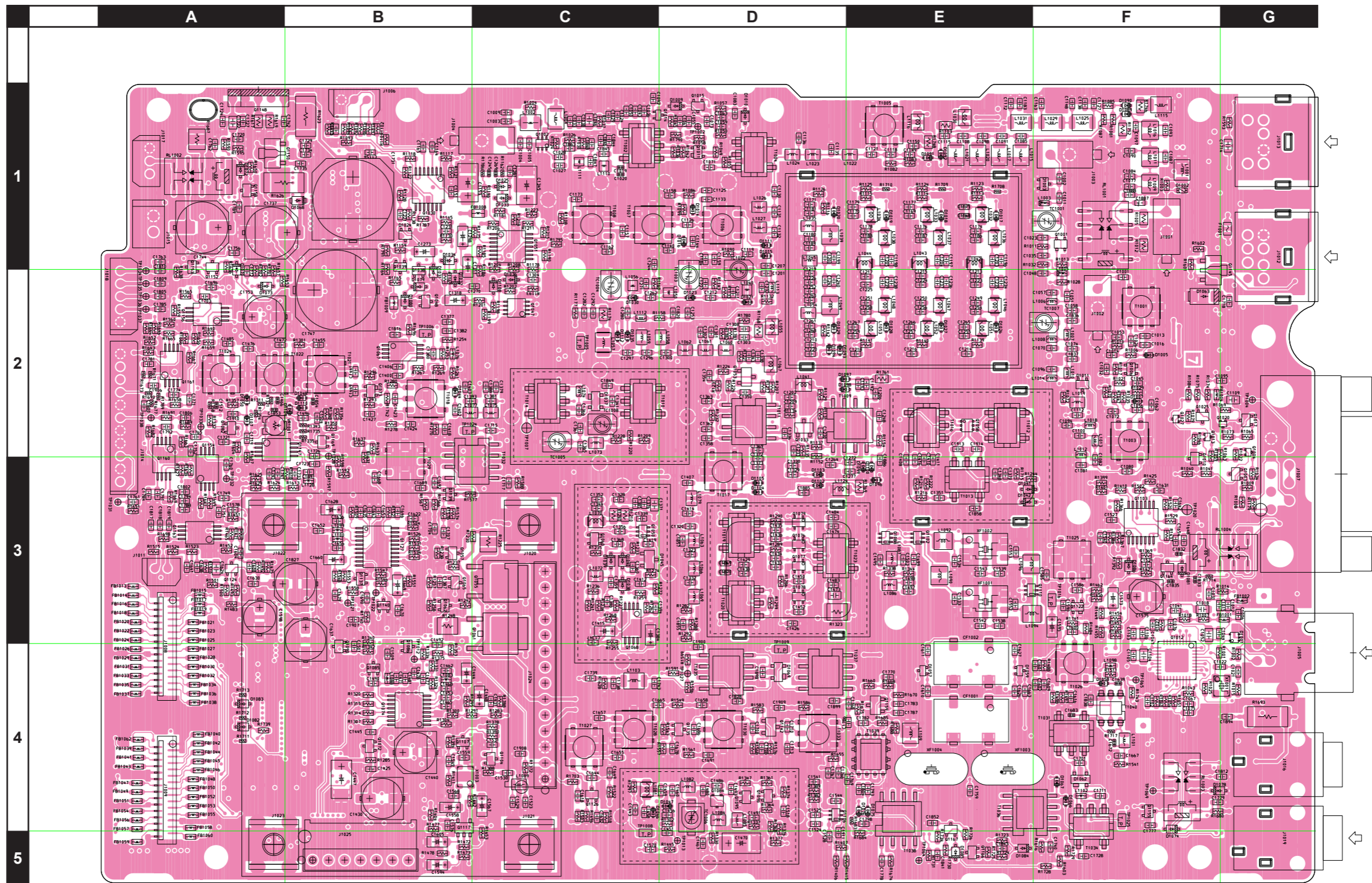


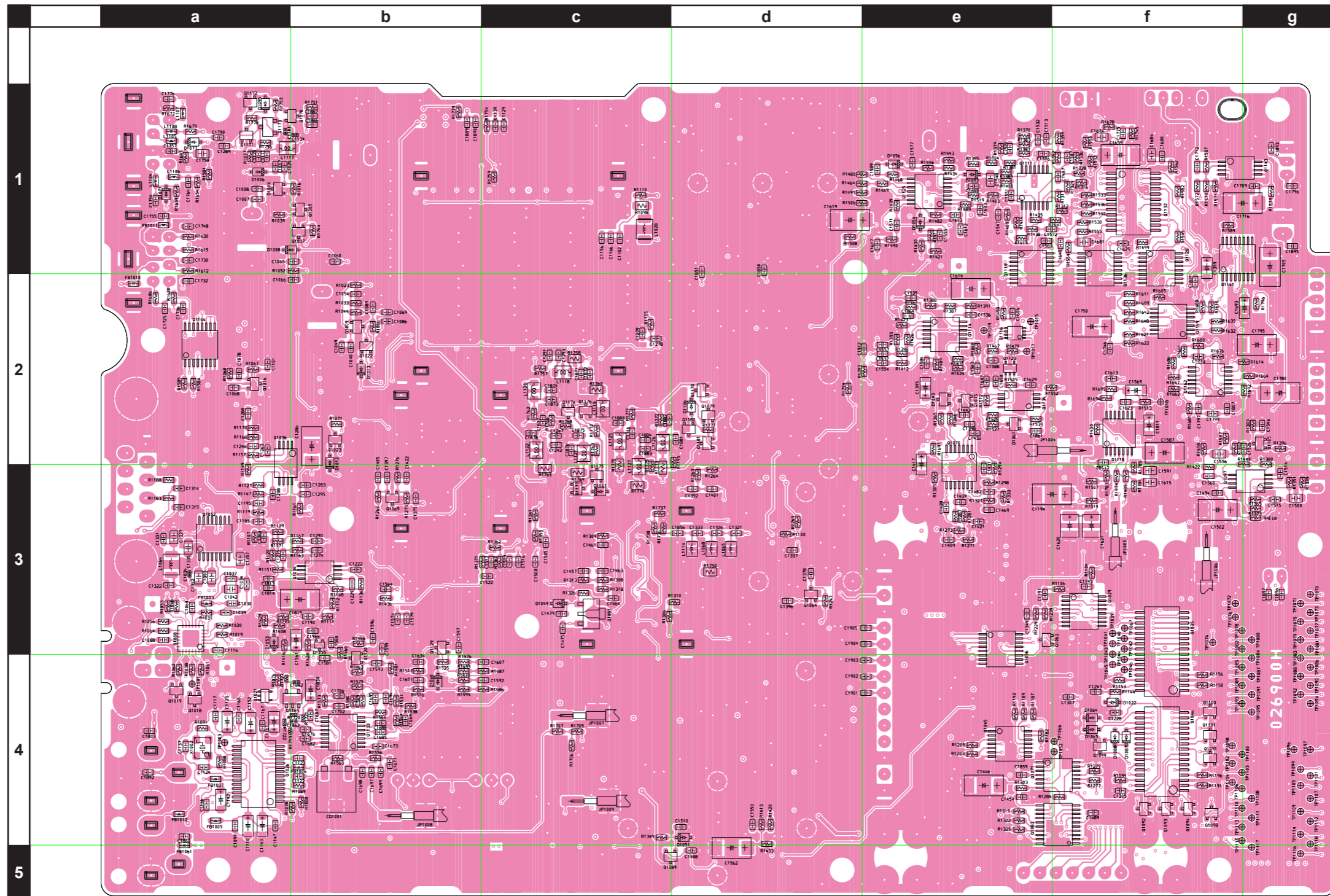








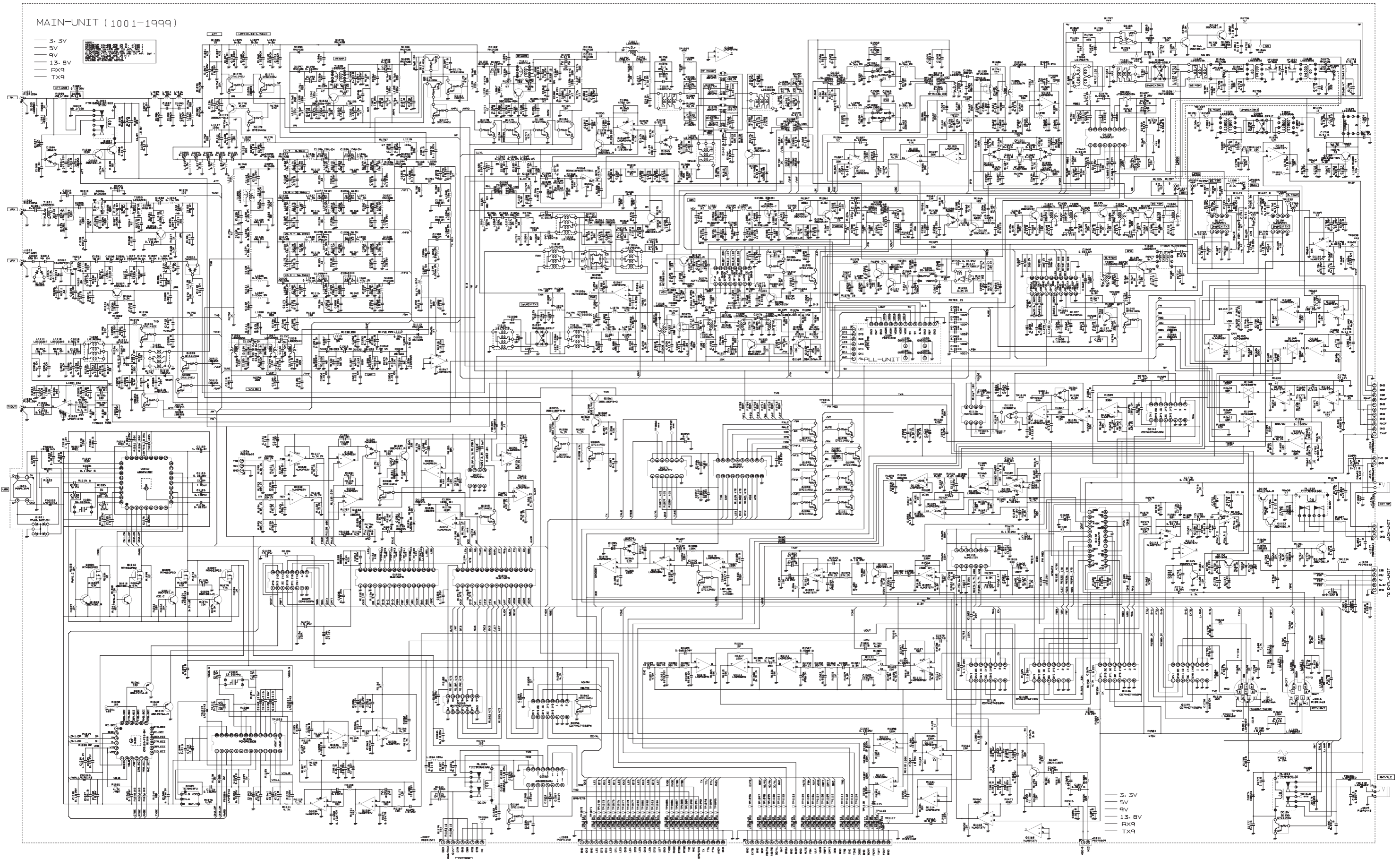






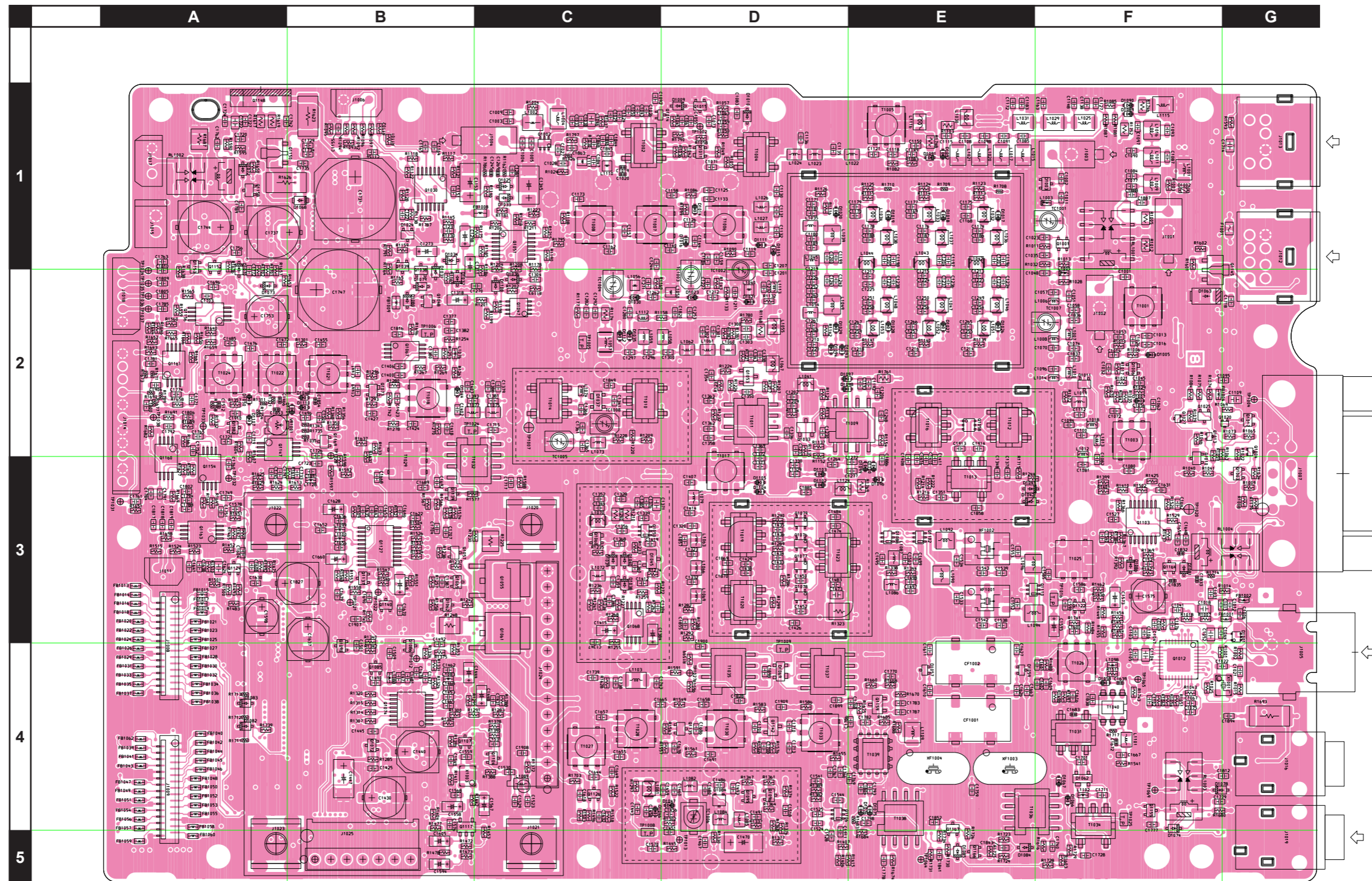
# MAIN Unit (Lot. 9 -)

## Circuit Diagram



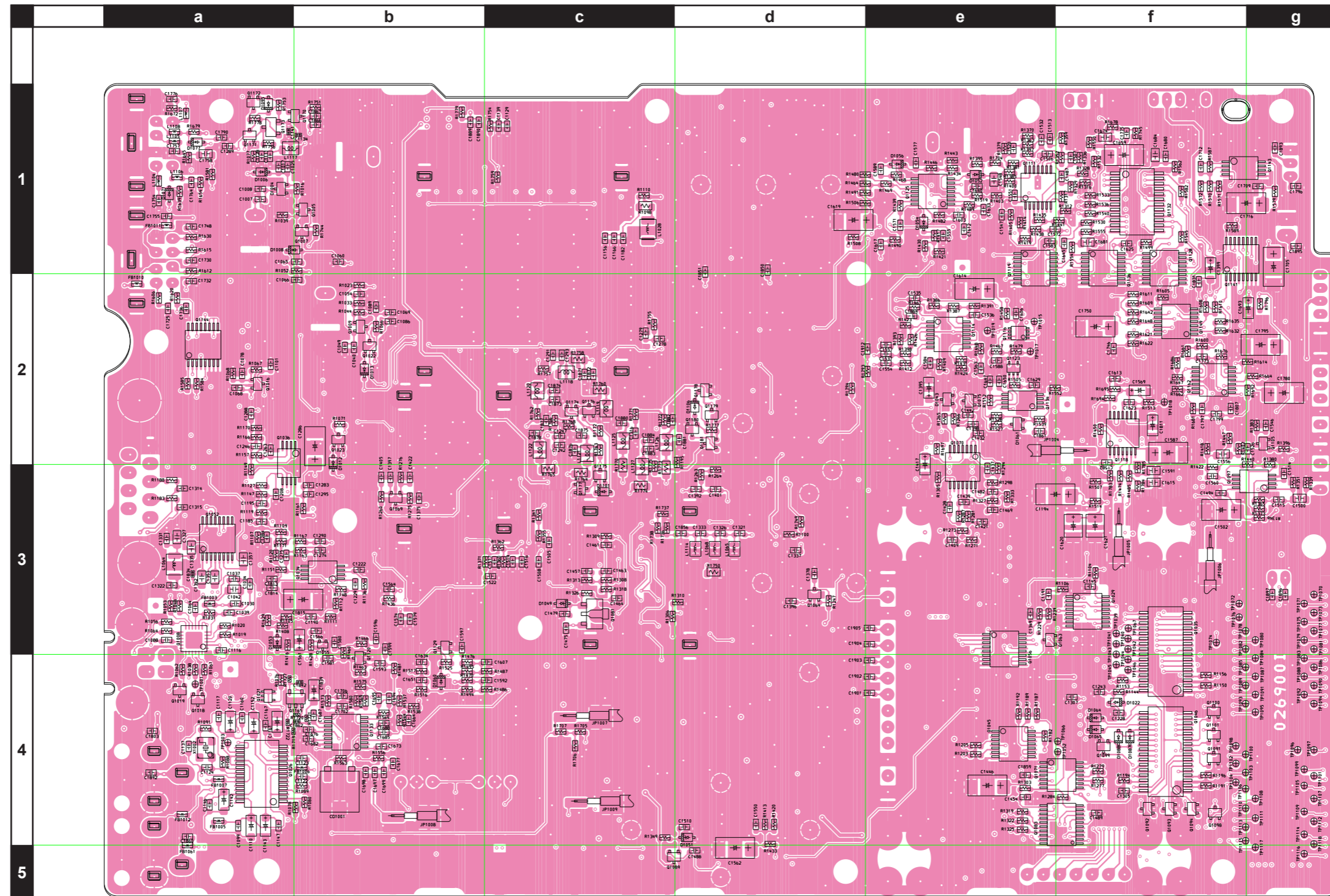


**MAIN Unit (Lot. 9 -)**  
Parts Layout (side A)





**MAIN Unit (Lot. 9 -)**  
Parts Layout (side B)



# MAIN Unit Parts List

| REF    | DESCRIPTION         | VALUE    | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS.      | LOT | SIDE | LAY ADR |  |
|--------|---------------------|----------|------|------|--------------------|-----------|------------|-----|------|---------|--|
|        | PCB with Components |          |      |      |                    |           | CS2343701* |     |      |         |  |
| C 1001 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | F2      |  |
| C 1002 | CHIP CAP.           | 22pF     | 50V  | CH   | GRM1882C1H220JA01D | K22174219 |            | 1-  | A    | F1      |  |
| C 1003 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | C1      |  |
| C 1004 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | C1      |  |
| C 1005 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | C1      |  |
| C 1006 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | F3      |  |
| C 1007 | CHIP CAP.           | 2pF      | 200V | CK   | GRM1884C2D2R0CV01D | K22234204 |            | 1-  | B    | b1      |  |
| C 1008 | CHIP CAP.           | 22pF     | 50V  | CH   | GRM1882C1H220JA01D | K22174219 |            | 1-  | B    | b1      |  |
| C 1009 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | C1      |  |
| C 1011 | CHIP CAP.           | 4pF      | 50V  | CH   | GRM1882C1H4R0CA01D | K22174205 |            | 1-  | A    | F1      |  |
| C 1012 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | F3      |  |
| C 1013 | CHIP CAP.           | 1pF      | 50V  | CK   | GRM1884C1H1R0BA01D | K22174267 |            | 1-2 | A    | F2      |  |
| C 1014 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | F2      |  |
| C 1015 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | F3      |  |
| C 1016 | CHIP CAP.           | 470pF    | 50V  | CH   | GRM1882C1H471JA01D | K22174249 |            | 1-  | A    | F2      |  |
| C 1017 | CHIP CAP.           | 0.047uF  | 25V  | B    | GRM188B11E473KA01D | K22144811 |            | 1-  | B    | b1      |  |
| C 1018 | CHIP CAP.           | 1uF      | 16V  | B    | GRM21BB11C105KA01L | K22120809 |            | 1-  | A    | F3      |  |
| C 1019 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM155B11H102KA01D | K22178809 |            | 1-  | A    | C1      |  |
| C 1020 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM155B31E104KA87D | K22148838 |            | 1-  | A    | C1      |  |
| C 1021 | CHIP CAP.           | 5pF      | 50V  | CH   | GRM1882C1H5R0CA01D | K22174206 |            | 1-  | A    | F4      |  |
| C 1022 | CHIP CAP.           | 5pF      | 50V  | CH   | GRM1882C1H5R0CA01D | K22174206 |            | 1-  | A    | F4      |  |
| C 1023 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | E1      |  |
| C 1024 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | C1      |  |
| C 1025 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | B    | b1      |  |
| C 1026 | CHIP CAP.           | 10pF     | 50V  | CH   | GRM1882C1H100JA01D | K22174211 |            | 1-  | A    | F2      |  |
| C 1026 | CHIP CAP.           | 15pF     | 50V  | CH   | GRM1882C1H150JA01D | K22174215 |            | 3-  | A    | F2      |  |
| C 1027 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | C1      |  |
| C 1028 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | C1      |  |
| C 1029 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | C1      |  |
| C 1030 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | B    | a3      |  |
| C 1031 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | F3      |  |
| C 1032 | CHIP CAP.           | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |            | 1-  | A    | F2      |  |
| C 1033 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | C1      |  |
| C 1034 | CHIP CAP.           | 4.7uF    | 6.3V | B    | JMK107BJ475MA-T    | K22084803 |            | 1-  | B    | a3      |  |
| C 1035 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | E1      |  |
| C 1036 | CHIP CAP.           | 1uF      | 10V  | B    | GRM188B11A105KA61D | K22104808 |            | 1-  | A    | C1      |  |
| C 1037 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | B    | a3      |  |
| C 1038 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | A    | C1      |  |
| C 1039 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | B    | a3      |  |
| C 1040 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | B    | b2      |  |
| C 1041 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | F3      |  |
| C 1042 | CHIP CAP.           | 1uF      | 16V  | B    | GRM21BB11C105KA01L | K22120809 |            | 1-  | B    | a3      |  |
| C 1043 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | C1      |  |
| C 1044 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | F3      |  |
| C 1045 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | F2      |  |
| C 1046 | CHIP CAP.           | 10uF     | 25V  | B    | CM21X5R106K25AT    | K22148837 |            | 1-  | A    | C1      |  |
| C 1047 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | F3      |  |
| C 1048 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | E1      |  |
| C 1049 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | B    | b2      |  |
| C 1050 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | C1      |  |
| C 1051 | CHIP CAP.           | 4pF      | 50V  | CH   | GRM1882C1H4R0CA01D | K22174205 |            | 1-  | A    | F2      |  |
| C 1052 | CHIP CAP.           | 1uF      | 16V  | B    | GRM21BB11C105KA01L | K22120809 |            | 1-  | A    | F3      |  |
| C 1053 | CHIP CAP.           | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |            | 1-  | A    | F2      |  |
| C 1054 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | B    | b2      |  |
| C 1055 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | D1      |  |
| C 1056 | CHIP CAP.           | 470pF    | 50V  | CH   | GRM1882C1H471JA01D | K22174249 |            | 1-  | A    | F2      |  |
| C 1057 | CHIP CAP.           | 12pF     | 50V  | CH   | GRM1882C1H120JA01D | K22174213 |            | 1-  | A    | E2      |  |
| C 1058 | CHIP CAP.           | 3pF      | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |            | 1-  | A    | F2      |  |
| C 1059 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |            | 1-  | A    | D1      |  |
| C 1060 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | B    | b1      |  |
| C 1061 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | A    | D1      |  |
| C 1062 | CHIP CAP.           | 3pF      | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |            | 1-  | A    | F2      |  |
| C 1063 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | A    | D1      |  |
| C 1064 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | B    | a3      |  |
| C 1065 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | B    | b1      |  |
| C 1066 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | B    | b2      |  |
| C 1067 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |            | 1-  | A    | F4      |  |
| C 1068 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | B    | a2      |  |
| C 1069 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |            | 1-  | B    | b2      |  |
| C 1070 | CHIP CAP.           | 27pF     | 50V  | CH   | GRM1882C1H270JA01D | K22174221 |            | 1-  | A    | E2      |  |
| C 1071 | CHIP CAP.           | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |            | 1-  | A    | D1      |  |
| C 1072 | CHIP CAP.           | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |            | 1-  | A    | F2      |  |
| C 1073 | CHIP CAP.           | 1uF      | 25V  | B    | GRM188B31E105KA75D | K22144815 |            | 1-  | A    | D1      |  |
| C 1074 | CHIP CAP.           | 2pF      | 50V  | CK   | GRM1884C1H2R0BA01D | K22174272 |            | 1-  | A    | F2      |  |

\* Please contact YAESU when replacing the MAIL-UNIT.

# MAIN Unit Parts List

| REF    | DESCRIPTION  | VALUE    | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 1075 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F4      |
| C 1076 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1077 | CHIP CAP.    | 39pF     | 50V  | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | F1      |
| C 1078 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a2      |
| C 1080 | CHIP CAP.    | 100pF    | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | F3      |
| C 1081 | CHIP CAP.    | 39pF     | 50V  | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | F2      |
| C 1082 | CHIP CAP.    | 9pF      | 50V  | CH   | GRM1882C1H9R0CA01D | K22174247 |       | 1-  | A    | F2      |
| C 1083 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D1      |
| C 1084 | CHIP CAP.    | 82pF     | 50V  | CH   | GRM1882C1H820JA01D | K22174233 |       | 1-  | A    | F1      |
| C 1085 | CHIP CAP.    | 0.0027uF | 50V  | CH   | GRM1882C1H272JA01D | K22174280 |       | 1-  | A    | E1      |
| C 1086 | CHIP CAP.    | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | b2      |
| C 1088 | CHIP CAP.    | 4.7uF    | 6.3V | B    | JMK107BJ475MA-T    | K22084803 |       | 1-  | B    | a3      |
| C 1089 | CHIP CAP.    | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b2      |
| C 1090 | CHIP CAP.    | 82pF     | 50V  | CH   | GRM1882C1H820JA01D | K22174233 |       | 1-  | A    | F1      |
| C 1091 | CHIP CAP.    | 0.0012uF | 50V  | CH   | GRM1882C1H122JA01D | K22174276 |       | 1-  | A    | E1      |
| C 1092 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C1      |
| C 1094 | CHIP CAP.    | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | F2      |
| C 1095 | CHIP CAP.    | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F2      |
| C 1096 | CHIP CAP.    | 1pF      | 50V  | CK   | GRM1884C1H1R0CA01D | K22174202 |       | 1-  | A    | E2      |
| C 1097 | CHIP CAP.    | 27pF     | 50V  | CH   | GRM1882C1H270JA01D | K22174221 |       | 1-  | A    | F1      |
| C 1098 | CHIP CAP.    | 0.0012uF | 50V  | CH   | GRM1882C1H122JA01D | K22174276 |       | 1-  | A    | E1      |
| C 1099 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a4      |
| C 1100 | CHIP CAP.    | 39pF     | 50V  | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | F2      |
| C 1101 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b2      |
| C 1102 | CHIP CAP.    | 4.7uF    | 6.3V | B    | JMK107BJ475MA-T    | K22084803 |       | 1-  | A    | F4      |
| C 1103 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1104 | CHIP CAP.    | 1uF      | 16V  | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | A    | F3      |
| C 1105 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1106 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1108 | CHIP CAP.    | 0.0012uF | 50V  | CH   | GRM1882C1H122JA01D | K22174276 |       | 1-  | A    | E1      |
| C 1109 | CHIP CAP.    | 1uF      | 16V  | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | A    | F2      |
| C 1110 | CHIP TA.CAP. | 10uF     | 16V  |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | a4      |
| C 1111 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b1      |
| C 1112 | CHIP CAP.    | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | F2      |
| C 1115 | CHIP CAP.    | 0.0027uF | 50V  | CH   | GRM1882C1H272JA01D | K22174280 |       | 1-  | A    | E1      |
| C 1116 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a3      |
| C 1117 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a4      |
| C 1118 | CHIP CAP.    | 120pF    | 50V  | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | E1      |
| C 1119 | CHIP CAP.    | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D1      |
| C 1120 | CHIP TA.CAP. | 10uF     | 16V  |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | a4      |
| C 1121 | CHIP CAP.    | 120pF    | 50V  | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | E1      |
| C 1122 | CHIP CAP.    | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b4      |
| C 1123 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b4      |
| C 1124 | CHIP CAP.    | 15pF     | 50V  | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | B    | a4      |
| C 1125 | CHIP CAP.    | 470pF    | 50V  | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | D1      |
| C 1126 | CHIP CAP.    | 2pF      | 50V  | CK   | GRM1884C1H2R0BA01D | K22174272 |       | 1-  | A    | D1      |
| C 1127 | CHIP CAP.    | 180pF    | 50V  | CH   | GRM1882C1H181JA01D | K22174241 |       | 1-  | A    | F1      |
| C 1128 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b1      |
| C 1129 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c1      |
| C 1130 | CHIP CAP.    | 33pF     | 50V  | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | D1      |
| C 1131 | CHIP CAP.    | 18pF     | 50V  | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | D1      |
| C 1132 | CHIP CAP.    | 33pF     | 50V  | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | D1      |
| C 1133 | CHIP CAP.    | 3pF      | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | A    | D1      |
| C 1134 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM155B31E104KA87D | K22148838 |       | 1-  | B    | b1      |
| C 1135 | CHIP CAP.    | 68pF     | 50V  | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | D1      |
| C 1136 | CHIP CAP.    | 68pF     | 50V  | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | D1      |
| C 1137 | CHIP CAP.    | 15pF     | 50V  | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | B    | a4      |
| C 1138 | CHIP CAP.    | 0.0018uF | 50V  | CH   | GRM1882C1H182JA01D | K22174278 |       | 1-  | A    | F1      |
| C 1139 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c1      |
| C 1140 | CHIP CAP.    | 3pF      | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | A    | C1      |
| C 1141 | CHIP CAP.    | 0.01uF   | 25V  | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | B    | b1      |
| C 1142 | CHIP TA.CAP. | 10uF     | 16V  |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | a4      |
| C 1143 | CHIP TA.CAP. | 10uF     | 16V  |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | b4      |
| C 1144 | CHIP CAP.    | 470pF    | 50V  | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | D1      |
| C 1145 | CHIP CAP.    | 1uF      | 25V  | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | f3      |
| C 1146 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a4      |
| C 1147 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b4      |
| C 1148 | CHIP CAP.    | 0.0039uF | 50V  | CH   | GRM1882C1H392JA01D | K22174282 |       | 1-  | A    | F1      |
| C 1149 | CHIP CAP.    | 0.001uF  | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | E1      |
| C 1150 | CHIP CAP.    | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E1      |
| C 1151 | CHIP CAP.    | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B1      |
| C 1152 | CHIP TA.CAP. | 10uF     | 16V  |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | a4      |
| C 1153 | CHIP TA.CAP. | 47uF     | 16V  |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | A    | B1      |
| C 1154 | CHIP CAP.    | 100pF    | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B1      |
| C 1155 | CHIP CAP.    | 100pF    | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B1      |



# MAIN Unit Parts List

| REF    | DESCRIPTION  | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1156 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c1      |
| C 1157 | CHIP CAP.    | 6pF      | 50V | CH   | GRM1882C1H6R0DA01D | K22174207 |       | 1-  | A    | C1      |
| C 1158 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C1      |
| C 1159 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D1      |
| C 1160 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a4      |
| C 1161 | CHIP TA.CAP. | 10uF     | 16V |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | b4      |
| C 1162 | CHIP CAP.    | 12pF     | 50V | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | C1      |
| C 1163 | CHIP CAP.    | 0.0039uF | 50V | CH   | GRM1882C1H392JA01D | K22174282 |       | 1-  | A    | E1      |
| C 1164 | CHIP CAP.    | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B1      |
| C 1165 | CHIP CAP.    | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B1      |
| C 1166 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c1      |
| C 1167 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b4      |
| C 1168 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E1      |
| C 1169 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E1      |
| C 1170 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D1      |
| C 1171 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D1      |
| C 1172 | CHIP CAP.    | 0.0018uF | 50V | CH   | GRM1882C1H182JA01D | K22174278 |       | 1-  | A    | E1      |
| C 1173 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C1      |
| C 1174 | CHIP CAP.    | 180pF    | 50V | CH   | GRM1882C1H181JA01D | K22174241 |       | 1-  | A    | E1      |
| C 1175 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E1      |
| C 1176 | CHIP CAP.    | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | E1      |
| C 1177 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E1      |
| C 1178 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | D1      |
| C 1179 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 1180 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | D1      |
| C 1181 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 1182 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | c1      |
| C 1183 | CHIP CAP.    | 180pF    | 50V | CH   | GRM1882C1H181JA01D | K22174241 |       | 1-  | A    | E1      |
| C 1184 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 1185 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | b3      |
| C 1186 | CHIP CAP.    | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | E1      |
| C 1188 | CHIP CAP.    | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | A    | D1      |
| C 1190 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | b3      |
| C 1191 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | f3      |
| C 1192 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1193 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1194 | CHIP TA.CAP. | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | f3      |
| C 1195 | CHIP CAP.    | 0.0056uF | 50V | B    | GRM188B11H562KA01D | K22174818 |       | 1-  | B    | b3      |
| C 1196 | CHIP CAP.    | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | E1      |
| C 1197 | CHIP CAP.    | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | A    | E1      |
| C 1198 | CHIP CAP.    | 2pF      | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |       | 1-  | A    | E1      |
| C 1200 | CHIP CAP.    | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | D1      |
| C 1201 | CHIP CAP.    | 1.5pF    | 50V | CK   | GRM1884C1H1R5CA01D | K22174258 |       | 1-  | A    | D1      |
| C 1202 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1203 | CHIP CAP.    | 0.0015uF | 50V | CH   | GRM1882C1H152JA01D | K22174277 |       | 1-  | A    | E1      |
| C 1204 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | E1      |
| C 1205 | CHIP CAP.    | 39pF     | 50V | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | E1      |
| C 1208 | CHIP CAP.    | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174833 |       | 1-  | B    | b3      |
| C 1209 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D2      |
| C 1210 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D2      |
| C 1211 | CHIP CAP.    | 6pF      | 50V | CH   | GRM1882C1H6R0DA01D | K22174207 |       | 1-  | A    | D2      |
| C 1212 | CHIP CAP.    | 0.5pF    | 50V | CK   | GRM1884C1HR50BA01D | K22174265 |       | 1-  | A    | D2      |
| C 1213 | CHIP CAP.    | 560pF    | 50V | CH   | GRM1882C1H561JA01D | K22174273 |       | 1-  | A    | E2      |
| C 1214 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E2      |
| C 1215 | CHIP CAP.    | 390pF    | 50V | CH   | GRM1882C1H391JA01D | K22174255 |       | 1-  | A    | E2      |
| C 1216 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E2      |
| C 1217 | CHIP CAP.    | 390pF    | 50V | CH   | GRM1882C1H391JA01D | K22174255 |       | 1-  | A    | D2      |
| C 1218 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1219 | CHIP CAP.    | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | D1      |
| C 1220 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1221 | CHIP CAP.    | 10pF     | 50V | CH   | GRM1882C1H100JA01D | K22174211 |       | 1-  | A    | B1      |
| C 1222 | CHIP CAP.    | 0.0027uF | 50V | CH   | GRM1882C1H272JA01D | K22174280 |       | 1-  | B    | b3      |
| C 1223 | CHIP CAP.    | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | E2      |
| C 1224 | CHIP CAP.    | 68pF     | 50V | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | E2      |
| C 1225 | CHIP CAP.    | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | D2      |
| C 1226 | CHIP CAP.    | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | D2      |
| C 1227 | CHIP CAP.    | 6pF      | 50V | CH   | GRM1882C1H6R0DA01D | K22174207 |       | 1-  | A    | D2      |
| C 1228 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f4      |
| C 1229 | CHIP CAP.    | 0.012uF  | 50V | B    | GRM188B11H123KA01D | K22174825 |       | 1-  | B    | b3      |
| C 1230 | CHIP CAP.    | 9pF      | 50V | CH   | GRM1882C1H9R0DA01D | K22174210 |       | 1-  | A    | D2      |
| C 1231 | CHIP CAP.    | 47pF     | 50V | CH   | GRM1882C1H470JA01D | K22174227 |       | 1-  | A    | B1      |
| C 1232 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D2      |
| C 1233 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1234 | CHIP CAP.    | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | E2      |
| C 1235 | CHIP CAP.    | 0.0015uF | 50V | CH   | GRM1882C1H152JA01D | K22174277 |       | 1-  | A    | E2      |

# MAIN Unit Parts List

| REF    | DESCRIPTION  | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1236 | CHIP CAP.    | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | A    | E2      |
| C 1237 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | E2      |
| C 1238 | CHIP CAP.    | 2pF      | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |       | 1-  | A    | E2      |
| C 1239 | CHIP CAP.    | 39pF     | 50V | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | E2      |
| C 1241 | CHIP CAP.    | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | D2      |
| C 1242 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | c2      |
| C 1243 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | f4      |
| C 1244 | CHIP CAP.    | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | C1      |
| C 1245 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C1      |
| C 1245 | CHIP CAP.    | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 3-  | A    | C1      |
| C 1246 | CHIP CAP.    | 0.012uF  | 50V | B    | GRM188B11H123KA01D | K22174825 |       | 1-  | B    | a2      |
| C 1247 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1248 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E2      |
| C 1249 | CHIP CAP.    | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | E2      |
| C 1251 | CHIP CAP.    | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | A    | D2      |
| C 1253 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1254 | CHIP CAP.    | 180pF    | 50V | CH   | GRM1882C1H181JA01D | K22174241 |       | 1-  | A    | E2      |
| C 1255 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E2      |
| C 1256 | CHIP CAP.    | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | E2      |
| C 1257 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E2      |
| C 1258 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | D2      |
| C 1259 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1260 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | D2      |
| C 1261 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1262 | CHIP CAP.    | 0.5pF    | 50V | CK   | GRM1884C1HR50BA01D | K22174265 |       | 1-  | A    | C2      |
| C 1263 | CHIP CAP.    | 0.0027uF | 50V | CH   | GRM1882C1H272JA01D | K22174280 |       | 1-  | B    | b2      |
| C 1265 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E2      |
| C 1266 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E2      |
| C 1267 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1268 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1269 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C1      |
| C 1269 | CHIP CAP.    | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 3-  | A    | C1      |
| C 1270 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B2      |
| C 1271 | CHIP CAP.    | 6pF      | 50V | CH   | GRM1882C1H6R0DA01D | K22174207 |       | 1-  | A    | C2      |
| C 1272 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1273 | CHIP TA.CAP. | 0.47uF   | 25V |      | TMCSA1E474MTRF     | K78140009 |       | 1-  | A    | B1      |
| C 1274 | CHIP CAP.    | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174833 |       | 1-  | B    | b3      |
| C 1275 | CHIP CAP.    | 0.0056uF | 50V | B    | GRM188B11H562KA01D | K22174818 |       | 1-  | B    | b3      |
| C 1277 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1278 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d2      |
| C 1279 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1280 | CHIP CAP.    | 1.5pF    | 50V | CK   | GRM1884C1H1R5CA01D | K22174258 |       | 1-  | A    | C2      |
| C 1281 | CHIP CAP.    | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | A    | C1      |
| C 1282 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C2      |
| C 1283 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1284 | CHIP CAP.    | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | b3      |
| C 1286 | CHIP TA.CAP. | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | b2      |
| C 1288 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | a2      |
| C 1289 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 1290 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | b3      |
| C 1291 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1292 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C2      |
| C 1293 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1295 | CHIP CAP.    | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | b3      |
| C 1296 | CHIP CAP.    | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | C2      |
| C 1297 | CHIP CAP.    | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | C2      |
| C 1298 | CHIP TA.CAP. | 0.47uF   | 25V |      | TMCSA1E474MTRF     | K78140009 |       | 1-  | A    | B1      |
| C 1300 | CHIP CAP.    | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | C2      |
| C 1301 | CHIP CAP.    | 68pF     | 50V | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | D2      |
| C 1302 | CHIP CAP.    | 68pF     | 50V | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | D2      |
| C 1303 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1304 | CHIP CAP.    | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | C2      |
| C 1305 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f4      |
| C 1307 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f4      |
| C 1308 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1311 | CHIP TA.CAP. | 10uF     | 16V |      | TMCSA1C106MTRF     | K78120077 |       | 1-  | A    | B1      |
| C 1314 | CHIP CAP.    | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | a3      |
| C 1315 | CHIP CAP.    | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | a3      |
| C 1316 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1318 | CHIP TA.CAP. | 10uF     | 16V |      | TMCSA1C106MTRF     | K78120077 |       | 1-  | A    | B2      |
| C 1320 | CHIP CAP.    | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | D3      |
| C 1321 | CHIP CAP.    | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | B    | d3      |
| C 1322 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 1323 | CHIP CAP.    | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | D3      |
| C 1326 | CHIP CAP.    | 8pF      | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |       | 1-  | B    | d3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION  | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1327 | CHIP CAP.    | 1uF      | 16V | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | B    | a3      |
| C 1328 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | C3      |
| C 1329 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1330 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1331 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 1332 | CHIP CAP.    | 36pF     | 50V | CH   | GRM1882C1H360JA01D | K22174224 |       | 1-  | A    | D3      |
| C 1333 | CHIP CAP.    | 8pF      | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |       | 1-  | B    | d3      |
| C 1335 | CHIP CAP.    | 1uF      | 16V | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | B    | a3      |
| C 1337 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d3      |
| C 1338 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1339 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C3      |
| C 1342 | CHIP CAP.    | 1uF      | 16V | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | B    | a3      |
| C 1343 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D2      |
| C 1344 | CHIP CAP.    | 0.0082uF | 50V | B    | GRM188B11H822KA01D | K22174837 |       | 1-  | A    | C3      |
| C 1345 | CHIP TA.CAP. | 47uF     | 16V |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | A    | C1      |
| C 1346 | CHIP CAP.    | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | C3      |
| C 1347 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C3      |
| C 1348 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E3      |
| C 1349 | CHIP CAP.    | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | e3      |
| C 1350 | CHIP CAP.    | 9pF      | 50V | CH   | GRM1882C1H9R0DA01D | K22174210 |       | 1-  | A    | D2      |
| C 1351 | CHIP CAP.    | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | E3      |
| C 1353 | CHIP CAP.    | 1uF      | 16V | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | B    | a3      |
| C 1354 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1356 | CHIP CAP.    | 0.0082uF | 50V | B    | GRM188B11H822KA01D | K22174837 |       | 1-  | A    | C3      |
| C 1357 | CHIP CAP.    | 1uF      | 16V | B    | GRM21BB11C105KA01L | K22120809 |       | 1-  | B    | a3      |
| C 1358 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D2      |
| C 1359 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C3      |
| C 1360 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C3      |
| C 1362 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1363 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1366 | CHIP CAP.    | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1   | A    | C2      |
| C 1368 | CHIP CAP.    | 0.0082uF | 50V | B    | GRM188B11H822KA01D | K22174837 |       | 1-  | A    | C3      |
| C 1370 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E3      |
| C 1371 | CHIP CAP.    | 10uF     | 25V | B    | CM21X5R106K25AT    | K22148837 |       | 1-  | A    | C3      |
| C 1372 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D2      |
| C 1373 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D2      |
| C 1375 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1376 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C3      |
| C 1377 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B2      |
| C 1378 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d3      |
| C 1379 | CHIP CAP.    | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | C2      |
| C 1380 | CHIP CAP.    | 470pF    | 50V | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | B2      |
| C 1382 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B2      |
| C 1384 | CHIP TA.CAP. | 10uF     | 16V |      | TMCSA1C106MTRF     | K78120077 |       | 1-  | A    | C3      |
| C 1385 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C3      |
| C 1387 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103JA01D | K22174824 |       | 1-  | A    | B3      |
| C 1388 | CHIP CAP.    | 68pF     | 50V | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | C2      |
| C 1392 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | B    | d3      |
| C 1394 | CHIP CAP.    | 470pF    | 50V | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | C3      |
| C 1395 | CHIP TA.CAP. | 1uF      | 16V |      | TMCSA1C105MTRF     | K78120009 |       | 1-  | B    | e2      |
| C 1396 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | d3      |
| C 1397 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1398 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | e2      |
| C 1399 | CHIP TA.CAP. | 1uF      | 35V |      | TMCSA1V105MTRF     | K78160032 |       | 1-  | B    | f1      |
| C 1400 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B2      |
| C 1401 | CHIP CAP.    | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | B    | d3      |
| C 1402 | CHIP CAP.    | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | B2      |
| C 1403 | CHIP CAP.    | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | B2      |
| C 1405 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b3      |
| C 1407 | CHIP CAP.    | 27pF     | 50V | CH   | GRM1882C1H270JA01D | K22174221 |       | 1-  | A    | D3      |
| C 1408 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E2      |
| C 1409 | CHIP CAP.    | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | e3      |
| C 1410 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E2      |
| C 1411 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E2      |
| C 1412 | CHIP CAP.    | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C3      |
| C 1414 | CHIP CAP.    | 56pF     | 50V | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | A    | D3      |
| C 1415 | CHIP TA.CAP. | 1uF      | 35V |      | TMCSA1V105MTRF     | K78160032 |       | 1-  | A    | C3      |
| C 1416 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E2      |
| C 1417 | CHIP TA.CAP. | 10uF     | 16V |      | TMCSA1C106MTRF     | K78120077 |       | 1-  | B    | e2      |
| C 1418 | CHIP CAP.    | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B2      |
| C 1419 | CHIP CAP.    | 10pF     | 50V | CH   | GRM1882C1H100JA01D | K22174211 |       | 1-  | A    | C3      |
| C 1421 | CHIP CAP.    | 0.027uF  | 25V | B    | GRM188B11E273KA01D | K22144810 |       | 1-  | B    | e3      |
| C 1422 | CHIP CAP.    | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b3      |
| C 1423 | CHIP CAP.    | 15pF     | 50V | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | A    | B2      |
| C 1423 | CHIP CAP.    | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 3-  | A    | B2      |



# MAIN Unit Parts List

| REF    | DESCRIPTION     | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1424 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B2      |
| C 1425 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1427 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | B2      |
| C 1428 | CHIP CAP.       | 0.068uF  | 16V | B    | GRM188B11C683KA01D | K22124808 |       | 1-  | B    | e3      |
| C 1429 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1430 | AL.ELECTRO.CAP. | 100uF    | 16V |      | EEE1CA101WP        | K48120012 |       | 1-  | A    | B4      |
| C 1431 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1432 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e2      |
| C 1433 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1434 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | D3      |
| C 1435 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | D3      |
| C 1436 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1437 | CHIP CAP.       | 0.022uF  | 50V | B    | GRM188B11H223KA01D | K22174839 |       | 1-  | B    | e2      |
| C 1438 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D3      |
| C 1439 | CHIP CAP.       | 0.0039uF | 50V | CH   | GRM1882C1H392JA01D | K22174282 |       | 1-  | B    | e3      |
| C 1440 | AL.ELECTRO.CAP. | 100uF    | 16V |      | EEE1CA101WP        | K48120012 |       | 1-  | A    | B4      |
| C 1441 | CHIP CAP.       | 15pF     | 50V | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | A    | B2      |
| C 1441 | CHIP CAP.       | 47pF     | 50V | CH   | GRM1882C1H470JA01D | K22174227 |       | 4-  | A    | B2      |
| C 1442 | CHIP CAP.       | 0.0033uF | 50V | CH   | GRM1882C1H332JA01D | K22174281 |       | 1-  | B    | e2      |
| C 1443 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1444 | CHIP TA.CAP.    | 10uF     | 16V |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | A    | B4      |
| C 1445 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1446 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | e4      |
| C 1447 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | A    | B4      |
| C 1448 | CHIP TA.CAP.    | 0.1uF    | 35V |      | TMCSA1V104MTRF     | K78160025 |       | 1-  | A    | B4      |
| C 1449 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | B2      |
| C 1450 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | D3      |
| C 1451 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C4      |
| C 1452 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | D3      |
| C 1453 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B4      |
| C 1454 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e4      |
| C 1455 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B2      |
| C 1456 | CHIP CAP.       | 12pF     | 50V | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | C4      |
| C 1457 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c3      |
| C 1458 | CHIP CAP.       | 56pF     | 50V | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | A    | C4      |
| C 1459 | CHIP CAP.       | 39pF     | 50V | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | C4      |
| C 1459 | CHIP CAP.       | 47pF     | 50V | CH   | GRM1882C1H470JA01D | K22174227 |       | 4-  | A    | C4      |
| C 1460 | CHIP CAP.       | 1pF      | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |       | 1-  | A    | C4      |
| C 1461 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | c3      |
| C 1462 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1463 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | c3      |
| C 1464 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c3      |
| C 1465 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B4      |
| C 1466 | CHIP CAP.       | 10pF     | 50V | CH   | GRM1552C1H100BA01D | K22178297 |       | 1-  | A    | A2      |
| C 1467 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | D4      |
| C 1468 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B4      |
| C 1469 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | B    | e3      |
| C 1470 | CHIP TA.CAP.    | 47uF     | 16V |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | A    | D4      |
| C 1471 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1472 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | A2      |
| C 1473 | CHIP CAP.       | 10uF     | 25V | B    | CM21X5R106K25AT    | K22148837 |       | 1-  | A    | D3      |
| C 1474 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D3      |
| C 1475 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1476 | CHIP CAP.       | 1.5pF    | 50V | CK   | GRM1884C1H1R5CA01D | K22174258 |       | 1-  | A    | A2      |
| C 1476 | CHIP CAP.       | 1pF      | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |       | 3-  | A    | A2      |
| C 1476 | CHIP CAP.       | 1.5pF    | 50V | CK   | GRM1884C1H1R5CA01D | K22174258 |       | 11- | A    | A2      |
| C 1477 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | B4      |
| C 1478 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1479 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1480 | CHIP CAP.       | 27pF     | 50V | CH   | GRM1882C1H270JA01D | K22174221 |       | 1-  | A    | D4      |
| C 1481 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B4      |
| C 1482 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | e3      |
| C 1483 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1484 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D3      |
| C 1485 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | A2      |
| C 1486 | CHIP CAP.       | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | D4      |
| C 1487 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f1      |
| C 1488 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d4      |
| C 1489 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f4      |
| C 1490 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1491 | CHIP CAP.       | 27pF     | 50V | CH   | GRM1882C1H270JA01D | K22174221 |       | 1-  | A    | D4      |
| C 1492 | CHIP CAP.       | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | B3      |
| C 1493 | CHIP CAP.       | 1pF      | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |       | 1-  | A    | D4      |
| C 1494 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f3      |
| C 1495 | CHIP CAP.       | 39pF     | 50V | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | E3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION     | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1496 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | B2      |
| C 1497 | CHIP CAP.       | 5pF      | 50V | CH   | GRM1882C1H5R0CA01D | K22174206 |       | 1-  | A    | E3      |
| C 1498 | CHIP CAP.       | 39pF     | 50V | CH   | GRM1882C1H390JA01D | K22174225 |       | 1-  | A    | E3      |
| C 1499 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E3      |
| C 1500 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | g3      |
| C 1501 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1502 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | f3      |
| C 1503 | CHIP CAP.       | 5pF      | 50V | CH   | GRM1882C1H5R0CA01D | K22174206 |       | 1-  | A    | E3      |
| C 1504 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B2      |
| C 1505 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1506 | CHIP CAP.       | 390pF    | 50V | CH   | GRM1882C1H391JA01D | K22174255 |       | 1-  | B    | f1      |
| C 1507 | CHIP CAP.       | 0.0068uF | 50V | B    | GRM188B11H682KA01D | K22174819 |       | 1-  | B    | f1      |
| C 1508 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1509 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B3      |
| C 1510 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d4      |
| C 1512 | CHIP CAP.       | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | A    | A2      |
| C 1513 | CHIP CAP.       | 0.0027uF | 50V | B    | GRM188B11H272KA01D | K22174814 |       | 1-  | B    | f1      |
| C 1514 | CHIP CAP.       | 390pF    | 50V | CH   | GRM1882C1H391JA01D | K22174255 |       | 1-  | B    | g3      |
| C 1515 | CHIP CAP.       | 0.0068uF | 50V | B    | GRM188B11H682KA01D | K22174819 |       | 1-  | B    | g3      |
| C 1516 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | c3      |
| C 1517 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1518 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1519 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1520 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1521 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F3      |
| C 1522 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c3      |
| C 1523 | CHIP CAP.       | 82pF     | 50V | CH   | GRM1882C1H820JA01D | K22174233 |       | 1-  | A    | C4      |
| C 1524 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D4      |
| C 1525 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D4      |
| C 1526 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | g2      |
| C 1527 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1528 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1529 | CHIP CAP.       | 82pF     | 50V | CH   | GRM1882C1H820JA01D | K22174233 |       | 1-  | A    | C4      |
| C 1530 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C4      |
| C 1531 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1532 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | f1      |
| C 1533 | CHIP CAP.       | 8pF      | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |       | 1-  | A    | E3      |
| C 1534 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | E3      |
| C 1535 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | e2      |
| C 1536 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | e2      |
| C 1537 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e2      |
| C 1538 | CHIP CAP.       | 1pF      | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |       | 1-  | A    | E3      |
| C 1539 | CHIP CAP.       | 7pF      | 50V | CH   | GRM1882C1H7R0DA01D | K22174208 |       | 1-  | A    | E3      |
| C 1540 | CHIP CAP.       | 47pF     | 50V | CH   | GRM1882C1H470JA01D | K22174227 |       | 1-  | A    | F3      |
| C 1541 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1543 | CHIP CAP.       | 7pF      | 50V | CH   | GRM1882C1H7R0DA01D | K22174208 |       | 1-  | A    | E3      |
| C 1544 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D4      |
| C 1546 | CHIP CAP.       | 0.0027uF | 50V | B    | GRM188B11H272KA01D | K22174814 |       | 1-  | B    | g2      |
| C 1547 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | e1      |
| C 1548 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | e1      |
| C 1549 | CHIP CAP.       | 10pF     | 50V | CH   | GRM1882C1H100JA01D | K22174211 |       | 1   | A    | B4      |
| C 1549 | CHIP CAP.       | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 2-  | A    | B4      |
| C 1550 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d4      |
| C 1551 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1552 | CHIP CAP.       | 9pF      | 50V | CH   | GRM1882C1H9R0DA01D | K22174210 |       | 1-  | A    | E3      |
| C 1553 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | E3      |
| C 1554 | CHIP CAP.       | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | e2      |
| C 1555 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1556 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | f2      |
| C 1557 | CHIP CAP.       | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | e2      |
| C 1558 | CHIP TA.CAP.    | 10uF     | 16V |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | A    | B4      |
| C 1559 | CHIP CAP.       | 10pF     | 50V | CH   | GRM1882C1H100JA01D | K22174211 |       | 1-  | A    | B4      |
| C 1560 | CHIP CAP.       | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | B    | f3      |
| C 1561 | CHIP TA.CAP.    | 0.47uF   | 25V |      | TMCSA1E474MTRF     | K78140009 |       | 1-  | B    | b3      |
| C 1562 | CHIP TA.CAP.    | 47uF     | 16V |      | TMCMA1C476MTRF     | K78120057 |       | 1-  | B    | d4      |
| C 1563 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | e2      |
| C 1564 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1566 | CHIP CAP.       | 0.047uF  | 25V | B    | GRM188B11E473KA01D | K22144811 |       | 1-  | B    | b3      |
| C 1567 | CHIP TA.CAP.    | 1uF      | 35V |      | TMCMA1V105MTRF     | K78160032 |       | 1-  | A    | B4      |
| C 1568 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B4      |
| C 1569 | CHIP TA.CAP.    | 1uF      | 25V |      | TMCMA1E105MTRF     | K78140013 |       | 1-  | B    | f2      |
| C 1570 | CHIP CAP.       | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | A    | C4      |
| C 1572 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | B    | f1      |
| C 1574 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b3      |
| C 1575 | AL.ELECTRO.CAP. | 47uF     | 16V |      | EEE1CA470WR        | K48120025 |       | 1-  | A    | F3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION     | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1576 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B4      |
| C 1577 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1578 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1579 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1580 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | b3      |
| C 1581 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1582 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f2      |
| C 1583 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f1      |
| C 1584 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | e2      |
| C 1585 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | E3      |
| C 1586 | CHIP CAP.       | 68pF     | 50V | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | F3      |
| C 1587 | CHIP TA.CAP.    | 47uF     | 16V |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | B    | f2      |
| C 1588 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e2      |
| C 1590 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F3      |
| C 1591 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | f2      |
| C 1592 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c4      |
| C 1593 | CHIP CAP.       | 330pF    | 50V | CH   | GRM1882C1H331JA01D | K22174253 |       | 1-  | B    | b3      |
| C 1594 | CHIP TA.CAP.    | 1uF      | 35V |      | TMCMA1V105MTRF     | K78160032 |       | 1-  | A    | B5      |
| C 1595 | CHIP TA.CAP.    | 1uF      | 25V |      | TMCMA1E105MTRF     | K78140013 |       | 1-  | A    | E3      |
| C 1596 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b3      |
| C 1597 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c3      |
| C 1598 | AL.ELECTRO.CAP. | 47uF     | 16V |      | EEE1CA470WR        | K48120025 |       | 1-  | A    | A3      |
| C 1599 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b3      |
| C 1600 | CHIP CAP.       | 15pF     | 50V | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | A    | F3      |
| C 1601 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1602 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1603 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1604 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1605 | CHIP TA.CAP.    | 10uF     | 16V |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | A    | B4      |
| C 1606 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e2      |
| C 1607 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c3      |
| C 1608 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A3      |
| C 1609 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E4      |
| C 1610 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1611 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E3      |
| C 1612 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | B    | e1      |
| C 1613 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f2      |
| C 1614 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJJC476M016RNJ    | K78120125 |       | 1-  | B    | e2      |
| C 1615 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | f3      |
| C 1616 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F4      |
| C 1617 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1618 | CHIP CAP.       | 47pF     | 50V | CH   | GRM1882C1H470JA01D | K22174227 |       | 1-  | A    | C4      |
| C 1619 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJJC476M016RNJ    | K78120125 |       | 1-  | B    | e1      |
| C 1620 | CHIP TA.CAP.    | 220uF    | 4V  |      | TMCMBOG227MTRF     | K78060052 |       | 1-  | B    | f3      |
| C 1621 | CHIP TA.CAP.    | 220uF    | 4V  |      | TMCMBOG227MTRF     | K78060052 |       | 1-  | B    | f3      |
| C 1623 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f2      |
| C 1624 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | A    | A3      |
| C 1625 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f1      |
| C 1626 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1627 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E3      |
| C 1628 | CHIP TA.CAP.    | 4.7uF    | 16V |      | TMCMA1C475MTRF     | K78120031 |       | 1-  | A    | B3      |
| C 1629 | CHIP CAP.       | 0.0033uF | 50V | B    | GRM188B11H332KA01D | K22174815 |       | 1-  | B    | e2      |
| C 1630 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A3      |
| C 1631 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1632 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1633 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1634 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b3      |
| C 1635 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1636 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1637 | AL.ELECTRO.CAP. | 100uF    | 16V |      | EEE1CA101WP        | K48120012 |       | 1-  | A    | B3      |
| C 1638 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | A3      |
| C 1639 | CHIP CAP.       | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | A    | F4      |
| C 1640 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 1641 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | A3      |
| C 1642 | CHIP CAP.       | 470pF    | 50V | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | F3      |
| C 1643 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1644 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | C4      |
| C 1645 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | f1      |
| C 1646 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | B3      |
| C 1647 | CHIP CAP.       | 1uF      | 16V | B    | C1608JB1C105KT     | K22124813 |       | 1-  | B    | e2      |
| C 1648 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F3      |
| C 1649 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1650 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e2      |
| C 1651 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b4      |
| C 1652 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |



# MAIN Unit Parts List

| REF    | DESCRIPTION     | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1653 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1654 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F3      |
| C 1655 | CHIP CAP.       | 1pF      | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |       | 1-  | A    | C4      |
| C 1656 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1657 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | C4      |
| C 1658 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1659 | CHIP TA.CAP.    | 47uF     | 16V |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | B    | f1      |
| C 1660 | CHIP TA.CAP.    | 4.7uF    | 16V |      | TMCMC1C475MTRF     | K78120031 |       | 1-  | A    | B3      |
| C 1663 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E4      |
| C 1664 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b4      |
| C 1665 | CHIP CAP.       | 47pF     | 50V | CH   | GRM1882C1H470JA01D | K22174227 |       | 1-  | A    | C4      |
| C 1667 | CHIP CAP.       | 12pF     | 50V | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | F4      |
| C 1668 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | B3      |
| C 1669 | CHIP TA.CAP.    | 1uF      | 35V |      | TMCMC1V105MTRF     | K78160032 |       | 1-  | A    | B3      |
| C 1670 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B3      |
| C 1672 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809 |       | 1-  | A    | F4      |
| C 1673 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b4      |
| C 1674 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | f1      |
| C 1676 | CHIP CAP.       | 0.0033uF | 50V | B    | GRM188B11H332KA01D | K22174815 |       | 1-  | B    | b4      |
| C 1677 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b4      |
| C 1678 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1679 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B3      |
| C 1680 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f1      |
| C 1681 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | f1      |
| C 1682 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b4      |
| C 1684 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | f1      |
| C 1685 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b4      |
| C 1686 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | D4      |
| C 1687 | CHIP CAP.       | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | B    | b4      |
| C 1688 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b4      |
| C 1689 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B3      |
| C 1690 | CHIP CAP.       | 33pF     | 50V | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | B3      |
| C 1691 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1692 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | B3      |
| C 1693 | CHIP TA.CAP.    | 220uF    | 4V  |      | TMCMBOG227MTRF     | K78060052 |       | 1-  | B    | g2      |
| C 1693 | CHIP TA.CAP.    | 10uF     | 16V |      | TMCMC1C106MTRF     | K78120077 |       | 3-  | B    | g2      |
| C 1694 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | b4      |
| C 1695 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | b4      |
| C 1696 | CHIP CAP.       | 150pF    | 50V | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | A2      |
| C 1697 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | b4      |
| C 1698 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b4      |
| C 1699 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | b4      |
| C 1700 | CHIP CAP.       | 470pF    | 50V | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | D4      |
| C 1702 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b4      |
| C 1703 | CHIP CAP.       | 470pF    | 50V | CH   | GRM1882C1H471JA01D | K22174249 |       | 1-  | A    | A2      |
| C 1704 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 1705 | CHIP TA.CAP.    | 47uF     | 16V |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | B    | g1      |
| C 1706 | CHIP CAP.       | 0.0068uF | 50V | B    | GRM188B11H682KA01D | K22174819 |       | 1-  | B    | b4      |
| C 1707 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B3      |
| C 1708 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1709 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | g1      |
| C 1710 | CHIP CAP.       | 22pF     | 50V | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | D4      |
| C 1711 | CHIP CAP.       | 9pF      | 50V | CH   | GRM1882C1H9R0DA01D | K22174210 |       | 1-  | A    | F4      |
| C 1712 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | f1      |
| C 1713 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1714 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | A    | F1      |
| C 1715 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C2      |
| C 1716 | CHIP TA.CAP.    | 47uF     | 16V |      | TMCMC1C476MTRF     | K78120057 |       | 1-  | B    | g1      |
| C 1717 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | C3      |
| C 1718 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F2      |
| C 1719 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | A2      |
| C 1720 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A1      |
| C 1721 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 1722 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | A    | A1      |
| C 1723 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B2      |
| C 1724 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A1      |
| C 1725 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | a2      |
| C 1726 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | B2      |
| C 1728 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F5      |
| C 1729 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B1      |
| C 1730 | CHIP CAP.       | 100pF    | 50V | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | a1      |
| C 1731 | AL.ELECTRO.CAP. | 1000uF   | 25V |      | 25CE1000BS         | K48140025 |       | 1-  | A    | B1      |
| C 1732 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a2      |
| C 1733 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | B3      |
| C 1734 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | B1      |

# MAIN Unit Parts List

| REF    | DESCRIPTION     | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1735 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B1      |
| C 1736 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a2      |
| C 1737 | AL.ELECTRO.CAP. | 470uF    | 16V |      | 16CE470BS          | K48120035 |       | 1-  | A    | A1      |
| C 1738 | CHIP CAP.       | 0.022uF  | 50V | B    | GRM188B11H223KA01D | K22174839 |       | 1-  | A    | C4      |
| C 1739 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1740 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1741 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A3      |
| C 1742 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 1743 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C4      |
| C 1744 | AL.ELECTRO.CAP. | 470uF    | 16V |      | 16CE470BS          | K48120035 |       | 1-  | A    | A1      |
| C 1745 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1746 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f2      |
| C 1747 | AL.ELECTRO.CAP. | 1000uF   | 25V |      | 25CE1000BS         | K48140025 |       | 1-  | A    | B2      |
| C 1749 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A3      |
| C 1750 | CHIP TA.CAP.    | 100uF    | 10V |      | TMCMC1A107MTRF     | K78100075 |       | 1-  | B    | f2      |
| C 1751 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1752 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 1753 | AL.ELECTRO.CAP. | 100uF    | 16V |      | EEE1CA101WP        | K48120012 |       | 1-  | A    | A2      |
| C 1754 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 1755 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a1      |
| C 1756 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 1757 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 1758 | CHIP CAP.       | 1uF      | 25V | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | B    | a1      |
| C 1759 | CHIP CAP.       | 10pF     | 50V | CH   | GRM1882C1H100JA01D | K22174211 |       | 1-  | A    | E4      |
| C 1760 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 1761 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1762 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 1764 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 1765 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 1766 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D4      |
| C 1767 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D4      |
| C 1768 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1769 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D4      |
| C 1770 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E4      |
| C 1771 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 1773 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | f2      |
| C 1774 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 1775 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f1      |
| C 1776 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 1777 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F4      |
| C 1778 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E5      |
| C 1779 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F4      |
| C 1780 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | g2      |
| C 1781 | CHIP CAP.       | 0.039uF  | 16V | B    | GRM188B11C393KA01  | K22124806 |       | 1-  | A    | A2      |
| C 1782 | CHIP CAP.       | 9pF      | 50V | CH   | GRM1882C1H9R0DA01D | K22174210 |       | 1-  | A    | D4      |
| C 1783 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E4      |
| C 1784 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | A    | A3      |
| C 1785 | CHIP CAP.       | 0.022uF  | 50V | B    | GRM188B11H223KA01D | K22174839 |       | 1-  | A    | A2      |
| C 1786 | CHIP CAP.       | 82pF     | 50V | CH   | GRM1882C1H820JA01D | K22174233 |       | 1-  | A    | D4      |
| C 1787 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E4      |
| C 1788 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | A    | A3      |
| C 1789 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 1790 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 1791 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A3      |
| C 1792 | CHIP CAP.       | 0.0033uF | 50V | CH   | GRM1882C1H332JA01D | K22174281 |       | 1-  | A    | A2      |
| C 1793 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1794 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1795 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | g2      |
| C 1796 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | g1      |
| C 1797 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f2      |
| C 1798 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D4      |
| C 1799 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f2      |
| C 1800 | CHIP CAP.       | 0.0022uF | 50V | CH   | GRM1882C1H222JA01D | K22174279 |       | 1-  | A    | A2      |
| C 1802 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A3      |
| C 1803 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a4      |
| C 1805 | CHIP CAP.       | 0.022uF  | 50V | B    | GRM188B11H223KA01D | K22174839 |       | 1-  | A    | A2      |
| C 1806 | CHIP CAP.       | 0.0022uF | 50V | CH   | GRM1882C1H222JA01D | K22174279 |       | 1-  | A    | A2      |
| C 1807 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f2      |
| C 1809 | CHIP CAP.       | 0.022uF  | 50V | B    | GRM188B11H223KA01D | K22174839 |       | 1-  | A    | A2      |
| C 1810 | CHIP CAP.       | 0.022uF  | 50V | B    | GRM188B11H223KA01D | K22174839 |       | 1-  | A    | A1      |
| C 1811 | CHIP TA.CAP.    | 10uF     | 16V |      | TMCMA1C106MTRF     | K78120077 |       | 1-  | B    | f2      |
| C 1812 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | F4      |
| C 1813 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b3      |
| C 1814 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | B    | b3      |
| C 1815 | CHIP TA.CAP.    | 47uF     | 16V |      | TAJCA476M016RNJ    | K78120125 |       | 1-  | B    | b3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION     | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1816 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B2      |
| C 1817 | CHIP CAP.       | 10uF     | 25V | B    | GRM188R61E106MA73D | K22144818 |       | 1-  | A    | A3      |
| C 1818 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 1819 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A3      |
| C 1820 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C2      |
| C 1827 | AL.ELECTRO.CAP. | 100uF    | 16V |      | EEE1CA101WP        | K48120012 |       | 1-  | A    | B3      |
| C 1831 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f2      |
| C 1832 | CHIP CAP.       | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | A    | F3      |
| C 1833 | CHIP CAP.       | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | A    | F3      |
| C 1834 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM155B31E104KA87D | K22148838 |       | 1-  | B    | a3      |
| C 1835 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809 |       | 1-  | A    | F3      |
| C 1836 | CHIP CAP.       | 3pF      | 50V | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | A    | F2      |
| C 1837 | CHIP CAP.       | 2pF      | 50V | CK   | GRM1884C1H2R0BA01D | K22174272 |       | 1-  | A    | F2      |
| C 1838 | CHIP CAP.       | 2pF      | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |       | 1-  | A    | F4      |
| C 1841 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E5      |
| C 1843 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | E4      |
| C 1844 | CHIP CAP.       | 5pF      | 50V | CH   | GRM1882C1H5R0CA01D | K22174206 |       | 1-  | A    | C1      |
| C 1845 | CHIP CAP.       | 5pF      | 50V | CH   | GRM1882C1H5R0CA01D | K22174206 |       | 1-  | A    | C1      |
| C 1845 | CHIP CAP.       | 6pF      | 50V | CH   | GRM1882C1H6R0CA01D | K22174244 |       | 3-  | A    | C1      |
| C 1846 | CHIP CAP.       | 10pF     | 50V | CH   | GRM1882C1H100JA01D | K22174211 |       | 1-  | A    | C1      |
| C 1846 | CHIP CAP.       | 8pF      | 50V | CH   | GRM1882C1H8R0CA01D | K22174246 |       | 3-  | A    | C1      |
| C 1847 | CHIP CAP.       | 12pF     | 50V | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | C1      |
| C 1847 | CHIP CAP.       | 13pF     | 50V | CH   | GRM1882C1H130JA01D | K22174214 |       | 3-  | A    | C1      |
| C 1848 | CHIP CAP.       | 4pF      | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | A    | C1      |
| C 1850 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | d1      |
| C 1851 | CHIP CAP.       | 0.001uF  | 50V | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | d1      |
| C 1852 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E4      |
| C 1853 | CHIP CAP.       | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | A    | A2      |
| C 1854 | CHIP CAP.       | 3pF      | 50V | CJ   | GRM1553C1H3R0BA01D | K22178290 |       | 1-  | A    | B2      |
| C 1855 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | A    | D3      |
| C 1856 | CHIP CAP.       | 18pF     | 50V | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | B    | d3      |
| C 1858 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E3      |
| C 1859 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e4      |
| C 1860 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | B    | a4      |
| C 1861 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e2      |
| C 1861 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 3-  | B    | e2      |
| C 1863 | CHIP CAP.       | 12pF     | 50V | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | C1      |
| C 1864 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e2      |
| C 1866 | CHIP CAP.       | 1uF      | 25V | B    | GRM188B31E105KA75D | K22144815 |       | 1-  | B    | b1      |
| C 1867 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | b1      |
| C 1869 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D3      |
| C 1870 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 1871 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1872 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1873 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1874 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1875 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1876 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1877 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1878 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1880 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1881 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | d2      |
| C 1882 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | d2      |
| C 1883 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c2      |
| C 1884 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c2      |
| C 1887 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F1      |
| C 1888 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F1      |
| C 1889 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | c1      |
| C 1890 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | c1      |
| C 1891 | CHIP CAP.       | 120pF    | 50V | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | A    | B3      |
| C 1893 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | g1      |
| C 1894 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F4      |
| C 1895 | CHIP CAP.       | 0.01uF   | 50V | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | g1      |
| C 1896 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | g3      |
| C 1897 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | g3      |
| C 1898 | CHIP CAP.       | 56pF     | 50V | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | A    | D4      |
| C 1901 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e4      |
| C 1902 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e4      |
| C 1903 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e3      |
| C 1904 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e3      |
| C 1905 | CHIP CAP.       | 0.001uF  | 50V | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e3      |
| C 1906 | CHIP CAP.       | 0.1uF    | 25V | B    | GRM188B11E104KA01D | K22144814 |       | 3-  | A    | A2      |
| C 1911 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 3-  | A    | D4      |
| C 1912 | CHIP CAP.       | 0.0047uF | 50V | B    | GRM188B11H472KA01D | K22174817 |       | 7-  | B    | e2      |
| C 1913 | CHIP CAP.       | 7pF      | 50V | CH   | GRM1882C1H7R0CA01D | K22174245 |       | 4-6 | A    | E2      |



# MAIN Unit Parts List

| REF    | DESCRIPTION    | VALUE | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|----------------|-------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 1914 | CHIP CAP.      | 7pF   | 50V | CH   | GRM1882C1H7R0CA01D | K22174245 |       | 4-6 | A    | E2      |
| CD1001 | CERAMIC DISC   |       |     |      | JTBM450CX24-A      | H7901530A |       | 1-  | B    | b4      |
| CF1001 | CERAMIC FILTER |       |     |      | LTWC450E-A         | H3900565A |       | 1-  | A    | E4      |
| CF1002 | CERAMIC FILTER |       |     |      | LTWC450G           | H3900562  |       | 1-  | A    | E4      |
| D 1001 | DIODE          |       |     |      | RKZ6.8ZMFAKT P1    | G2070978  |       | 1-  | A    | F3      |
| D 1002 | SURGE ABSORBER |       |     |      | 1608SGXA2-TR2      | Q9000891  |       | 1-  | A    | F1      |
| D 1003 | DIODE          |       |     |      | 1SS302(TE85R.F)    | G2070088  |       | 1-  | A    | E1      |
| D 1004 | DIODE          |       |     |      | 1SS372(TE85R.F)    | G2070632  |       | 1-  | B    | b1      |
| D 1005 | DIODE          |       |     |      | 1SV281(TPH3.F)     | G2070620  |       | 1-  | A    | F2      |
| D 1006 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | b1      |
| D 1007 | DIODE          |       |     |      | 1SV281(TPH3.F)     | G2070620  |       | 1-  | A    | F2      |
| D 1008 | DIODE          |       |     |      | BAS316             | G2070716  |       | 1-  | B    | b1      |
| D 1009 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | D1      |
| D 1010 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | D1      |
| D 1011 | DIODE          |       |     |      | DAN235U TL         | G2070176  |       | 1-  | A    | F2      |
| D 1012 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | b2      |
| D 1013 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | b2      |
| D 1014 | DIODE          |       |     |      | 1SV281(TPH3.F)     | G2070620  |       | 1-  | A    | D1      |
| D 1015 | DIODE          |       |     |      | DAP236U T106       | G2070592  |       | 1-  | A    | D1      |
| D 1015 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 4-  | A    | D1      |
| D 1016 | DIODE          |       |     |      | 1SV281(TPH3.F)     | G2070620  |       | 1-  | A    | D1      |
| D 1017 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E1      |
| D 1018 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E1      |
| D 1019 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E1      |
| D 1020 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D1      |
| D 1021 | DIODE          |       |     |      | 1SV323(TPH3.F)     | G2071006  |       | 1-  | A    | D2      |
| D 1022 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | f4      |
| D 1023 | DIODE          |       |     |      | 1SV323(TPH3.F)     | G2071006  |       | 1-  | A    | D2      |
| D 1024 | DIODE          |       |     |      | DAN202U T106       | G2070162  |       | 1-  | A    | B1      |
| D 1025 | DIODE          |       |     |      | UDZS TE-17 8.2B    | G2070890  |       | 1-  | A    | C1      |
| D 1026 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E2      |
| D 1027 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E2      |
| D 1028 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E2      |
| D 1029 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D2      |
| D 1030 | DIODE          |       |     |      | 1SV323(TPH3.F)     | G2071006  |       | 1-  | A    | C2      |
| D 1031 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | B1      |
| D 1032 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | B2      |
| D 1033 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | C1      |
| D 1034 | DIODE          |       |     |      | UDZS TE-17 6.2B    | G2070912  |       | 1-  | A    | B1      |
| D 1035 | DIODE          |       |     |      | DAP236U T106       | G2070592  |       | 1-  | A    | C2      |
| D 1035 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 4-  | A    | C2      |
| D 1036 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | C2      |
| D 1037 | DIODE          |       |     |      | SMS3928-023LF      | G2071442  |       | 1-  | A    | C2      |
| D 1038 | DIODE          |       |     |      | RN731V TE-17       | G2070898  |       | 1-  | A    | C3      |
| D 1039 | DIODE          |       |     |      | RN731V TE-17       | G2070898  |       | 1-  | A    | C3      |
| D 1040 | DIODE          |       |     |      | RN731V TE-17       | G2070898  |       | 1-  | A    | C3      |
| D 1041 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | E3      |
| D 1042 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | E3      |
| D 1043 | DIODE          |       |     |      | DAN217U T106       | G2071236  |       | 1-  | B    | e2      |
| D 1044 | DIODE          |       |     |      | JDP2S04E(TAPE)     | G2071180  |       | 1-  | A    | B2      |
| D 1045 | DIODE          |       |     |      | HSM198S TR-E       | G2070570  |       | 1-  | A    | C3      |
| D 1046 | DIODE          |       |     |      | 1SV325(TPH3.F)     | G2070848  |       | 1-  | A    | C4      |
| D 1047 | DIODE          |       |     |      | 1SV323(TPH3.F)     | G2071006  |       | 1-  | A    | C4      |
| D 1048 | DIODE          |       |     |      | DAP236U T106       | G2070592  |       | 1-  | A    | B2      |
| D 1048 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 3-  | A    | B2      |
| D 1049 | DIODE          |       |     |      | UDZS TE-17 6.8B    | G2070888  |       | 1-  | B    | c3      |
| D 1050 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | A2      |
| D 1051 | DIODE          |       |     |      | UDZS TE-17 6.8B    | G2070888  |       | 1-  | B    | d4      |
| D 1052 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | e1      |
| D 1053 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | b3      |
| D 1054 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | e1      |
| D 1055 | DIODE          |       |     |      | DA221 TL           | G2070178  |       | 1-  | B    | b3      |
| D 1056 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | e1      |
| D 1057 | DIODE          |       |     |      | DAP222-TL          | G2070432  |       | 1-  | A    | E4      |
| D 1058 | DIODE          |       |     |      | JDP2S04E(TAPE)     | G2071180  |       | 1-  | A    | F4      |
| D 1059 | DIODE          |       |     |      | DAP222-TL          | G2070432  |       | 1-  | A    | E4      |
| D 1060 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | b4      |
| D 1062 | DIODE          |       |     |      | SMS3928-023LF      | G2071442  |       | 1-  | A    | F4      |
| D 1063 | DIODE          |       |     |      | D1F60-5053         | G2071240  |       | 1-  | A    | F2      |
| D 1064 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | f4      |
| D 1065 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | f4      |
| D 1066 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | F4      |
| D 1067 | DIODE          |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E4      |
| D 1069 | DIODE          |       |     |      | SMS3928-023LF      | G2071442  |       | 1-  | A    | D4      |
| D 1070 | DIODE          |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | A1      |

# MAIN Unit Parts List

| REF    | DESCRIPTION   | VALUE | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|-------|-----|------|--------------------|-----------|-------|-----|------|---------|
| D 1071 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | a1      |
| D 1072 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | A1      |
| D 1073 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | A2      |
| D 1074 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | F4      |
| D 1075 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E4      |
| D 1076 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D4      |
| D 1077 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | a1      |
| D 1078 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | F4      |
| D 1079 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | B2      |
| D 1080 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | B2      |
| D 1081 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | F3      |
| D 1082 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | A4      |
| D 1083 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | A4      |
| D 1085 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | E5      |
| D 1086 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | F3      |
| D 1087 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | f4      |
| D 1088 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | f4      |
| D 1089 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | F1      |
| D 1090 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | F1      |
| D 1091 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E1      |
| D 1092 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E1      |
| D 1093 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D2      |
| D 1094 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D2      |
| D 1095 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | b1      |
| D 1096 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E3      |
| D 1097 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D2      |
| D 1098 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D2      |
| D 1099 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D2      |
| D 1100 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | E2      |
| D 1101 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | c3      |
| D 1102 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D3      |
| D 1103 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D3      |
| D 1104 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D3      |
| D 1105 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 1-  | A    | D3      |
| D 1106 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | d2      |
| D 1107 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 2-  | A    | A2      |
| D 1108 | DIODE         |       |     |      | 1SS355 TE-17       | G2070470  |       | 3-  | A    | C2      |
| D 1109 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 4-  | A    | A2      |
| D 1110 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 3-  | A    | B2      |
| D 1111 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 4-  | A    | D1      |
| D 1112 | DIODE         |       |     |      | RN142S TE61        | G2070994  |       | 4-  | A    | C2      |
| F 1001 | CHIP FUSE     | 3.15A |     |      | KAB2402-322NA31010 | Q0000087  |       | 1-  | A    | F1      |
| FB1001 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | F3      |
| FB1002 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | F3      |
| FB1003 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | B    | a3      |
| FB1004 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | F2      |
| FB1005 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | B    | a4      |
| FB1006 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | B    | b4      |
| FB1007 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | B    | a4      |
| FB1008 | CHIP COIL     |       |     |      | BLM21PG300SN1D     | L1690840  |       | 1-  | A    | B1      |
| FB1009 | CHIP COIL     |       |     |      | BLM21PG300SN1D     | L1690840  |       | 1-  | A    | B2      |
| FB1010 | FERRITE BEADS |       |     |      | BLM18BD182SN1D     | L1690602  |       | 1-  | B    | a2      |
| FB1011 | FERRITE BEADS |       |     |      | BLM18BD182SN1D     | L1690602  |       | 1-  | B    | a1      |
| FB1012 | FERRITE BEADS |       |     |      | BLM18BD182SN1D     | L1690602  |       | 1-  | B    | a4      |
| FB1013 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1014 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1015 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1016 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1017 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1018 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1019 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1020 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1021 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1022 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1023 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1024 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1025 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1026 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1027 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1028 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1029 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A3      |
| FB1030 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A4      |
| FB1031 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A4      |
| FB1032 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A4      |
| FB1033 | FERRITE BEADS |       |     |      | BLM18BD601SN1D     | L9190143  |       | 1-  | A    | A4      |

# MAIN Unit Parts List

| REF    | DESCRIPTION   | VALUE    | V/W | TOL. | MFR'S DESIG             | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|----------|-----|------|-------------------------|-----------|-------|-----|------|---------|
| FB1034 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1035 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1036 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1037 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1038 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1039 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1040 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1041 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1042 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1043 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1044 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1045 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1046 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1047 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1048 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1049 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1050 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1051 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1052 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1053 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1054 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1055 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1056 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1057 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1058 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1059 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1060 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| FB1061 | FERRITE BEADS |          |     |      | BLM18BD182SN1D          | L1690602  |       | 1-  | B    | a4      |
| FB1062 | FERRITE BEADS |          |     |      | BLM18BD601SN1D          | L9190143  |       | 1-  | A    | A4      |
| J 1001 | CONNECTOR     |          |     |      | TMP-S01X-C1             | P1091254  |       | 1-  | A    | F1      |
| J 1002 | CONNECTOR     |          |     |      | TMP-S01X-C1             | P1091254  |       | 1-  | A    | F2      |
| J 1003 | CONNECTOR     |          |     |      | TMP-S01X-C1             | P1091254  |       | 1-  | A    | F1      |
| J 1004 | CONNECTOR     |          |     |      | TMP-S01X-C1             | P1091254  |       | 1-  | A    | B1      |
| J 1005 | CONNECTOR     |          |     |      | CMS1410-016010          | P0091349  |       | 1-  | A    | G3      |
| J 1006 | CONNECTOR     |          |     |      | SB20-03WS               | P0090610  |       | 1-  | A    | B1      |
| J 1007 | CONNECTOR     |          |     |      | 1210-062-09P-AAE        | P0091571  |       | 1-  | A    | G3      |
| J 1008 | CONNECTOR     |          |     |      | 30FLT-SM2-TB(LF)(SN)(M) | P1091142  |       | 1-  | A    | A3      |
| J 1009 | CONNECTOR     |          |     |      | 30FLT-SM2-TB(LF)(SN)(M) | P1091142  |       | 1-  | A    | A4      |
| J 1011 | CONNECTOR     |          |     |      | SB20-02WS               | P0090609  |       | 1-  | A    | A3      |
| J 1012 | CONNECTOR     |          |     |      | MDJ-008-RS01/1-AGZ      | P1091464  |       | 1-  | A    | G1      |
| J 1013 | CONNECTOR     |          |     |      | MDJ-006-RS01/1-AGZ      | P1091463  |       | 1-  | A    | G1      |
| J 1014 | CONNECTOR     |          |     |      | SB20-11WS               | P0090618  |       | 1-  | A    | A3      |
| J 1015 | CONNECTOR     |          |     |      | SC25-02WS               | P0090621  |       | 1-  | A    | A1      |
| J 1016 | CONNECTOR     |          |     |      | YKB21-5296N             | P1091233  |       | 1-  | A    | G4      |
| J 1017 | CONNECTOR     |          |     |      | SB20-03WS               | P0090610  |       | 1-  | A    | A1      |
| J 1018 | CONNECTOR     |          |     |      | SB20-05WS               | P0090612  |       | 1-  | A    | A2      |
| J 1019 | CONNECTOR     |          |     |      | YKB21-5295V             | P1091443  |       | 1-  | A    | G4      |
| J 1020 | TERMINAL      |          |     |      | P07                     | Q5000166  |       | 1-  | A    | C3      |
| J 1021 | TERMINAL      |          |     |      | P07                     | Q5000166  |       | 1-  | A    | C5      |
| J 1022 | TERMINAL      |          |     |      | P07                     | Q5000166  |       | 1-  | A    | A3      |
| J 1023 | TERMINAL      |          |     |      | P07                     | Q5000166  |       | 1-  | A    | A5      |
| J 1024 | CONNECTOR     |          |     |      | IMSA6065B-14-Z054PT1    | P0091592  |       | 1-  | A    | C4      |
| J 1025 | CONNECTOR     |          |     |      | IMSA6065B-07-Z054PT1    | P0091590  |       | 1-  | A    | B5      |
| JP1001 | WIRE ASSY     |          |     |      | GRA 120 */*             | T9318366  |       | 1-  |      |         |
| JP1002 | WIRE ASSY     |          |     |      | GRA 150 */*             | T9318368  |       | 1-  |      |         |
| JP1003 | WIRE ASSY     |          |     |      | GRA 120 */*             | T9318366  |       | 1-  |      |         |
| JP1010 | WIRE ASSY     |          |     |      | GRN 30 2/2              | T50503000 |       | 1-2 |      |         |
| JP1011 | WIRE ASSY     |          |     |      | GRN 20 2/2              | T50502000 |       | 1-2 |      |         |
| JP1012 | WIRE ASSY     |          |     |      | GRN 20 2/2              | T50502000 |       | 1-2 |      |         |
| L 1001 | M.RFC         | 1000uH   |     |      | LLM3225-102J            | L1691157  |       | 1-  | A    | F1      |
| L 1002 | CHIP COIL     | 47uH     |     |      | LQH32MN470K23L          | L1690095  |       | 1-  | A    | C1      |
| L 1003 | M.RFC         | 0.018uH  |     |      | HK1608 18NJ-T           | L1690519  |       | 1-  | A    | E1      |
| L 1004 | M.RFC         | 10uH     |     |      | LLM3225-100J            | L1691133  |       | 1-  | A    | C1      |
| L 1005 | M.RFC         | 0.033uH  |     |      | HK1608 33NJ-T           | L1690522  |       | 1-  | A    | F1      |
| L 1006 | M.RFC         | 0.01uH   |     | 2%   | 0603HP-10NXGLW          | L1691598  |       | 1-  | A    | E2      |
| L 1007 | M.RFC         | 0.082uH  |     | 2%   | 0603HP-82NXGLW          | L1691609  |       | 1-  | A    | F2      |
| L 1008 | M.RFC         | 0.0033uH |     | 2%   | 0603HP-3N3XGLW          | L1691592  |       | 1-  | A    | E2      |
| L 1009 | CHIP COIL     | 0.18uH   |     | 2%   | C2520C-R18G-RA          | L1691297  |       | 1-  | A    | F1      |
| L 1010 | M.RFC         | 0.082uH  |     | 2%   | 0603HP-82NXGLW          | L1691609  |       | 1-  | A    | F2      |
| L 1011 | CHIP COIL     | 0.22uH   |     | 2%   | C2520C-R22G-RA          | L1691298  |       | 1-  | A    | F1      |
| L 1012 | M.RFC         | 0.033uH  |     | 2%   | 0603HP-33NXGLW          | L1691604  |       | 1-  | A    | F2      |
| L 1013 | M.RFC         | 0.15uH   |     | 2%   | 0603HP-R15XGLW          | L1691612  |       | 1-  | A    | F2      |
| L 1014 | M.RFC         | 0.01uH   |     | 2%   | 0603HP-10NXGLW          | L1691598  |       | 1-  | A    | E2      |
| L 1015 | M.RFC         | 3.9uH    |     |      | LLM3225-3R9J            | L1691128  |       | 1-  | A    | E1      |
| L 1016 | CHIP COIL     | 0.18uH   |     | 2%   | C2520C-R18G-RA          | L1691297  |       | 1-  | A    | F1      |



# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE   | V/W | TOL. | MFR'S DESIG      | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|---------|-----|------|------------------|-----------|-------|-----|------|---------|
| L 1017 | M.RFC       | 3.3uH   |     |      | LLM3225-3R3J     | L1691127  |       | 1-  | A    | E1      |
| L 1018 | M.RFC       | 0.033uH |     | 2%   | 0603HP-33NXGLW   | L1691604  |       | 1-  | A    | F2      |
| L 1019 | M.RFC       | 1uH     |     | 5%   | C2012C-1R0J      | L1691160  |       | 1-  | A    | F2      |
| L 1020 | M.RFC       | 3.3uH   |     |      | LLM3225-3R3J     | L1691127  |       | 1-  | A    | E1      |
| L 1021 | M.RFC       | 3.9uH   |     |      | LLM3225-3R9J     | L1691128  |       | 1-  | A    | E1      |
| L 1022 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | D1      |
| L 1023 | M.RFC       | 0.22uH  |     | 2%   | 0805CS-221XGLC   | L1691638  |       | 1-  | A    | D1      |
| L 1024 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | D1      |
| L 1025 | M.RFC       | 6.8uH   |     |      | LLM3225-6R8J     | L1691131  |       | 1-  | A    | F1      |
| L 1026 | M.RFC       | 0.056uH |     | 2%   | 0805CS-560XGLC   | L1691631  |       | 1-  | A    | D1      |
| L 1027 | M.RFC       | 0.056uH |     | 2%   | 0805CS-560XGLC   | L1691631  |       | 1-  | A    | D1      |
| L 1028 | CHIP COIL   | 1uH     |     |      | NLV32T-1R0J-PF   | L1691349  |       | 1-  | B    | c1      |
| L 1029 | M.RFC       | 8.2uH   |     |      | LLM3225-8R2J     | L1691132  |       | 1-  | A    | E1      |
| L 1030 | CHIP COIL   | 100uH   |     | 5%   | NLV25T-101J-PF   | L1691779  |       | 1-  | A    | E1      |
| L 1031 | M.RFC       | 6.8uH   |     |      | LLM3225-6R8J     | L1691131  |       | 1-  | A    | E1      |
| L 1032 | CHIP COIL   | 10uH    |     | 5%   | NLV25T-100J-PF   | L1691436  |       | 1-  | A    | E1      |
| L 1033 | CHIP COIL   | 0.82uH  |     | 5%   | NLV25T-R82J-PF   | L1691423  |       | 1-  | A    | E1      |
| L 1034 | CHIP COIL   | 0.33uH  |     | 5%   | NLV25T-R33J-PF   | L1691418  |       | 1-  | A    | E1      |
| L 1035 | M.RFC       | 0.082uH |     | 2%   | C2012C-82NG-RA   | L1690775  |       | 1-  | A    | D1      |
| L 1036 | CHIP COIL   | 1.2uH   |     | 5%   | NLV25T-1R2J-PF   | L1691425  |       | 1-  | A    | E1      |
| L 1037 | CHIP COIL   | 1uH     |     | 5%   | NLV25T-1R0J-PF   | L1691424  |       | 1-  | A    | E1      |
| L 1038 | CHIP COIL   | 1uH     |     | 5%   | NLV25T-1R0J-PF   | L1691424  |       | 1-  | A    | E1      |
| L 1039 | CHIP COIL   | 0.47uH  |     | 2%   | C2520C-R47G-RA   | L1691302  |       | 1-  | A    | D1      |
| L 1040 | COIL        |         |     |      | E2 0.28-1.0-4T-R | L0022365  |       | 1-  | A    | D2      |
| L 1041 | CHIP COIL   | 100uH   |     | 5%   | NLV25T-101J-PF   | L1691779  |       | 1-  | A    | D2      |
| L 1042 | CHIP COIL   | 3.3uH   |     | 5%   | NLV25T-3R3J-PF   | L1691430  |       | 1-  | A    | E1      |
| L 1043 | CHIP COIL   | 0.27uH  |     | 5%   | NLV25T-R27J-PF   | L1691417  |       | 1-  | A    | E1      |
| L 1044 | CHIP COIL   | 0.1uH   |     | 5%   | NLV25T-R10J-PF   | L1691412  |       | 1-  | A    | D1      |
| L 1045 | M.RFC       | 0.039uH |     | 2%   | C2012C-39NG-RA   | L1690771  |       | 1-  | A    | D1      |
| L 1046 | CHIP COIL   | 1.2uH   |     | 5%   | NLV25T-1R2J-PF   | L1691425  |       | 1-  | A    | E2      |
| L 1047 | CHIP COIL   | 1uH     |     | 5%   | NLV25T-1R0J-PF   | L1691424  |       | 1-  | A    | E2      |
| L 1048 | CHIP COIL   | 1uH     |     | 5%   | NLV25T-1R0J-PF   | L1691424  |       | 1-  | A    | E2      |
| L 1049 | CHIP COIL   | 0.47uH  |     | 2%   | C2520C-R47G-RA   | L1691302  |       | 1-  | A    | D2      |
| L 1050 | COIL        |         |     |      | E2 0.28-1.0-4T-R | L0022365  |       | 1-  | A    | C2      |
| L 1051 | CHIP COIL   | 10uH    |     | 5%   | NLV25T-100J-PF   | L1691436  |       | 1-  | A    | E2      |
| L 1052 | CHIP COIL   | 0.82uH  |     | 5%   | NLV25T-R82J-PF   | L1691423  |       | 1-  | A    | E2      |
| L 1053 | CHIP COIL   | 0.33uH  |     | 5%   | NLV25T-R33J-PF   | L1691418  |       | 1-  | A    | E2      |
| L 1054 | M.RFC       | 0.082uH |     | 2%   | C2012C-82NG-RA   | L1690775  |       | 1-  | A    | D2      |
| L 1055 | CHIP COIL   | 100uH   |     | 5%   | NLV25T-101J-PF   | L1691779  |       | 1-  | A    | D2      |
| L 1056 | COIL        |         |     |      | E2 0.28-1.0-4T-R | L0022365  |       | 1-  | A    | C2      |
| L 1057 | CHIP COIL   | 1uH     |     |      | NLV32T-1R0J-PF   | L1691349  |       | 1-  | A    | C2      |
| L 1058 | M.RFC       | 0.056uH |     | 2%   | 0805CS-560XGLC   | L1691631  |       | 1-  | A    | C2      |
| L 1059 | M.RFC       | 0.056uH |     | 2%   | 0805CS-560XGLC   | L1691631  |       | 1-  | A    | C2      |
| L 1060 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | D2      |
| L 1061 | M.RFC       | 0.22uH  |     | 2%   | 0805CS-221XGLC   | L1691638  |       | 1-  | A    | D2      |
| L 1062 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | D2      |
| L 1063 | M.RFC       | 0.047uH |     | 2%   | 0805CS-470XGLC   | L1691630  |       | 1-  | A    | D3      |
| L 1064 | M.RFC       | 100uH   |     |      | LLM3225-101J     | L1691145  |       | 1-  | B    | a3      |
| L 1065 | M.RFC       | 0.027uH |     | 2%   | 0805CS-270XGLC   | L1691627  |       | 1-  | B    | d3      |
| L 1066 | M.RFC       | 0.1uH   |     | 2%   | 0805CS-101XGLC   | L1691634  |       | 1-  | A    | D3      |
| L 1067 | CHIP COIL   | 100uH   |     | 5%   | NLV25T-101J-PF   | L1691779  |       | 1-  | A    | D2      |
| L 1068 | M.RFC       | 0.022uH |     | 2%   | 0805CS-220XGLC   | L1691626  |       | 1-  | B    | d3      |
| L 1069 | M.RFC       | 0.082uH |     | 2%   | 0805CS-820XGLC   | L1691633  |       | 1-  | A    | D3      |
| L 1070 | CHIP COIL   | 0.47uH  |     | 5%   | NLV25T-R47J-PF   | L1691420  |       | 1-  | A    | C3      |
| L 1072 | M.RFC       | 4.7uH   |     | 5%   | 0805LS-472XJLC   | L1691464  |       | 1-  | A    | C3      |
| L 1074 | M.RFC       | 0.012uH |     | 2%   | C1608CB-12NG-RF  | L1691033  |       | 1   | A    | C2      |
| L 1075 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | C2      |
| L 1076 | M.RFC       | 1uH     |     |      | LK1608 1R0K-T    | L1690687  |       | 1-  | A    | B2      |
| L 1077 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | B2      |
| L 1079 | M.RFC       | 0.1uH   |     | 2%   | 0805CS-101XGLC   | L1691634  |       | 1-  | A    | D3      |
| L 1081 | CHIP COIL   | 1uH     |     | 5%   | NLV25T-1R0J-PF   | L1691424  |       | 1-  | A    | C4      |
| L 1082 | M.RFC       | 0.27uH  |     | 5%   | C2012C-R27J      | L1691017  |       | 1-  | A    | D4      |
| L 1082 | M.RFC       | 0.27uH  |     | 2%   | 0805CS-271XGLC   | L1691639  |       | 3-  | A    | D4      |
| L 1083 | M.RFC       | 1uH     |     |      | LK1608 1R0K-T    | L1690687  |       | 1-  | A    | B4      |
| L 1084 | M.RFC       | 2.2uH   |     | 5%   | 0805LS-222XJLC   | L1691460  |       | 1-  | A    | D4      |
| L 1085 | M.RFC       | 2.2uH   |     | 5%   | 0805LS-222XJLC   | L1691460  |       | 1-  | A    | D4      |
| L 1086 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | E3      |
| L 1087 | M.RFC       | 0.12uH  |     | 2%   | 0805CS-121XGLC   | L1691635  |       | 1-  | A    | E3      |
| L 1088 | M.RFC       | 1uH     |     |      | LK1608 1R0K-T    | L1690687  |       | 1-  | A    | B4      |
| L 1089 | M.RFC       | 0.22uH  |     | 5%   | C2012C-R22J      | L1690796  |       | 1-  | A    | C4      |
| L 1090 | CHIP COIL   | 0.56uH  |     | 2%   | C2520C-R56G-RA   | L1691303  |       | 1-  | A    | E3      |
| L 1092 | CHIP COIL   | 0.22uH  |     | 2%   | C2520C-R22G-RA   | L1691298  |       | 1-  | A    | E3      |
| L 1094 | CHIP COIL   | 0.56uH  |     | 2%   | C2520C-R56G-RA   | L1691303  |       | 1-  | A    | E3      |
| L 1096 | CHIP COIL   | 0.22uH  |     | 2%   | C2520C-R22G-RA   | L1691298  |       | 1-  | A    | E3      |
| L 1098 | M.RFC       | 1uH     |     |      | LK1608 1R0K-T    | L1690687  |       | 1-  | A    | F4      |

# MAIN Unit Parts List

| REF    | DESCRIPTION   | VALUE   | V/W | TOL. | MFR'S DESIG         | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|---------|-----|------|---------------------|-----------|-------|-----|------|---------|
| L 1099 | M.RFC         | 1uH     |     |      | LK1608 1R0K-T       | L1690687  |       | 1-  | A    | B3      |
| L 1100 | M.RFC         | 1uH     |     |      | LK1608 1R0K-T       | L1690687  |       | 1-  | A    | B3      |
| L 1101 | M.RFC         | 0.27uH  |     | 2%   | 0805CS-271XGLC      | L1691639  |       | 1-  | A    | F4      |
| L 1102 | M.RFC         | 0.12uH  |     |      | LK1608 R12K-T       | L1690408  |       | 1-  | A    | F4      |
| L 1103 | M.RFC         | 1000uH  |     |      | LLM3225-102J        | L1691157  |       | 1-  | A    | C4      |
| L 1104 | FERRITE BEADS |         |     |      | BLM18BD182SN1D      | L1690602  |       | 1-  | B    | a1      |
| L 1105 | FERRITE BEADS |         |     |      | BLM18BD182SN1D      | L1690602  |       | 1-  | B    | a1      |
| L 1106 | FERRITE BEADS |         |     |      | BLM18BD182SN1D      | L1690602  |       | 1-  | B    | a1      |
| L 1107 | FERRITE BEADS |         |     |      | BLM18BD182SN1D      | L1690602  |       | 1-  | B    | a1      |
| L 1108 | FERRITE BEADS |         |     |      | BLM18BD182SN1D      | L1690602  |       | 1-  | B    | a1      |
| L 1109 | M.RFC         | 47uH    |     |      | LLM3225-470J        | L1691141  |       | 1-  | A    | E4      |
| L 1110 | COIL          |         |     |      | E2 0.28-1.0-4T-R    | L0022365  |       | 1-  | A    | C1      |
| L 1111 | COIL          |         |     |      | E2 0.26-0.9-3T-R    | L0022367  |       | 1-  | A    | C1      |
| L 1112 | M.RFC         | 0.22uH  |     | 2%   | 0603HP-R22XGLW      | L1691614  |       | 1-  | A    | C2      |
| L 1113 | M.RFC         | 0.22uH  |     | 2%   | 0603HP-R22XGLW      | L1691614  |       | 1-  | A    | D2      |
| L 1114 | M.RFC         | 0.027uH |     | 2%   | 0805CS-270XGLC      | L1691627  |       | 1-  | B    | d3      |
| L 1115 | M.RFC         | 1000uH  |     |      | LLM3225-102J        | L1691157  |       | 1-  | A    | F1      |
| L 1116 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | A    | E1      |
| L 1117 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | b1      |
| L 1118 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1119 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1120 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1121 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1122 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1124 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | A    | D3      |
| L 1125 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1126 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | d2      |
| L 1127 | CHIP COIL     | 100uH   |     | 5%   | NLV25T-101J-PF      | L1691779  |       | 1-  | B    | c2      |
| L 1128 | M.RFC         | 2.2uH   |     |      | LK1608 2R2K-T       | L1690634  |       | 1-  | A    | B3      |
| L 1129 | M.RFC         | 2.2uH   |     |      | LK1608 2R2K-T       | L1690634  |       | 11- |      |         |
| Q 1001 | FET           |         |     |      | NE3509M04-T2-A      | G3070387  |       | 1-  | A    | F1      |
| Q 1002 | IC            |         |     |      | UPC2710TB-E3        | G1093932  |       | 1-  | A    | C1      |
| Q 1003 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | A    | F3      |
| Q 1004 | FET           |         |     |      | RTM002P02(TAPE)     | G3070347  |       | 1-  | A    | F2      |
| Q 1005 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | B    | b1      |
| Q 1006 | FET           |         |     |      | BF2030W             | G4070017  |       | 1-  | A    | F2      |
| Q 1007 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | B    | b1      |
| Q 1008 | IC            |         |     |      | CP2105-F01-GMR      | G1094981* |       | 1-  | B    | a3      |
| Q 1009 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | B    | b2      |
| Q 1010 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | A    | F2      |
| Q 1011 | FET           |         |     |      | BF2030W             | G4070017  |       | 1-  | A    | D1      |
| Q 1012 | IC            |         |     |      | USB2512BI-AEZG      | G1094881  |       | 1-  | A    | F4      |
| Q 1013 | FET           |         |     |      | RTM002P02(TAPE)     | G3070347  |       | 1-  | A    | F2      |
| Q 1014 | TRANSISTOR    |         |     |      | DTC143ZE TL         | G3070102  |       | 1-  | A    | C1      |
| Q 1015 | TRANSISTOR    |         |     |      | DTC144EUA T106      | G3070041  |       | 1-  | A    | D1      |
| Q 1016 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | B    | a2      |
| Q 1017 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | A    | F2      |
| Q 1018 | TRANSISTOR    |         |     |      | 2SA1576A T106 R     | G3115768R |       | 1-  | B    | a4      |
| Q 1019 | TRANSISTOR    |         |     |      | 2SA1576A T106 R     | G3115768R |       | 1-  | B    | a4      |
| Q 1020 | FET           |         |     |      | RTM002P02(TAPE)     | G3070347  |       | 1-  | A    | F2      |
| Q 1021 | IC            |         |     |      | TC7SH08FU(TE85L.JF) | G1094736  |       | 1-  | B    | b4      |
| Q 1022 | TRANSISTOR    |         |     |      | DTA114EUA T106      | G3070083  |       | 1-  | B    | b2      |
| Q 1023 | TRANSISTOR    |         |     |      | DTA114EUA T106      | G3070083  |       | 1-  | B    | b2      |
| Q 1025 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | A    | F2      |
| Q 1026 | IC            |         |     |      | PCM2903BDBR         | G1094880  |       | 1-  | B    | b4      |
| Q 1027 | FET           |         |     |      | RTM002P02(TAPE)     | G3070347  |       | 1-  | A    | F2      |
| Q 1029 | IC            |         |     |      | CD4052BPWR          | G1093862  |       | 1-  | B    | f3      |
| Q 1030 | IC            |         |     |      | NJM2902V-TE1        | G1091679  |       | 1-  | A    | B1      |
| Q 1033 | TRANSISTOR    |         |     |      | 2SC3356-T2B R24     | G3333567D |       | 1-  | A    | D2      |
| Q 1034 | IC            |         |     |      | NJM2737V(TAPE)      | G1094292  |       | 1-  | B    | b3      |
| Q 1035 | IC            |         |     |      | BU2152FS(TAPE)      | G1093942  |       | 1-  | B    | f3      |
| Q 1036 | IC            |         |     |      | NJM2737V(TAPE)      | G1094292  |       | 1-  | B    | b2      |
| Q 1038 | TRANSISTOR    |         |     |      | DTC144EUA T106      | G3070041  |       | 1-  | A    | B1      |
| Q 1039 | TRANSISTOR    |         |     |      | 2SC4081 T106 R      | G3340818R |       | 1-  | A    | B1      |
| Q 1045 | IC            |         |     |      | SN74HCT04PWR        | G1094484  |       | 1-  | B    | e4      |
| Q 1046 | IC            |         |     |      | BU2152FS(TAPE)      | G1093942  |       | 1-  | B    | f4      |
| Q 1047 | IC            |         |     |      | TC4W53FU(TE12L_F)   | G1091675  |       | 1-  | A    | C2      |
| Q 1048 | TRANSISTOR    |         |     |      | DTC144EUA T106      | G3070041  |       | 1-  | A    | B2      |
| Q 1050 | IC            |         |     |      | PE4259-63/TR        | G1095102  |       | 1-  | A    | C3      |
| Q 1051 | IC            |         |     |      | NJM2902V-TE1        | G1091679  |       | 1-  | A    | C1      |
| Q 1052 | IC            |         |     |      | ADM3202ARUZ         | G1094022  |       | 1-  | B    | a3      |
| Q 1053 | TRANSISTOR    |         |     |      | 2SC3356-T2B R24     | G3333567D |       | 1-  | A    | D2      |
| Q 1055 | TRANSISTOR    |         |     |      | 2SB1182-TLQ         | G3070063  |       | 1-  | A    | C3      |
| Q 1056 | IC            |         |     |      | CD74HCT4053PWR      | G1094273  |       | 1-  | B    | e3      |
| Q 1057 | TRANSISTOR    |         |     |      | DTC114EUA T106      | G3070084  |       | 1-  | A    | B3      |

\* Please contact YAESU when replacing this part.

# MAIN Unit

## Parts List

| REF    | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-----|------|--------------------|-----------|-------|-----|------|---------|
| Q 1058 | IC          |       |     |      | SMA5101-TL-H       | G1095075  |       | 1-  | A    | E2      |
| Q 1060 | IC          |       |     |      | BGA616H6327XTSA1   | G1095085  |       | 1-  | A    | C3      |
| Q 1061 | TRANSISTOR  |       |     |      | 2SB1182-TLQ        | G3070063  |       | 1-  | A    | C3      |
| Q 1062 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | A    | B3      |
| Q 1063 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f3      |
| Q 1064 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | B    | d3      |
| Q 1065 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | A    | B3      |
| Q 1067 | IC          |       |     |      | LM2904PWR          | G1094010  |       | 1-  | A    | B2      |
| Q 1068 | IC          |       |     |      | LM2904PWR          | G1094010  |       | 1-  | A    | C3      |
| Q 1069 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | B    | b3      |
| Q 1070 | IC          |       |     |      | LM2902PWR          | G1094009  |       | 1-  | B    | e2      |
| Q 1071 | IC          |       |     |      | BU2507FV-E2        | G1093773  |       | 1-  | B    | f4      |
| Q 1072 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | A    | B4      |
| Q 1073 | FET         |       |     |      | BF2030W            | G4070017  |       | 1-  | A    | B2      |
| Q 1074 | IC          |       |     |      | ADF4116BRUZ(TAPE)  | G1093581  |       | 1-  | A    | B4      |
| Q 1075 | TRANSISTOR  |       |     |      | DTC124EUA T106     | G3070045  |       | 1-  | B    | e2      |
| Q 1076 | FET         |       |     |      | 3SK294(TE85L)      | G4802948A |       | 1-  | A    | D3      |
| Q 1077 | FET         |       |     |      | 3SK294(TE85L)      | G4802948A |       | 1-  | A    | D3      |
| Q 1078 | FET         |       |     |      | 3SK294(TE85L)      | G4802948A |       | 1-  | A    | D3      |
| Q 1079 | FET         |       |     |      | 3SK294(TE85L)      | G4802948A |       | 1-  | A    | D3      |
| Q 1081 | TRANSISTOR  |       |     |      | 2SD1664 T100 Q     | G3416647Q |       | 1-  | B    | c3      |
| Q 1082 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | A    | A2      |
| Q 1083 | IC          |       |     |      | BU2505FV-E2        | G1093714  |       | 1-  | B    | f4      |
| Q 1084 | FET         |       |     |      | MCH3914-7-TL-H     | G3070439  |       | 1-  | A    | D4      |
| Q 1085 | TRANSISTOR  |       |     |      | DTA144EU T106      | G3070079  |       | 1-  | A    | B4      |
| Q 1086 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | B3      |
| Q 1088 | IC          |       |     |      | PE4259-63/TR       | G1095102  |       | 1-  | A    | E3      |
| Q 1089 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | B    | d4      |
| Q 1090 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | A    | B3      |
| Q 1091 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1092 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1093 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1094 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1095 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | D4      |
| Q 1096 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | D4      |
| Q 1097 | IC          |       |     |      | NJM2737V(TAPE)     | G1094292  |       | 1-  | B    | g3      |
| Q 1098 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1099 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1100 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1101 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | B    | f4      |
| Q 1102 | IC          |       |     |      | PE4259-63/TR       | G1095102  |       | 1-  | A    | E3      |
| Q 1103 | IC          |       |     |      | LM2902PWR          | G1094009  |       | 1-  | A    | F3      |
| Q 1104 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | C4      |
| Q 1105 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | B    | g2      |
| Q 1106 | IC          |       |     |      | PE4259-63/TR       | G1095102  |       | 1-  | A    | D4      |
| Q 1107 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | B4      |
| Q 1110 | IC          |       |     |      | PE4259-63/TR       | G1095102  |       | 1-  | A    | E3      |
| Q 1111 | IC          |       |     |      | LM2902PWR          | G1094009  |       | 1-  | B    | e1      |
| Q 1114 | IC          |       |     |      | LM2902PWR          | G1094009  |       | 1-  | B    | e2      |
| Q 1116 | IC          |       |     |      | HD74LV2G74A(TAPE)  | G1093788  |       | 1-  | B    | e2      |
| Q 1117 | IC          |       |     |      | TA75S01F(TE85R.F)  | G1091593  |       | 1-  | A    | B4      |
| Q 1118 | IC          |       |     |      | NJM2172V-TE1       | G1095083  |       | 1-  | B    | f2      |
| Q 1119 | IC          |       |     |      | CD74HCT4053PWR     | G1094273  |       | 1-  | B    | e1      |
| Q 1120 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | B    | b3      |
| Q 1122 | FET         |       |     |      | BF2030W            | G4070017  |       | 1-  | A    | F3      |
| Q 1123 | IC          |       |     |      | TC7S86FU(TE85L.F)  | G1094078  |       | 1-  | B    | e2      |
| Q 1124 | TRANSISTOR  |       |     |      | 2SC4116GR(TE85L.F) | G3341168G |       | 1-  | A    | A3      |
| Q 1125 | IC          |       |     |      | LM2902PWR          | G1094009  |       | 1-  | B    | e1      |
| Q 1126 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | C4      |
| Q 1127 | IC          |       |     |      | AD9834BRUZ-REEL7   | G1094297  |       | 1-  | A    | B3      |
| Q 1128 | IC          |       |     |      | CD74HCT4053PWR     | G1094273  |       | 1-  | B    | f1      |
| Q 1129 | TRANSISTOR  |       |     |      | 2SC4081 T106 R     | G3340818R |       | 1-  | B    | b3      |
| Q 1132 | IC          |       |     |      | M62364FP 600D      | G1093033  |       | 1-  | B    | f1      |
| Q 1133 | IC          |       |     |      | NJM2591V-TE1       | G1094024  |       | 1-  | B    | b4      |
| Q 1134 | IC          |       |     |      | LM2904PWR          | G1094010  |       | 1-  | B    | e2      |
| Q 1135 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | D4      |
| Q 1136 | IC          |       |     |      | CD74HCT4053PWR     | G1094273  |       | 1-  | B    | f1      |
| Q 1137 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | B3      |
| Q 1139 | TRANSISTOR  |       |     |      | 2SC4215Y(TE85R.F)  | G3342157Y |       | 1-  | A    | B3      |
| Q 1140 | TRANSISTOR  |       |     |      | DTC114EUA T106     | G3070084  |       | 1-  | A    | B3      |
| Q 1141 | IC          |       |     |      | CD74HCT4053PWR     | G1094273  |       | 1-  | B    | g1      |
| Q 1142 | TRANSISTOR  |       |     |      | 2SC2714-Y(TE85L.F) | G3327147Y |       | 1-  | A    | D4      |
| Q 1143 | IC          |       |     |      | NJM2737V(TAPE)     | G1094292  |       | 1-  | B    | g1      |
| Q 1144 | IC          |       |     |      | CD74HCT4053PWR     | G1094273  |       | 1-  | B    | a2      |
| Q 1145 | TRANSISTOR  |       |     |      | 2SD2211 T100 QR    | G3422117Q |       | 1-  | A    | F1      |



# MAIN Unit

## Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| Q 1147 | IC          |       |       |      | NJM2594V-TE1    | G1093750  |       | 1-  | A    | A2      |
| Q 1148 | IC          |       |       |      | LA4425A-E       | G1092241  |       | 1-  | A    | A1      |
| Q 1149 | IC          |       |       |      | CD4066BPWR      | G1093865  |       | 1-  | B    | f2      |
| Q 1150 | TRANSISTOR  |       |       |      | 2SD1628-TD-E    | G3416288  |       | 1-  | A    | A1      |
| Q 1152 | TRANSISTOR  |       |       |      | 2SA1576A T106 R | G3115768R |       | 1-  | A    | A1      |
| Q 1153 | TRANSISTOR  |       |       |      | 2SC4081 T106 R  | G3340818R |       | 1-  | A    | A1      |
| Q 1154 | IC          |       |       |      | NJM2594V-TE1    | G1093750  |       | 1-  | A    | A3      |
| Q 1155 | TRANSISTOR  |       |       |      | DTC114EUA T106  | G3070084  |       | 1-  | A    | F4      |
| Q 1156 | IC          |       |       |      | NJM2737V(TAPE)  | G1094292  |       | 1-  | A    | A2      |
| Q 1158 | TRANSISTOR  |       |       |      | 2SC4081 T106 R  | G3340818R |       | 1-  | A    | A1      |
| Q 1159 | TRANSISTOR  |       |       |      | 2SC3356-T2B R24 | G3333567D |       | 1-  | A    | E4      |
| Q 1160 | IC          |       |       |      | NJM2737V(TAPE)  | G1094292  |       | 1-  | A    | A2      |
| Q 1161 | IC          |       |       |      | NJM2737V(TAPE)  | G1094292  |       | 1-  | A    | A2      |
| Q 1162 | IC          |       |       |      | NJM2902V-TE1    | G1091679  |       | 1-  | B    | f2      |
| Q 1163 | IC          |       |       |      | NJM2737V(TAPE)  | G1094292  |       | 1-  | A    | A3      |
| Q 1164 | TRANSISTOR  |       |       |      | DTC114EUA T106  | G3070084  |       | 1-  | A    | F3      |
| Q 1166 | TRANSISTOR  |       |       |      | 2SC4081 T106 R  | G3340818R |       | 1-  | A    | E5      |
| Q 1167 | TRANSISTOR  |       |       |      | 2SC4081 T106 R  | G3340818R |       | 1-  | A    | E4      |
| Q 1169 | TRANSISTOR  |       |       |      | 2SA1576A T106 R | G3115768R |       | 1-  | A    | B2      |
| Q 1170 | TRANSISTOR  |       |       |      | DTA114EUA T106  | G3070083  |       | 1-  | B    | b1      |
| Q 1171 | TRANSISTOR  |       |       |      | DTC144EUA T106  | G3070041  |       | 1-  | B    | a1      |
| Q 1172 | TRANSISTOR  |       |       |      | DTC144EUA T106  | G3070041  |       | 1-  | B    | a1      |
| Q 1173 | TRANSISTOR  |       |       |      | 2SB624-T2B BV3  | G3206247C |       | 1-  | B    | b1      |
| Q 1174 | TRANSISTOR  |       |       |      | DTA114EUA T106  | G3070083  |       | 1-  | B    | c2      |
| Q 1175 | TRANSISTOR  |       |       |      | DTA114EUA T106  | G3070083  |       | 1-  | B    | c3      |
| Q 1176 | TRANSISTOR  |       |       |      | DTC144EUA T106  | G3070041  |       | 1-  | B    | c2      |
| Q 1177 | TRANSISTOR  |       |       |      | DTC144EUA T106  | G3070041  |       | 1-  | B    | c3      |
| Q 1178 | TRANSISTOR  |       |       |      | DTC144EUA T106  | G3070041  |       | 1-  | B    | d2      |
| Q 1179 | TRANSISTOR  |       |       |      | DTA114EUA T106  | G3070083  |       | 1-  | B    | d2      |
| Q 1180 | TRANSISTOR  |       |       |      | DTC144EUA T106  | G3070041  |       | 1-  | B    | d2      |
| Q 1181 | TRANSISTOR  |       |       |      | DTA114EUA T106  | G3070083  |       | 1-  | B    | d2      |
| R 1001 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | F3      |
| R 1002 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | F3      |
| R 1003 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | F1      |
| R 1004 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP | J24185681 |       | 1-  | A    | C1      |
| R 1005 | CHIP RES.   | 150   | 1/10W | 5%   | RMC1/10T 151J   | J24205151 |       | 1-  | A    | F1      |
| R 1006 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F2      |
| R 1007 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1008 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F3      |
| R 1009 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F3      |
| R 1010 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | F2      |
| R 1011 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | E1      |
| R 1012 | CHIP RES.   | 68    | 1/10W | 5%   | RMC1/10T 680J   | J24205680 |       | 1-  | A    | F1      |
| R 1013 | CHIP RES.   | 4.7   | 1/16W | 5%   | RMC1/16 4R7JATP | J24185479 |       | 1-  | A    | F1      |
| R 1014 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1015 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | F4      |
| R 1016 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | b1      |
| R 1017 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F2      |
| R 1018 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1019 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | B    | a3      |
| R 1020 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | B    | a3      |
| R 1021 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | F2      |
| R 1022 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | F2      |
| R 1023 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | B    | b2      |
| R 1024 | CHIP RES.   | 82    | 1/16W | 5%   | RMC1/16 820JATP | J24185820 |       | 1-  | A    | C1      |
| R 1025 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | A    | F4      |
| R 1026 | CHIP RES.   | 180   | 1/16W | 5%   | RMC1/16 181JATP | J24185181 |       | 1-  | A    | C1      |
| R 1026 | CHIP RES.   | 180   | 1/16W | 5%   | RMC1/16S 181JTH | J24189016 |       | 11- | A    | C1      |
| R 1027 | CHIP RES.   | 12k   | 1/16W | 1%   | RMC1/16 123FTP  | J24183123 |       | 1-  | A    | F3      |
| R 1029 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F2      |
| R 1030 | CHIP RES.   | 82    | 1/16W | 5%   | RMC1/16 820JATP | J24185820 |       | 1-  | A    | C1      |
| R 1031 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | a3      |
| R 1033 | CHIP RES.   | 1.2k  | 1/16W | 5%   | RMC1/16 122JATP | J24185122 |       | 1-  | B    | b2      |
| R 1034 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | A    | G3      |
| R 1035 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F2      |
| R 1036 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C1      |
| R 1037 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | C1      |
| R 1038 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a4      |
| R 1039 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | B    | b1      |
| R 1040 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F3      |
| R 1041 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F3      |
| R 1042 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | A    | D1      |
| R 1043 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F4      |
| R 1044 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | b2      |
| R 1045 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | C1      |

# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1046 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | F2      |
| R 1047 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | F2      |
| R 1048 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a3      |
| R 1049 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1   | A    | D1      |
| R 1049 | CHIP RES.   | 150k  | 1/16W | 5%   | RMC1/16 154JATP | J24185154 |       | 2-  | A    | D1      |
| R 1050 | CHIP RES.   | 5.6k  | 1/16W | 5%   | RMC1/16 562JATP | J24185562 |       | 1-  | A    | D1      |
| R 1051 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F4      |
| R 1052 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | b1      |
| R 1053 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a3      |
| R 1054 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F4      |
| R 1055 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | D1      |
| R 1056 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a3      |
| R 1057 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | D1      |
| R 1058 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | D1      |
| R 1059 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | A    | F2      |
| R 1060 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F4      |
| R 1061 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a4      |
| R 1062 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a4      |
| R 1063 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F2      |
| R 1064 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | a3      |
| R 1065 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F2      |
| R 1066 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | B    | b2      |
| R 1067 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | a2      |
| R 1068 | CHIP RES.   | 1.5k  | 1/16W | 5%   | RMC1/16 152JATP | J24185152 |       | 1-  | B    | a2      |
| R 1069 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | F2      |
| R 1070 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | F2      |
| R 1071 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | B    | b2      |
| R 1072 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | F2      |
| R 1073 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | A    | F2      |
| R 1074 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F2      |
| R 1075 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | F2      |
| R 1076 | CHIP RES.   | 1.5k  | 1/16W | 5%   | RMC1/16 152JATP | J24185152 |       | 1-  | B    | b4      |
| R 1077 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | a1      |
| R 1078 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | B    | b4      |
| R 1079 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | F2      |
| R 1080 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | B    | b4      |
| R 1081 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | F1      |
| R 1082 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E1      |
| R 1083 | CHIP RES.   | 68    | 1/16W | 5%   | RMC1/16 680JATP | J24185680 |       | 1-  | A    | E1      |
| R 1084 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | A    | F2      |
| R 1085 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | F1      |
| R 1086 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | D1      |
| R 1087 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | F1      |
| R 1088 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | B    | a4      |
| R 1089 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | B    | b4      |
| R 1090 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D1      |
| R 1091 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | B    | a4      |
| R 1092 | CHIP RES.   | 6.8k  | 1/16W | 1%   | RMC1/16 682FTP  | J24183682 |       | 1-  | A    | B1      |
| R 1093 | CHIP RES.   | 68k   | 1/16W | 1%   | RMC1/16 683FTP  | J24183683 |       | 1-  | A    | B1      |
| R 1094 | CHIP RES.   | 6.8k  | 1/16W | 1%   | RMC1/16 682FTP  | J24183682 |       | 1-  | A    | B1      |
| R 1095 | CHIP RES.   | 68k   | 1/16W | 1%   | RMC1/16 683FTP  | J24183683 |       | 1-  | A    | B1      |
| R 1096 | CHIP RES.   | 22k   | 1/16W | 1%   | RMC1/16 223FTP  | J24183223 |       | 1-  | A    | B1      |
| R 1097 | CHIP RES.   | 22k   | 1/16W | 1%   | RMC1/16 223FTP  | J24183223 |       | 1-  | A    | B1      |
| R 1098 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | B    | c1      |
| R 1099 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | D1      |
| R 1100 | CHIP RES.   | 5.6k  | 1/16W | 5%   | RMC1/16 562JATP | J24185562 |       | 1-  | B    | d3      |
| R 1101 | CHIP RES.   | 47k   | 1/16W | 1%   | RMC1/16 473FTP  | J24183473 |       | 1-  | A    | B1      |
| R 1102 | CHIP RES.   | 47k   | 1/16W | 1%   | RMC1/16 473FTP  | J24183473 |       | 1-  | A    | B1      |
| R 1103 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | A    | E1      |
| R 1104 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | f3      |
| R 1105 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | B    | b3      |
| R 1106 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f3      |
| R 1107 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | a3      |
| R 1108 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | C1      |
| R 1109 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | b3      |
| R 1110 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | c1      |
| R 1111 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b3      |
| R 1112 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b3      |
| R 1113 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E1      |
| R 1114 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E1      |
| R 1115 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D1      |
| R 1116 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D1      |
| R 1117 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | A    | B1      |
| R 1118 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | A    | B1      |
| R 1119 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1120 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b3      |
| R 1121 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | A    | B1      |
| R 1122 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | A    | B1      |
| R 1123 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | E1      |
| R 1124 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | E1      |
| R 1125 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | D1      |
| R 1126 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | D1      |
| R 1127 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1128 | CHIP RES.   | 68k   | 1/16W | 5%   | RMC1/16 683JATP | J24185683 |       | 1-  | A    | B1      |
| R 1129 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | D2      |
| R 1130 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | B1      |
| R 1131 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | D2      |
| R 1132 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D2      |
| R 1133 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | D2      |
| R 1134 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | D2      |
| R 1135 | CHIP RES.   | 1.2k  | 1/16W | 5%   | RMC1/16 122JATP | J24185122 |       | 1-  | A    | D2      |
| R 1136 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1137 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | D2      |
| R 1138 | CHIP RES.   | 150k  | 1/16W | 5%   | RMC1/16 154JATP | J24185154 |       | 1-  | A    | B1      |
| R 1139 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E2      |
| R 1140 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E2      |
| R 1141 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D2      |
| R 1142 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D2      |
| R 1143 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | D2      |
| R 1144 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | f4      |
| R 1145 | CHIP RES.   | 150k  | 1/16W | 5%   | RMC1/16 154JATP | J24185154 |       | 1-  | A    | B1      |
| R 1146 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | C1      |
| R 1148 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1149 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | a2      |
| R 1150 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1152 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | D2      |
| R 1153 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1154 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | E2      |
| R 1156 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1157 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | a2      |
| R 1158 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | C2      |
| R 1159 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16 153JATP | J24185153 |       | 1-  | A    | B1      |
| R 1160 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | C2      |
| R 1161 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | b3      |
| R 1162 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | C1      |
| R 1162 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 3-  | A    | C1      |
| R 1163 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1164 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B1      |
| R 1165 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | B2      |
| R 1166 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | a2      |
| R 1167 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1168 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | A    | D2      |
| R 1169 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B2      |
| R 1170 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | a2      |
| R 1171 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1172 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | c2      |
| R 1173 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-2 |      |         |
| R 1174 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | A    | C2      |
| R 1175 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | B1      |
| R 1177 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | C2      |
| R 1178 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | C1      |
| R 1182 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | f4      |
| R 1183 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | a3      |
| R 1185 | CHIP RES.   | 18k   | 1/16W | 5%   | RMC1/16 183JATP | J24185183 |       | 1-  | A    | B1      |
| R 1186 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | B1      |
| R 1187 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1188 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | a3      |
| R 1189 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1190 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | C1      |
| R 1191 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1192 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1193 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | C2      |
| R 1194 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1195 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | d2      |
| R 1196 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1198 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | C2      |
| R 1199 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | C2      |
| R 1201 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | B2      |
| R 1202 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | C2      |
| R 1203 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |



# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1204 | CHIP RES.   | 22k   | 1/16W | 1%   | RMC1/16 223FTP  | J24183223 |       | 1-  | A    | C1      |
| R 1205 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1206 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C1      |
| R 1207 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | D2      |
| R 1208 | CHIP RES.   | 47k   | 1/16W | 1%   | RMC1/16 473FTP  | J24183473 |       | 1-  | A    | C1      |
| R 1209 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | A    | C2      |
| R 1210 | CHIP RES.   | 27    | 1/10W | 5%   | RMC1/10T 270J   | J24205270 |       | 1-  | A    | C3      |
| R 1211 | CHIP RES.   | 47k   | 1/16W | 1%   | RMC1/16 473FTP  | J24183473 |       | 1-  | A    | C1      |
| R 1214 | CHIP RES.   | 150   | 1/16W | 5%   | RMC1/16 151JATP | J24185151 |       | 1-  | A    | E3      |
| R 1214 | CHIP RES.   | 82    | 1/16W | 5%   | RMC1/16 820JATP | J24185820 |       | 3-  | A    | E3      |
| R 1215 | CHIP RES.   | 22k   | 1/16W | 1%   | RMC1/16 223FTP  | J24183223 |       | 1-  | A    | C1      |
| R 1216 | CHIP RES.   | 39    | 1/16W | 5%   | RMC1/16 390JATP | J24185390 |       | 1-  | A    | E3      |
| R 1216 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 3-  | A    | E3      |
| R 1217 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | D2      |
| R 1218 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | A    | C1      |
| R 1220 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C2      |
| R 1221 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | D2      |
| R 1222 | CHIP RES.   | 150   | 1/16W | 5%   | RMC1/16 151JATP | J24185151 |       | 1-  | A    | E3      |
| R 1222 | CHIP RES.   | 82    | 1/16W | 5%   | RMC1/16 820JATP | J24185820 |       | 3-  | A    | E3      |
| R 1223 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | A    | C1      |
| R 1224 | CHIP RES.   | 1.2k  | 1/16W | 5%   | RMC1/16 122JATP | J24185122 |       | 1-  | A    | D2      |
| R 1225 | CHIP RES.   | 330   | 1/4W  | 5%   | RMC1/4 331JATP  | J24245331 |       | 1-  | A    | C3      |
| R 1226 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | D2      |
| R 1227 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | C3      |
| R 1228 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | A    | C2      |
| R 1229 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | e3      |
| R 1230 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B3      |
| R 1231 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | D2      |
| R 1232 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | D2      |
| R 1233 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | C3      |
| R 1234 | CHIP RES.   | 820   | 1/16W | 5%   | RMC1/16 821JATP | J24185821 |       | 1-  | A    | C3      |
| R 1236 | CHIP RES.   | 6.8   | 1/16W | 5%   | RMC1/16 6R8JATP | J24185689 |       | 1-  | A    | C3      |
| R 1237 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B3      |
| R 1238 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | B3      |
| R 1239 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | f3      |
| R 1240 | CHIP RES.   | 27    | 1/10W | 5%   | RMC1/10T 270J   | J24205270 |       | 1-  | A    | C3      |
| R 1241 | CHIP RES.   | 820   | 1/16W | 5%   | RMC1/16 821JATP | J24185821 |       | 1-  | A    | C3      |
| R 1242 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B3      |
| R 1244 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16 153JATP | J24185153 |       | 1-  | A    | E3      |
| R 1247 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | d3      |
| R 1248 | CHIP RES.   | 330   | 1/4W  | 5%   | RMC1/4 331JATP  | J24245331 |       | 1-  | A    | B3      |
| R 1253 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | B2      |
| R 1254 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | B2      |
| R 1255 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | C3      |
| R 1257 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B3      |
| R 1258 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | B3      |
| R 1259 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | C3      |
| R 1260 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | b3      |
| R 1261 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | B2      |
| R 1263 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | B    | d3      |
| R 1264 | CHIP RES.   | 68    | 1/16W | 5%   | RMC1/16 680JATP | J24185680 |       | 1-  | B    | d2      |
| R 1265 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | e2      |
| R 1266 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e2      |
| R 1267 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B2      |
| R 1268 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | C3      |
| R 1269 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | B2      |
| R 1270 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | B2      |
| R 1271 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | e3      |
| R 1272 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | C3      |
| R 1273 | CHIP RES.   | 30k   | 1/16W | 1%   | RMC1/16 303FTP  | J24183303 |       | 1-  | B    | e3      |
| R 1274 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | C3      |
| R 1275 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | b3      |
| R 1276 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | b3      |
| R 1277 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1278 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | B2      |
| R 1278 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 4-  | A    | B2      |
| R 1279 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1280 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-2 | A    | B2      |
| R 1281 | CHIP RES.   | 30k   | 1/16W | 1%   | RMC1/16 303FTP  | J24183303 |       | 1-  | B    | e3      |
| R 1282 | CHIP RES.   | 820   | 1/16W | 5%   | RMC1/16 821JATP | J24185821 |       | 1-  | A    | D3      |
| R 1283 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | C4      |
| R 1284 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f4      |
| R 1285 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B4      |
| R 1287 | CHIP RES.   | 30k   | 1/16W | 1%   | RMC1/16 303FTP  | J24183303 |       | 1-  | B    | e3      |
| R 1288 | CHIP RES.   | 6.8   | 1/16W | 5%   | RMC1/16 6R8JATP | J24185689 |       | 1-  | A    | D3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1289 | CHIP RES.   | 33    | 1/16W | 1%   | RMC1/16 330FTP  | J24183330 |       | 1-  | A    | D3      |
| R 1290 | CHIP RES.   | 33    | 1/16W | 1%   | RMC1/16 330FTP  | J24183330 |       | 1-  | A    | D3      |
| R 1291 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | B4      |
| R 1292 | CHIP RES.   | 820   | 1/16W | 5%   | RMC1/16 821JATP | J24185821 |       | 1-  | A    | D3      |
| R 1293 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B2      |
| R 1294 | CHIP RES.   | 120k  | 1/16W | 5%   | RMC1/16 124JATP | J24185124 |       | 1-  | B    | e2      |
| R 1295 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | B4      |
| R 1296 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | B2      |
| R 1297 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C4      |
| R 1298 | CHIP RES.   | 150k  | 1/16W | 5%   | RMC1/16 154JATP | J24185154 |       | 1-  | B    | e3      |
| R 1299 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 5-  | A    | D3      |
| R 1300 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | B4      |
| R 1301 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | B2      |
| R 1302 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | C4      |
| R 1303 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | e4      |
| R 1304 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | B4      |
| R 1305 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e3      |
| R 1306 | CHIP RES.   | 100k  | 1/16W | 1%   | RMC1/16 104FTP  | J24183104 |       | 1-  | B    | d3      |
| R 1307 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | B4      |
| R 1308 | CHIP RES.   | 100   | 1/16W | 1%   | RMC1/16 101FTP  | J24183101 |       | 1-  | B    | c3      |
| R 1309 | CHIP RES.   | 100   | 1/16W | 1%   | RMC1/16 101FTP  | J24183101 |       | 1-  | B    | c3      |
| R 1310 | CHIP RES.   | 33k   | 1/16W | 1%   | RMC1/16 333FTP  | J24183333 |       | 1-  | B    | d3      |
| R 1311 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | A2      |
| R 1312 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | f1      |
| R 1313 | CHIP RES.   | 33k   | 1/16W | 1%   | RMC1/16 333FTP  | J24183333 |       | 1-  | B    | c3      |
| R 1314 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B4      |
| R 1315 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B4      |
| R 1316 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | B    | f1      |
| R 1317 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f1      |
| R 1318 | CHIP RES.   | 100k  | 1/16W | 1%   | RMC1/16 104FTP  | J24183104 |       | 1-  | B    | c3      |
| R 1319 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1320 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B4      |
| R 1321 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16S 221JTH | J24189017 |       | 1-  | A    | A2      |
| R 1322 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1323 | CHIP RES.   | 10    | 1/4W  | 5%   | RMC1/4 100JATP  | J24245100 |       | 1-  | A    | D3      |
| R 1324 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | B4      |
| R 1325 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | e4      |
| R 1326 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | c3      |
| R 1327 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e3      |
| R 1328 | CHIP RES.   | 2.7k  | 1/16W | 1%   | RMC1/16 272FTP  | J24183272 |       | 1-  | B    | f1      |
| R 1329 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | f1      |
| R 1330 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP | J24185681 |       | 1-  | A    | D4      |
| R 1331 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | B4      |
| R 1332 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | A2      |
| R 1333 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e3      |
| R 1334 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | B3      |
| R 1335 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | B2      |
| R 1336 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | f1      |
| R 1337 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP | J24185681 |       | 1-  | A    | D4      |
| R 1338 | CHIP RES.   | 51    | 1/16W | 1%   | RMC1/16 510FTP  | J24183510 |       | 1-  | A    | E3      |
| R 1339 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | g3      |
| R 1340 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | B3      |
| R 1341 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | c3      |
| R 1342 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | B3      |
| R 1343 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16S 221JTH | J24189017 |       | 1-  | A    | B2      |
| R 1344 | CHIP RES.   | 51    | 1/16W | 1%   | RMC1/16 510FTP  | J24183510 |       | 1-  | A    | E3      |
| R 1346 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | g3      |
| R 1347 | CHIP RES.   | 220k  | 1/16W | 5%   | RMC1/16 224JATP | J24185224 |       | 1-  | A    | D4      |
| R 1348 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B2      |
| R 1349 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | d4      |
| R 1350 | CHIP RES.   | 390   | 1/16W | 5%   | RMC1/16 391JATP | J24185391 |       | 1-  | A    | B2      |
| R 1350 | CHIP RES.   | 150   | 1/16W | 5%   | RMC1/16 151JATP | J24185151 |       | 3-  | A    | B2      |
| R 1351 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | g3      |
| R 1352 | CHIP RES.   | 30k   | 1/16W | 1%   | RMC1/16 303FTP  | J24183303 |       | 1-  | B    | f1      |
| R 1353 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | B3      |
| R 1354 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | A2      |
| R 1355 | CHIP RES.   | 18k   | 1/16W | 5%   | RMC1/16 183JATP | J24185183 |       | 1-  | B    | c3      |
| R 1356 | CHIP RES.   | 68    | 1/16W | 5%   | RMC1/16 680JATP | J24185680 |       | 1-  | A    | B2      |
| R 1357 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | A2      |
| R 1358 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | A2      |
| R 1359 | CHIP RES.   | 30k   | 1/16W | 1%   | RMC1/16 303FTP  | J24183303 |       | 1-  | B    | f1      |
| R 1360 | CHIP RES.   | 18k   | 1/16W | 5%   | RMC1/16 183JATP | J24185183 |       | 1-  | B    | c3      |
| R 1361 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | D4      |
| R 1362 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | c3      |
| R 1363 | CHIP RES.   | 30k   | 1/16W | 1%   | RMC1/16 303FTP  | J24183303 |       | 1-  | B    | e1      |

# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1364 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | D4      |
| R 1365 | CHIP RES.   | 27k   | 1/16W | 1%   | RMC1/16 273FTP  | J24183273 |       | 1-  | B    | g3      |
| R 1366 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | F3      |
| R 1367 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | F3      |
| R 1368 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | D4      |
| R 1369 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | F3      |
| R 1370 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | B    | e1      |
| R 1371 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | c3      |
| R 1372 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | C4      |
| R 1373 | CHIP RES.   | 27k   | 1/16W | 1%   | RMC1/16 273FTP  | J24183273 |       | 1-  | B    | g3      |
| R 1374 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | D4      |
| R 1375 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | B3      |
| R 1376 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | D4      |
| R 1376 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 3-  | A    | D4      |
| R 1377 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | D4      |
| R 1378 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | C4      |
| R 1379 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | e1      |
| R 1380 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | g2      |
| R 1381 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | B    | e1      |
| R 1382 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | D4      |
| R 1383 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | g2      |
| R 1384 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1385 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | B    | e1      |
| R 1386 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e2      |
| R 1387 | CHIP RES.   | 120k  | 1/16W | 5%   | RMC1/16 124JATP | J24185124 |       | 1-  | B    | e2      |
| R 1388 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | C4      |
| R 1389 | CHIP RES.   | 18k   | 1/16W | 5%   | RMC1/16 183JATP | J24185183 |       | 1-  | A    | D4      |
| R 1390 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1   | A    | C4      |
| R 1390 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 2-  | A    | C4      |
| R 1391 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1393 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1394 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1   | A    | B4      |
| R 1394 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 2-  | A    | B4      |
| R 1395 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | e1      |
| R 1396 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | g2      |
| R 1397 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | B    | e1      |
| R 1398 | CHIP RES.   | 120k  | 1/16W | 5%   | RMC1/16 124JATP | J24185124 |       | 1-  | B    | e2      |
| R 1399 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | F3      |
| R 1400 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1401 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | F3      |
| R 1402 | CHIP RES.   | 27k   | 1/16W | 1%   | RMC1/16 273FTP  | J24183273 |       | 1-  | B    | g2      |
| R 1403 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | e1      |
| R 1404 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | B4      |
| R 1405 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | B    | e1      |
| R 1406 | CHIP RES.   | 68    | 1/16W | 5%   | RMC1/16 680JATP | J24185680 |       | 1-  | A    | D5      |
| R 1407 | CHIP RES.   | 150   | 1/16W | 5%   | RMC1/16 151JATP | J24185151 |       | 1-  | A    | D4      |
| R 1408 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | B    | b3      |
| R 1409 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | e2      |
| R 1410 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | F3      |
| R 1411 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | B4      |
| R 1412 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e2      |
| R 1413 | CHIP RES.   | 3.3k  | 1/16W | 1%   | RMC1/16 332FTP  | J24183332 |       | 1-  | B    | d4      |
| R 1414 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1415 | CHIP RES.   | 68    | 1/16W | 5%   | RMC1/16 680JATP | J24185680 |       | 1-  | A    | D5      |
| R 1416 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | B    | b3      |
| R 1417 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | e1      |
| R 1418 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | f2      |
| R 1419 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | e1      |
| R 1419 | CHIP RES.   | 56k   | 1/16W | 5%   | RMC1/16 563JATP | J24185563 |       | 3-  | B    | e1      |
| R 1420 | CHIP RES.   | 4.7k  | 1/16W | 1%   | RMC1/16 472FTP  | J24183472 |       | 1-  | B    | d4      |
| R 1421 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16 105JATP | J24185105 |       | 1-  | B    | e1      |
| R 1422 | CHIP RES.   | 330k  | 1/16W | 5%   | RMC1/16 334JATP | J24185334 |       | 1-  | B    | f2      |
| R 1423 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1424 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1425 | CHIP RES.   | 39k   | 1/16W | 5%   | RMC1/16 393JATP | J24185393 |       | 1-  | A    | F3      |
| R 1426 | CHIP RES.   | 330k  | 1/16W | 5%   | RMC1/16 334JATP | J24185334 |       | 1-  | B    | e2      |
| R 1427 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1428 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | B    | b3      |
| R 1429 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b3      |
| R 1430 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | e1      |
| R 1431 | CHIP RES.   | 180k  | 1/16W | 5%   | RMC1/16 184JATP | J24185184 |       | 1-  | B    | e2      |
| R 1433 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | d4      |
| R 1434 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | e1      |
| R 1435 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | e1      |
| R 1436 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | b3      |



# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1437 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | F3      |
| R 1438 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | e1      |
| R 1439 | CHIP RES.   | 330k  | 1/16W | 5%   | RMC1/16 334JATP | J24185334 |       | 1-  | B    | e1      |
| R 1440 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | B    | g2      |
| R 1441 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | f1      |
| R 1442 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | B4      |
| R 1443 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | e1      |
| R 1444 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | F3      |
| R 1445 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | C4      |
| R 1446 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | e1      |
| R 1447 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | B    | f2      |
| R 1448 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e2      |
| R 1450 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | f2      |
| R 1451 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | A3      |
| R 1452 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A3      |
| R 1453 | CHIP RES.   | 3.3k  | 1/16W | 1%   | RMC1/16 332FTP  | J24183332 |       | 1-  | A    | B4      |
| R 1454 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1455 | CHIP RES.   | 1.5k  | 1/16W | 5%   | RMC1/16 152JATP | J24185152 |       | 1-  | A    | F3      |
| R 1456 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F3      |
| R 1457 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | F3      |
| R 1458 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | e2      |
| R 1460 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b3      |
| R 1461 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16 153JATP | J24185153 |       | 1-  | B    | e2      |
| R 1462 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | F3      |
| R 1463 | CHIP RES.   | 680k  | 1/16W | 5%   | RMC1/16 684JATP | J24185684 |       | 1-  | B    | b4      |
| R 1464 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1465 | CHIP RES.   | 220k  | 1/16W | 5%   | RMC1/16 224JATP | J24185224 |       | 1-  | A    | A3      |
| R 1466 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | b3      |
| R 1467 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1468 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | e1      |
| R 1469 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1470 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | c4      |
| R 1471 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | A3      |
| R 1472 | CHIP RES.   | 10k   | 1/16W | 1%   | RMC1/16 103FTP  | J24183103 |       | 1-  | A    | B4      |
| R 1473 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B5      |
| R 1474 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | f3      |
| R 1475 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | A3      |
| R 1476 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | c3      |
| R 1477 | CHIP RES.   | 10k   | 1/16W | 1%   | RMC1/16 103FTP  | J24183103 |       | 1-  | A    | B4      |
| R 1478 | CHIP RES.   | 10k   | 1/16W | 1%   | RMC1/16 103FTP  | J24183103 |       | 1-  | A    | B5      |
| R 1479 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1480 | CHIP RES.   | 68k   | 1/16W | 5%   | RMC1/16 683JATP | J24185683 |       | 1-  | B    | e1      |
| R 1481 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b4      |
| R 1482 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1483 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A3      |
| R 1484 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | F3      |
| R 1485 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | f3      |
| R 1486 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | c4      |
| R 1487 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | c4      |
| R 1488 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | E4      |
| R 1489 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e1      |
| R 1490 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1491 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e1      |
| R 1492 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | A3      |
| R 1493 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP | J24185681 |       | 1-  | A    | A3      |
| R 1494 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | c4      |
| R 1495 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | c4      |
| R 1496 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | C4      |
| R 1497 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | F4      |
| R 1498 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | E4      |
| R 1499 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | B    | f1      |
| R 1500 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | A3      |
| R 1501 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | A3      |
| R 1502 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | F3      |
| R 1503 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | C4      |
| R 1504 | CHIP RES.   | 200   | 1/16W | 1%   | RMC1/16 201FTP  | J24183201 |       | 1-  | A    | B3      |
| R 1505 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | e2      |
| R 1506 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | e1      |
| R 1507 | CHIP RES.   | 1k    | 1/16W | 1%   | RMC1/16 102FTP  | J24183102 |       | 1-  | B    | f3      |
| R 1508 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | e1      |
| R 1509 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | B3      |
| R 1510 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | A3      |
| R 1511 | CHIP RES.   | 150   | 1/16W | 5%   | RMC1/16 151JATP | J24185151 |       | 1-  | A    | F4      |
| R 1513 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f2      |
| R 1514 | CHIP RES.   | 1k    | 1/16W | 1%   | RMC1/16 102FTP  | J24183102 |       | 1-  | B    | f3      |

# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1515 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | A3      |
| R 1516 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b4      |
| R 1517 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | b4      |
| R 1518 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C4      |
| R 1519 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | e1      |
| R 1520 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | F3      |
| R 1521 | CHIP RES.   | 200   | 1/16W | 1%   | RMC1/16 201FTP  | J24183201 |       | 1-  | A    | B3      |
| R 1522 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | C4      |
| R 1523 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | A3      |
| R 1524 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | A3      |
| R 1525 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | B    | b3      |
| R 1526 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B3      |
| R 1527 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | e2      |
| R 1527 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 4-  | B    | e2      |
| R 1528 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | e2      |
| R 1529 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | F3      |
| R 1530 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | f1      |
| R 1531 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B3      |
| R 1532 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | f1      |
| R 1533 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f1      |
| R 1534 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B3      |
| R 1536 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f1      |
| R 1537 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b4      |
| R 1538 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | b4      |
| R 1539 | CHIP RES.   | 2.2M  | 1/16W | 5%   | RMC1/16 225JATP | J24185225 |       | 1-  | B    | e2      |
| R 1540 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | B    | f1      |
| R 1541 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | F4      |
| R 1543 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | C4      |
| R 1544 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b4      |
| R 1545 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | B    | f1      |
| R 1546 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | B3      |
| R 1547 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | B3      |
| R 1548 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | B3      |
| R 1549 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | D4      |
| R 1550 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | f1      |
| R 1551 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | B3      |
| R 1552 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | B    | f2      |
| R 1553 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | B3      |
| R 1554 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | f1      |
| R 1555 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | f1      |
| R 1556 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | b4      |
| R 1557 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C4      |
| R 1558 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | B3      |
| R 1559 | CHIP RES.   | 330k  | 1/16W | 5%   | RMC1/16 334JATP | J24185334 |       | 1-  | A    | A2      |
| R 1560 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A2      |
| R 1561 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | D4      |
| R 1562 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | f1      |
| R 1563 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | b4      |
| R 1564 | CHIP RES.   | 330k  | 1/16W | 5%   | RMC1/16 334JATP | J24185334 |       | 1-  | B    | b4      |
| R 1565 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | A2      |
| R 1565 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 3   | A    | A2      |
| R 1565 | CHIP RES.   | 43k   | 1/16W | 1%   | RMC1/16 433FTP  | J24183433 |       | 4-  | A    | A2      |
| R 1566 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | B3      |
| R 1567 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | B3      |
| R 1568 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | D4      |
| R 1569 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | b4      |
| R 1570 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | B    | f1      |
| R 1572 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | B    | f1      |
| R 1573 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | b4      |
| R 1574 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | B3      |
| R 1575 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b4      |
| R 1576 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | D4      |
| R 1577 | CHIP RES.   | 4.7   | 1/16W | 5%   | RMC1/16 4R7JATP | J24185479 |       | 1-  | A    | B3      |
| R 1578 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | B3      |
| R 1579 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | g1      |
| R 1581 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | a1      |
| R 1582 | CHIP RES.   | 470k  | 1/16W | 5%   | RMC1/16 474JATP | J24185474 |       | 1-  | B    | f1      |
| R 1583 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | A    | D4      |
| R 1584 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | a2      |
| R 1585 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | a2      |
| R 1586 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16 220JATP | J24185220 |       | 1-  | A    | D4      |
| R 1587 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | B    | f1      |
| R 1588 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | C3      |
| R 1589 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | f1      |
| R 1590 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | A1      |

# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1591 | CHIP RES.   | 4.7   | 1/16W | 5%   | RMC1/16 4R7JATP | J24185479 |       | 1-  | A    | C4      |
| R 1592 | CHIP RES.   | 39    | 1/16W | 5%   | RMC1/16 390JATP | J24185390 |       | 1-  | A    | B3      |
| R 1593 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | F1      |
| R 1594 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1   |      |         |
| R 1595 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | A1      |
| R 1596 | CHIP RES.   | 270   | 1/16W | 5%   | RMC1/16 271JATP | J24185271 |       | 1-  | A    | D4      |
| R 1597 | CHIP RES.   | 18    | 1/16W | 5%   | RMC1/16 180JATP | J24185180 |       | 1-  | A    | B3      |
| R 1598 | CHIP RES.   | 39    | 1/16W | 5%   | RMC1/16 390JATP | J24185390 |       | 1-  | A    | B2      |
| R 1599 | CHIP RES.   | 4.7   | 1/16W | 5%   | RMC1/16 4R7JATP | J24185479 |       | 1-  | A    | D4      |
| R 1600 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f2      |
| R 1601 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | F1      |
| R 1602 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | F1      |
| R 1603 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | F5      |
| R 1604 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A2      |
| R 1605 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | f2      |
| R 1606 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | B    | a2      |
| R 1607 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | A2      |
| R 1608 | CHIP RES.   | 220k  | 1/16W | 5%   | RMC1/16 224JATP | J24185224 |       | 1-  | B    | f2      |
| R 1609 | CHIP RES.   | 220k  | 1/16W | 5%   | RMC1/16 224JATP | J24185224 |       | 1-  | B    | f2      |
| R 1610 | CHIP RES.   | 68k   | 1/16W | 5%   | RMC1/16 683JATP | J24185683 |       | 1-  | B    | f2      |
| R 1611 | CHIP RES.   | 68k   | 1/16W | 5%   | RMC1/16 683JATP | J24185683 |       | 1-  | B    | f2      |
| R 1612 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | a1      |
| R 1613 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | B3      |
| R 1614 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | g2      |
| R 1615 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | B    | a1      |
| R 1616 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E4      |
| R 1617 | CHIP RES.   | 0     | 1/10W | 5%   | RMC1/10T 000J   | J24205000 |       | 1-  | A    | A1      |
| R 1618 | CHIP RES.   | 150k  | 1/16W | 5%   | RMC1/16 154JATP | J24185154 |       | 1-  | A    | A3      |
| R 1619 | CHIP RES.   | 0     | 1/10W | 5%   | RMC1/10T 000J   | J24205000 |       | 1-  | A    | A1      |
| R 1620 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | a2      |
| R 1621 | CHIP RES.   | 2.2k  | 1/16W | 1%   | RMC1/16 222FTP  | J24183222 |       | 1-  | B    | f2      |
| R 1622 | CHIP RES.   | 2.2k  | 1/16W | 1%   | RMC1/16 222FTP  | J24183222 |       | 1-  | B    | f2      |
| R 1623 | CHIP RES.   | 0     | 1W    | 5%   | RMC1 JPATE      | J24305000 |       | 1-  | A    | B1      |
| R 1624 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A3      |
| R 1625 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A3      |
| R 1626 | CHIP RES.   | 470   | 1W    | 5%   | RMC1 471JTE     | J24305471 |       | 1-  | A    | A1      |
| R 1627 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A3      |
| R 1629 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | A3      |
| R 1630 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | a1      |
| R 1631 | CHIP RES.   | 56    | 1/16W | 5%   | RMC1/16 560JATP | J24185560 |       | 1-  | A    | B2      |
| R 1632 | CHIP RES.   | 68k   | 1/16W | 5%   | RMC1/16 683JATP | J24185683 |       | 1-  | B    | f2      |
| R 1633 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | B2      |
| R 1634 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | A3      |
| R 1635 | CHIP RES.   | 220k  | 1/16W | 5%   | RMC1/16 224JATP | J24185224 |       | 1-  | B    | f2      |
| R 1636 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A1      |
| R 1637 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | B2      |
| R 1638 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | A1      |
| R 1639 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | B    | a1      |
| R 1640 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A2      |
| R 1641 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A3      |
| R 1642 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16 153JATP | J24185153 |       | 1-  | B    | f2      |
| R 1643 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A2      |
| R 1644 | CHIP RES.   | 6.8k  | 1/16W | 1%   | RMC1/16 682FTP  | J24183682 |       | 1-  | A    | A2      |
| R 1645 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | a1      |
| R 1646 | CHIP RES.   | 3.3k  | 1/16W | 1%   | RMC1/16 332FTP  | J24183332 |       | 1-  | A    | A2      |
| R 1647 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | f2      |
| R 1648 | CHIP RES.   | 220k  | 1/16W | 5%   | RMC1/16 224JATP | J24185224 |       | 1-  | B    | f2      |
| R 1649 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | A3      |
| R 1650 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A1      |
| R 1651 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A3      |
| R 1652 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A2      |
| R 1653 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A2      |
| R 1654 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | a1      |
| R 1655 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | A    | D4      |
| R 1656 | CHIP RES.   | 22k   | 1/16W | 1%   | RMC1/16 223FTP  | J24183223 |       | 1-  | A    | A2      |
| R 1657 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | A1      |
| R 1658 | CHIP RES.   | 75k   | 1/16W | 1%   | RMC1/16 753FTP  | J24183753 |       | 1-  | A    | A2      |
| R 1659 | CHIP RES.   | 33k   | 1/16W | 1%   | RMC1/16 333FTP  | J24183333 |       | 1-  | A    | A2      |
| R 1660 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | E4      |
| R 1661 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f2      |
| R 1662 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | f2      |
| R 1663 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A2      |
| R 1664 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | g2      |
| R 1665 | CHIP RES.   | 330k  | 1/16W | 1%   | RMC1/16 334FTP  | J24183334 |       | 1-  | A    | A2      |
| R 1666 | CHIP RES.   | 150k  | 1/16W | 1%   | RMC1/16 154FTP  | J24183154 |       | 1-  | A    | A2      |



# MAIN Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1667 | CHIP RES.   | 10k   | 1/16W | 1%   | RMC1/16 103FTP  | J24183103 |       | 1-  | A    | A2      |
| R 1668 | CHIP RES.   | 1.2k  | 1/16W | 5%   | RMC1/16 122JATP | J24185122 |       | 1-  | A    | E4      |
| R 1669 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A3      |
| R 1670 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | E4      |
| R 1671 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A2      |
| R 1671 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 3-  | A    | A2      |
| R 1672 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | a1      |
| R 1673 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | A2      |
| R 1673 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 3-  | A    | A2      |
| R 1674 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16 221JATP | J24185221 |       | 1-  | A    | E5      |
| R 1675 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16 330JATP | J24185330 |       | 1-  | A    | D4      |
| R 1676 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | f2      |
| R 1677 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-2 | A    | A2      |
| R 1678 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | f1      |
| R 1679 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | a1      |
| R 1680 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | F4      |
| R 1681 | CHIP RES.   | 15k   | 1/16W | 1%   | RMC1/16 153FTP  | J24183153 |       | 1-  | B    | f2      |
| R 1682 | CHIP RES.   | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | A2      |
| R 1683 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | D4      |
| R 1683 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16S 471JTH | J24189021 |       | 4-  | A    | D4      |
| R 1684 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | D4      |
| R 1685 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | E4      |
| R 1686 | CHIP RES.   | 68k   | 1/16W | 1%   | RMC1/16 683FTP  | J24183683 |       | 1-  | B    | f2      |
| R 1687 | CHIP RES.   | 330   | 1/4W  | 5%   | RMC1/4 331JATP  | J24245331 |       | 1-  | A    | A1      |
| R 1688 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | E4      |
| R 1690 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | A2      |
| R 1690 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 3-  | A    | A2      |
| R 1691 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | A2      |
| R 1692 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | B    | g2      |
| R 1693 | CHIP RES.   | 3.3   | 1W    | 5%   | RMC1 3R3JTE     | J24305339 |       | 1-  | A    | G4      |
| R 1694 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f2      |
| R 1695 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | B    | f2      |
| R 1696 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | B2      |
| R 1697 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | e2      |
| R 1698 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | A3      |
| R 1701 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A1      |
| R 1702 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | A1      |
| R 1703 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 1-  | A    | C4      |
| R 1704 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16 223JATP | J24185223 |       | 1-  | B    | e1      |
| R 1704 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 4-  | B    | e1      |
| R 1705 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | B    | c4      |
| R 1707 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | B    | c4      |
| R 1708 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | E1      |
| R 1709 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | E1      |
| R 1710 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | E1      |
| R 1711 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A4      |
| R 1712 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A4      |
| R 1713 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A4      |
| R 1714 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH | J24189013 |       | 1-  | A    | F3      |
| R 1715 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | E3      |
| R 1717 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH | J24189013 |       | 1-  | A    | F4      |
| R 1723 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | E4      |
| R 1724 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | E5      |
| R 1725 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | E5      |
| R 1726 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | E4      |
| R 1728 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | E5      |
| R 1730 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | E4      |
| R 1731 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | A    | E5      |
| R 1734 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | E4      |
| R 1735 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16S 470JTH | J24189009 |       | 1-  | A    | B2      |
| R 1736 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | d3      |
| R 1737 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | d3      |
| R 1738 | CHIP RES.   | 68    | 1/16W | 5%   | RMC1/16 680JATP | J24185680 |       | 1-  | B    | d3      |
| R 1739 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | A4      |
| R 1740 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | B3      |
| R 1742 | CHIP RES.   | 15    | 1/16W | 5%   | RMC1/16 150JATP | J24185150 |       | 3-  | A    | B2      |
| R 1744 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b1      |
| R 1745 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | B    | f1      |
| R 1746 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | A    | F1      |
| R 1748 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | A    | E1      |
| R 1749 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | d3      |
| R 1750 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | B    | d3      |
| R 1751 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP | J24185103 |       | 1-  | B    | b1      |
| R 1752 | CHIP RES.   | 220   | 1/10W | 5%   | RMC1/10T 221J   | J24205221 |       | 1-  | A    | F1      |
| R 1753 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | B    | b1      |

# MAIN Unit Parts List

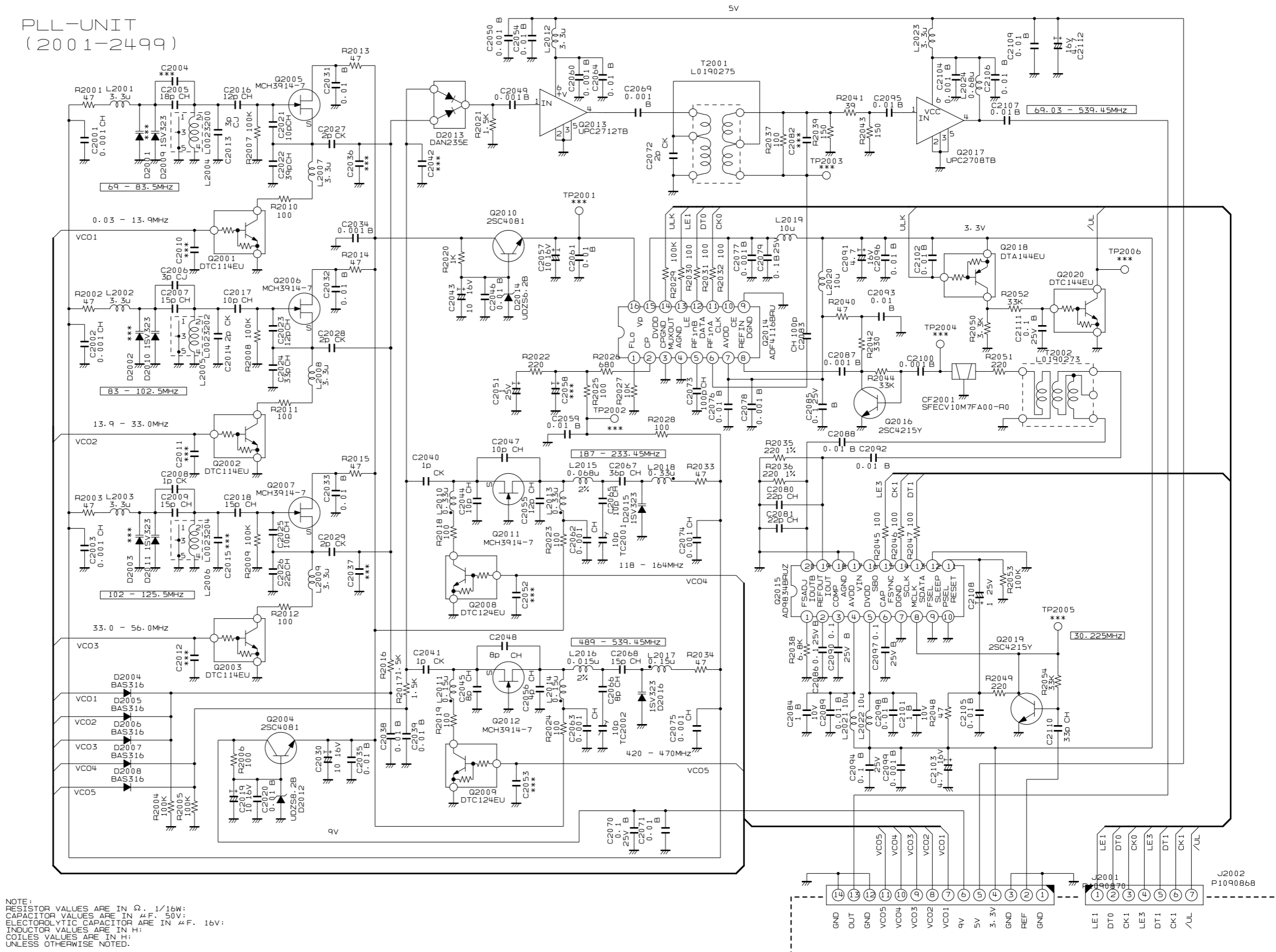
| REF    | DESCRIPTION        | VALUE | V/W   | TOL. | MFR'S DESIG      | YAESU P/N      | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------------|-------|-------|------|------------------|----------------|-------|-----|------|---------|
| R 1754 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c1      |
| R 1755 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | d2      |
| R 1756 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | b1      |
| R 1757 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c2      |
| R 1758 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | c2      |
| R 1759 | CHIP RES.          | 1k    | 1/16W | 5%   | RMC1/16 102JATP  | J24185102      |       | 1-  | B    | c1      |
| R 1760 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | c2      |
| R 1761 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | A    | E2      |
| R 1762 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c2      |
| R 1763 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c2      |
| R 1764 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | c2      |
| R 1765 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | c2      |
| R 1766 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c2      |
| R 1768 | CHIP RES.          | 10k   | 1/16W | 5%   | RMC1/16 103JATP  | J24185103      |       | 1-  | B    | c2      |
| R 1769 | CHIP RES.          | 100   | 1/10W | 5%   | RMC1/10T 101J    | J24205101      |       | 1-  | A    | D3      |
| R 1770 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | c2      |
| R 1771 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c2      |
| R 1772 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | d2      |
| R 1773 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | d2      |
| R 1774 | CHIP RES.          | 220   | 1/10W | 5%   | RMC1/10T 221J    | J24205221      |       | 1-  | B    | c3      |
| R 1775 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | d2      |
| R 1777 | CHIP RES.          | 47k   | 1/16W | 5%   | RMC1/16 473JATP  | J24185473      |       | 1-  | B    | d2      |
| R 1778 | CHIP RES.          | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP  | J24185222      |       | 1-  | B    | a1      |
| R 1779 | CHIP RES.          | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470      |       | 1-  | B    | c1      |
| R 1780 | CHIP RES.          | 220   | 1/16W | 5%   | RMC1/16 221JATP  | J24185221      |       | 1-  | A    | D2      |
| R 1781 | CHIP RES.          | 27    | 1/16W | 5%   | RMC1/16 270JATP  | J24185270      |       | 1-  | A    | D2      |
| R 1781 | CHIP RES.          | 27    | 1/16W | 5%   | RMC1/16S 270JTH  | J24189006      |       | 11- | A    | D2      |
| R 1782 | CHIP RES.          | 220   | 1/16W | 5%   | RMC1/16 221JATP  | J24185221      |       | 1-  | A    | D2      |
| R 1783 | CARBON FILM RES.   | 100k  | 1/6W  | 5%   | RD16TPJ104 100K  | J07225104      |       | 1-  | B    | f3      |
| R 1783 | CHIP RES.          | 100k  | 1/16W | 5%   | RMC1/16 104JATP  | J24185104      |       | 3-  | B    | f3      |
| R 1784 | CHIP RES.          | 6.8k  | 1/10W | 5%   | RMC1/10T 682J    | J24205682      |       | 1-  | B    | f3      |
| R 1784 | CHIP RES.          | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP  | J24185682      |       | 3-  | B    | f3      |
| R 1785 | CHIP RES.          | 6.8k  | 1/10W | 5%   | RMC1/10T 682J    | J24205682      |       | 1-  | B    | f2      |
| R 1785 | CHIP RES.          | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP  | J24185682      |       | 3-  | B    | f2      |
| R 1786 | CHIP RES.          | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP  | J24185682      |       | 1-  | A    | B1      |
| R 1786 | CHIP RES.          | 6.8k  | 1/16W | 5%   | RMC1/16S 682JTH  | J24189035      |       | 3-  | A    | B1      |
| R 1787 | CARBON FILM RES.   | 220k  | 1/6W  | 5%   | RD16PJ224 220K   | J01225224      |       | 1-  | A    | B1      |
| R 1787 | CHIP RES.          | 0     | 1/16W | 5%   | RMC1/16 000JATP  | J24185000      |       | 3-  | A    | B1      |
| R 1788 | CHIP RES.          | 3.3M  | 1/16W | 5%   | RMC1/16 335JATP  | J24185335      |       | 1-  | A    | C4      |
| R 1789 | CHIP RES.          | 100k  | 1/16W | 5%   | RMC1/16S 104JTH  | J24189049      |       | 3-  | A    | A2      |
| R 1790 | CHIP RES.          | 0     | 1/16W | 5%   | RMC1/16 000JATP  | J24185000      |       | 2-3 | A    | C1      |
| R 1791 | CHIP RES.          | 10k   | 1/16W | 5%   | RMC1/16 103JATP  | J24185103      |       | 3-  | A    | B1      |
| R 1793 | CHIP RES.          | 1k    | 1/16W | 5%   | RMC1/16 102JATP  | J24185102      |       | 7-  | B    | e2      |
| R 1794 | CHIP RES.          | 0     | 1/16W | 5%   | RMC1/16 000JATP  | J24185000      |       | 7-  | B    | e2      |
| R 1796 | CHIP RES.          | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP  | J24185332      |       | 3   | B    | g2      |
| R 1796 | CHIP RES.          | 33k   | 1/16W | 1%   | RMC1/16 333FTP   | J24183333      |       | 4-  | B    | g2      |
| R 1797 | CHIP RES.          | 220   | 1/16W | 5%   | RMC1/16 221JATP  | J24185221      |       | 1-  | A    | C1      |
| RL1001 | RELAY              |       | DC12V |      | FTR-B3GA012Z-B10 | DC12V M1190201 |       | 1-  | A    | F1      |
| RL1002 | RELAY              |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209       |       | 1-  | A    | A1      |
| RL1003 | RELAY              |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209       |       | 1-  | A    | F4      |
| RL1004 | RELAY              |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209       |       | 1-  | A    | F3      |
| T 1001 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | F2      |
| T 1002 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | C1      |
| T 1003 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | F2      |
| T 1004 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | D1      |
| T 1005 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | E1      |
| T 1006 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | D1      |
| T 1007 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | C1      |
| T 1008 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | C1      |
| T 1009 | BALUN TRANSFORMERS |       |       |      | 120491012A       | L0023160       |       | 1-  | A    | D2      |
| T 1010 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | C2      |
| T 1011 | BALUN TRANSFORMERS |       |       |      | 120491012A       | L0023160       |       | 1-  | A    | D2      |
| T 1012 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | E2      |
| T 1013 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | E3      |
| T 1014 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | C2      |
| T 1016 | BALUN TRANSFORMERS |       |       |      | #458DB-1616=P3   | L0190246       |       | 1-  | A    | E2      |
| T 1017 | COIL 05RF          |       |       |      | M5-N1 R12-T635Y  | L0022651       |       | 1-  | A    | D3      |
| T 1018 | COIL 05RF          |       |       |      | M5-N1 R12-T661Y  | L0022674       |       | 1-  | A    | B2      |
| T 1019 | BALUN TRANSFORMERS |       |       |      | #458PT-1917      | L0023156       |       | 1-  | A    | D3      |
| T 1020 | BALUN TRANSFORMERS |       |       |      | #458PT-1586      | L0190276       |       | 1-  | A    | D3      |
| T 1021 | COIL 05RF          |       |       |      | M5-N1 R12-T661Y  | L0022674       |       | 1-  | A    | B2      |
| T 1022 | COIL 05RF          |       |       |      | M5-N1 R12-T661Y  | L0022674       |       | 1-  | A    | A2      |
| T 1023 | BALUN TRANSFORMERS |       |       |      | #458PT-1917      | L0023156       |       | 1-  | A    | D3      |
| T 1024 | COIL 05RF          |       |       |      | M5-N1 R12-T661Y  | L0022674       |       | 1-  | A    | A2      |
| T 1025 | COIL 05RF          |       |       |      | 74.62M 010812302 | L0022781       |       | 1-  | A    | F3      |

# MAIN Unit Parts List

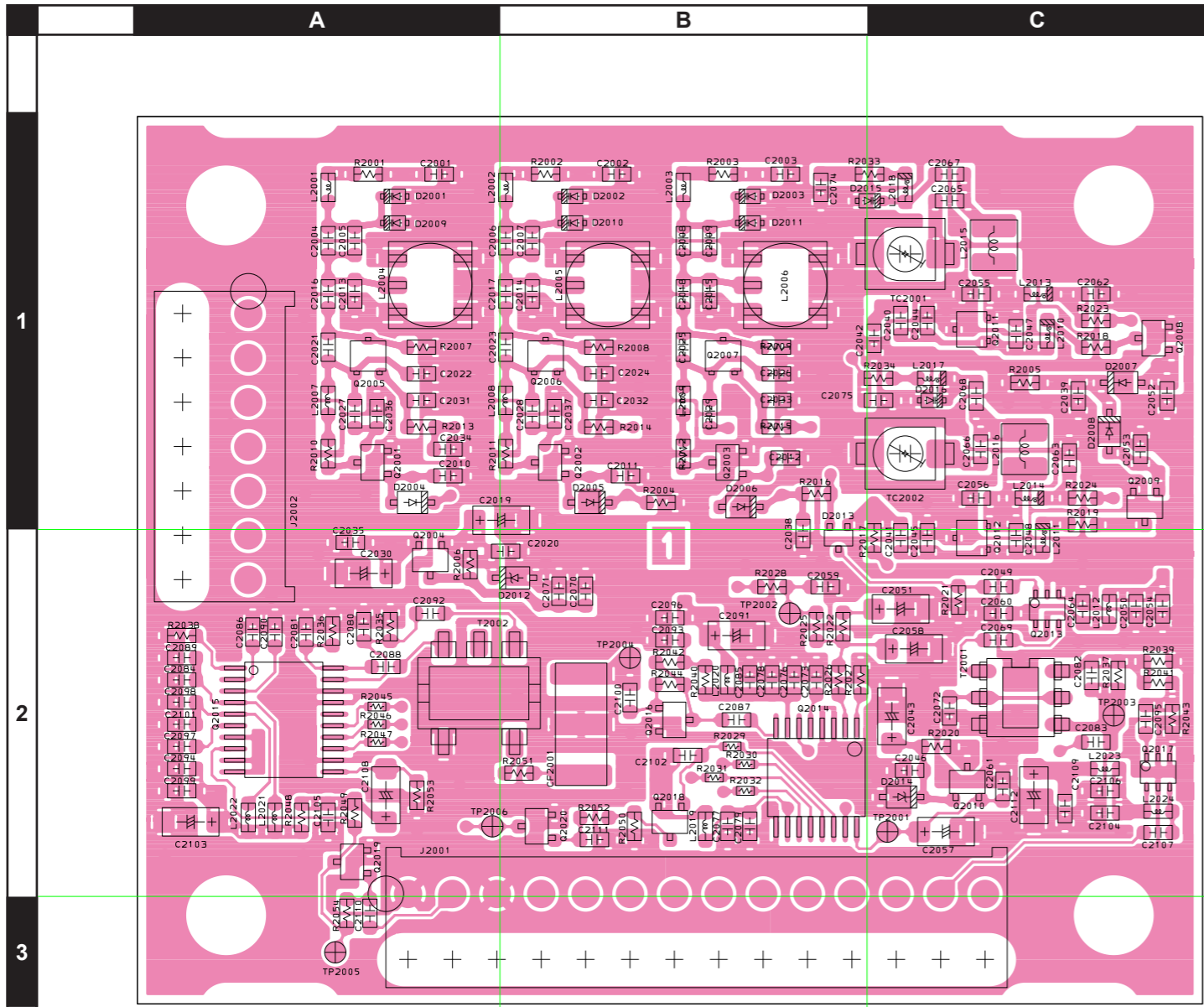
| REF    | DESCRIPTION       | VALUE     | V/W | TOL. | MFR'S DESIG          | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------------|-----------|-----|------|----------------------|-----------|-------|-----|------|---------|
| T 1026 | COIL 05RF         |           |     |      | M5-N1 R12-T661Y      | L0022674  |       | 1-  | A    | F4      |
| T 1027 | COIL 05RF         |           |     |      | M5-N1 R12-T661Y      | L0022674  |       | 1-  | A    | C4      |
| T 1028 | COIL 05RF         |           |     |      | M5-N1 R12-T661Y      | L0022674  |       | 1-  | A    | C4      |
| T 1029 | COIL 05RF         |           |     |      | R12-S970B            | L0022493  |       | 1-  | A    | B2      |
| T 1030 | COIL 05RF         |           |     |      | M5-N1 R12-T661Y      | L0022674  |       | 1-  | A    | D4      |
| T 1031 | BALUN TRANSFOMERS |           |     |      | #458PT-1917          | L0023156  |       | 1-  | A    | F4      |
| T 1032 | BALUN TRANSFOMERS |           |     |      | 080812769            | L0023049  |       | 1-  | A    | B2      |
| T 1033 | COIL 05RF         |           |     |      | M5-N1 R12-T661Y      | L0022674  |       | 1-  | A    | D4      |
| T 1034 | BALUN TRANSFOMERS |           |     |      | #458PT-1917          | L0023156  |       | 1-  | A    | F4      |
| T 1035 | BALUN TRANSFOMERS |           |     |      | 070812735D           | L0023046  |       | 1-  | A    | D4      |
| T 1036 | BALUN TRANSFOMERS |           |     |      | 080812770            | L0023050  |       | 1-  | A    | E4      |
| T 1037 | BALUN TRANSFOMERS |           |     |      | 070812735D           | L0023046  |       | 1-  | A    | D4      |
| T 1038 | BALUN TRANSFOMERS |           |     |      | 080812770            | L0023050  |       | 1-  | A    | E4      |
| T 1039 | BALUN TRANSFOMERS |           |     |      | 110491003            | L0023126  |       | 1-  | A    | E4      |
| T 1040 | BALUN TRANSFOMERS |           |     |      | #617DS-1710          | L0190275  |       | 1-  | A    | F4      |
| TC1001 | TRIMMER CAP.      | 3pF       |     |      | TZC3Z030A110R00      | K91000280 |       | 1-  | A    | E1      |
| TC1002 | TRIMMER CAP.      | 6pF       |     |      | TZC3Z060A110R00      | K91000281 |       | 1-  | A    | D1      |
| TC1003 | TRIMMER CAP.      | 6pF       |     |      | TZC3Z060A110R00      | K91000281 |       | 1-  | A    | D1      |
| TC1004 | TRIMMER CAP.      | 6pF       |     |      | TZC3Z060A110R00      | K91000281 |       | 1-  | A    | C2      |
| TC1006 | TRIMMER CAP.      | 10pF      |     |      | TZB4Z100AB10R00      | K91000279 |       | 1-  | A    | D4      |
| TC1006 | TRIMMER CAP.      | 10pF      |     |      | TZB4Z100AB10R00      | K91000279 |       | 12- | A    | D4      |
| TC1007 | TRIMMER CAP.      | 6pF       |     |      | TZC3Z060A110R00      | K91000281 |       | 1-  | A    | E2      |
| TP1005 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 1-2 | A    | C2      |
| TP1005 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 4-  | A    | C2      |
| TP1006 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 1-  | A    | B2      |
| TP1008 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 1-  | A    | C4      |
| TP1010 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 1-2 |      |         |
| TP1016 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 3-  | A    | E3      |
| TP1024 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 1-  | A    | B2      |
| TP1025 | CHECK TERMINAL    |           |     |      | RCTCTE               | Q5000103  |       | 1-  | A    | F4      |
| VR1001 | POT.              | 10k       |     |      | EVM3YSX50B14         | J51833103 |       | 1-  | A    | A2      |
| X 1001 | XTAL DSX321G      | 24MHz     |     |      | DSX321G 24.000MHZ    | H0103444  |       | 1-  | A    | F4      |
| X 1002 | XTAL DSX321G      | 12MHz     |     |      | DSX321G 12.000MHZ    | H0103442  |       | 1-  | B    | a4      |
| X 1003 | VCTCXO            | 30.225MHz |     |      | DSA321SDM 30.225MHZ  | H9501490  |       | 1-  | A    | B4      |
| XF1001 | XTAL FILTER       |           |     |      | 1D69403GQ1 69.450MHZ | H1102489  |       | 1-  | A    | E3      |
| XF1002 | XTAL FILTER       |           |     |      | 1D69412GQ1 69.450MHZ | H1102488  |       | 1-  | A    | E3      |
| XF1003 | XTAL FILTER       |           |     |      | MF9MB 9.000MHZ       | H1102452  |       | 1-  | A    | E4      |
| XF1004 | XTAL FILTER       |           |     |      | MF9MB 9.000MHZ       | H1102452  |       | 1-  | A    | E4      |
|        | SHIELD CASE       |           |     |      |                      | RA0659300 |       | 1-  |      |         |
|        | SHIELD CASE COVER |           |     |      | (37x30.5)            | RA1152400 |       | 1-  |      |         |
|        | SHIELD CASE       |           |     |      | (21X25)              | RA0830300 |       | 1-  |      |         |
|        | SHIELD CASE COVER |           |     |      | (21X25)              | RA0830400 |       | 1-  |      |         |
|        | SHIELD CASE       |           |     |      | (28x15)              | RA1152200 |       | 1-  |      |         |
|        | SHIELD CASE COVER |           |     |      | (28x15)              | RA1152300 |       | 1-  |      |         |
|        | SHIELD PLATE      |           |     |      |                      | RA6002100 |       | 1-  |      |         |



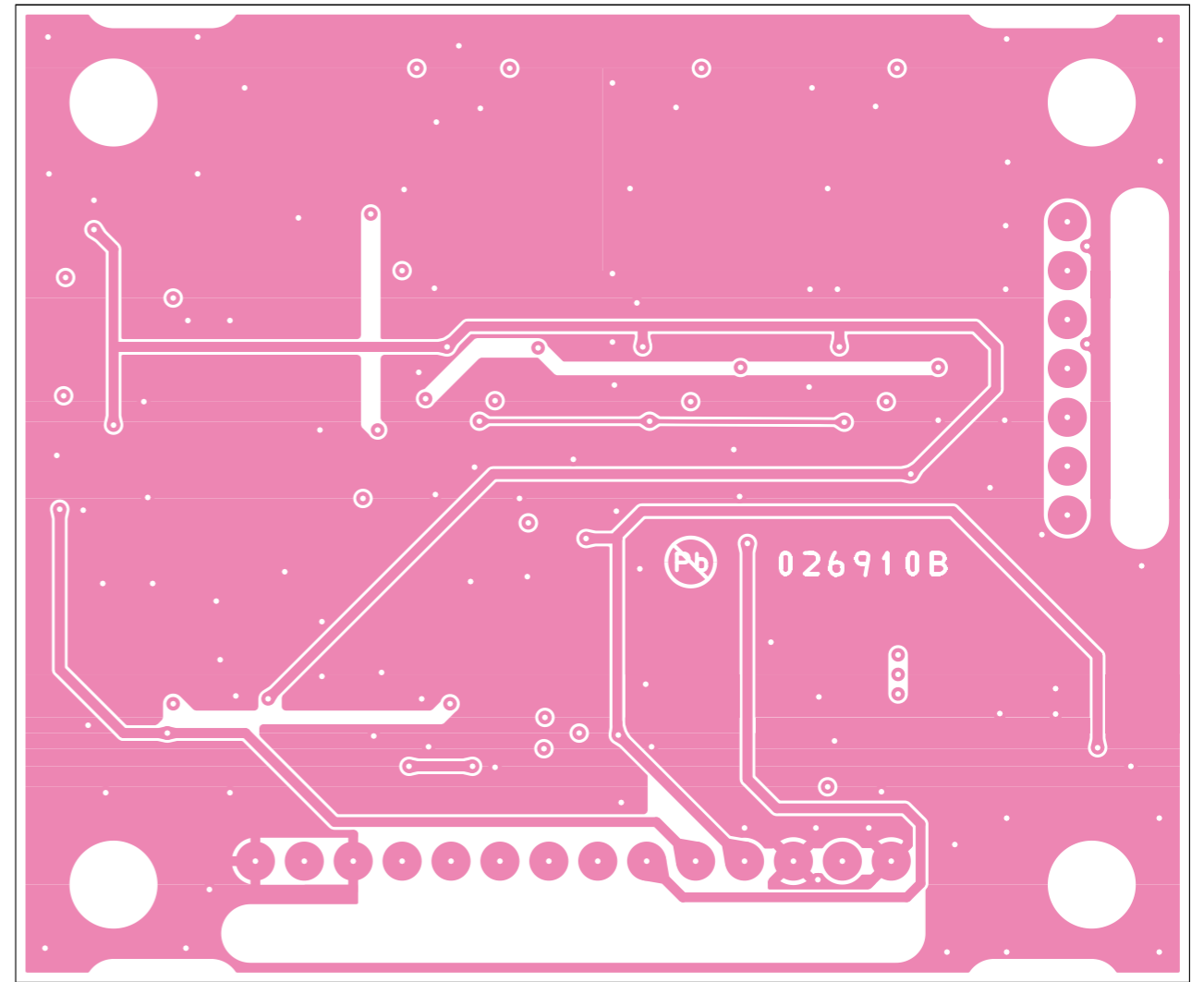
PLL-UNIT  
(2001-2499)



NOTE:  
RESISTOR VALUES ARE IN Ω, 1/16W;  
CAPACITOR VALUES ARE IN μF, 50V;  
ELECTROLYTIC CAPACITORS ARE IN μF, 16V;  
INDUCTOR VALUES ARE IN H;  
COILS VALUES ARE IN H;  
UNLESS OTHERWISE NOTED.



side A



side B

# PLL Unit Parts List

| REF    | DESCRIPTION         | VALUE   | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS.     | LOT | SIDE | LAY ADR |  |
|--------|---------------------|---------|-----|------|--------------------|-----------|-----------|-----|------|---------|--|
|        | PCB with Components |         |     |      |                    |           | CS2344601 |     |      |         |  |
| C 2001 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | A1      |  |
| C 2002 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | B1      |  |
| C 2003 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | B1      |  |
| C 2004 | CHIP CAP.           | 12pF    | 50V | CH   | GRM1882C1H120JA01D | K22174213 |           | 1-  | A    | A1      |  |
| C 2005 | CHIP CAP.           | 18pF    | 50V | CH   | GRM1882C1H180JA01D | K22174217 |           | 1-  | A    | A1      |  |
| C 2006 | CHIP CAP.           | 12pF    | 50V | CH   | GRM1882C1H120JA01D | K22174213 |           | 1-  | A    | B1      |  |
| C 2007 | CHIP CAP.           | 15pF    | 50V | CH   | GRM1882C1H150JA01D | K22174215 |           | 1-  | A    | B1      |  |
| C 2008 | CHIP CAP.           | 2pF     | 50V | CK   | GRM1884C1H2R0BA01D | K22174272 |           | 1   | A    | B1      |  |
| C 2008 | CHIP CAP.           | 8pF     | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |           | 2-  | A    | B1      |  |
| C 2009 | CHIP CAP.           | 27pF    | 50V | CH   | GRM1882C1H270JA01D | K22174221 |           | 1   | A    | B1      |  |
| C 2009 | CHIP CAP.           | 27pF    | 50V | CH   | GRM1882C1H270JA01D | K22174221 |           | 2-  | A    | B1      |  |
| C 2013 | CHIP CAP.           | 11pF    | 50V | CH   | GRM1882C1H110JA01D | K22174212 |           | 1-  | A    | A1      |  |
| C 2014 | CHIP CAP.           | 3pF     | 50V | CJ   | GRM1883C1H3R0CA01D | K22174204 |           | 1-  | A    | B1      |  |
| C 2015 | CHIP CAP.           | 4pF     | 50V | CH   | GRM1882C1H4R0CA01D | K22174205 |           | 1   | A    | B1      |  |
| C 2015 | CHIP CAP.           | 3pF     | 50V | CJ   | GRM1883C1H3R0CA01D | K22174204 |           | 2-  | A    | B1      |  |
| C 2016 | CHIP CAP.           | 10pF    | 50V | CH   | GRM1882C1H100JA01D | K22174211 |           | 1-  | A    | A1      |  |
| C 2017 | CHIP CAP.           | 8pF     | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |           | 1-  | A    | B1      |  |
| C 2018 | CHIP CAP.           | 8pF     | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |           | 1   | A    | B1      |  |
| C 2018 | CHIP CAP.           | 9pF     | 50V | CH   | GRM1882C1H9R0DA01D | K22174210 |           | 2-  | A    | B1      |  |
| C 2019 | CHIP TA.CAP.        | 10uF    | 16V |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | B1      |  |
| C 2020 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B2      |  |
| C 2021 | CHIP CAP.           | 10pF    | 50V | CH   | GRM1882C1H100JA01D | K22174211 |           | 1-  | A    | A1      |  |
| C 2022 | CHIP CAP.           | 39pF    | 50V | CH   | GRM1882C1H390JA01D | K22174225 |           | 1-  | A    | A1      |  |
| C 2023 | CHIP CAP.           | 12pF    | 50V | CH   | GRM1882C1H120JA01D | K22174213 |           | 1-  | A    | B1      |  |
| C 2024 | CHIP CAP.           | 33pF    | 50V | CH   | GRM1882C1H330JA01D | K22174223 |           | 1-  | A    | B1      |  |
| C 2025 | CHIP CAP.           | 12pF    | 50V | CH   | GRM1882C1H120JA01D | K22174213 |           | 1-  | A    | B1      |  |
| C 2026 | CHIP CAP.           | 27pF    | 50V | CH   | GRM1882C1H270JA01D | K22174221 |           | 1-  | A    | B1      |  |
| C 2027 | CHIP CAP.           | 2pF     | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |           | 1-  | A    | A1      |  |
| C 2028 | CHIP CAP.           | 2pF     | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |           | 1-  | A    | B1      |  |
| C 2029 | CHIP CAP.           | 2pF     | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |           | 1-  | A    | B1      |  |
| C 2030 | CHIP TA.CAP.        | 10uF    | 16V |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | A2      |  |
| C 2031 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | A1      |  |
| C 2032 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B1      |  |
| C 2033 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B1      |  |
| C 2034 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | A1      |  |
| C 2035 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | A2      |  |
| C 2038 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B2      |  |
| C 2039 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | C1      |  |
| C 2040 | CHIP CAP.           | 1pF     | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |           | 1-  | A    | C1      |  |
| C 2041 | CHIP CAP.           | 1pF     | 50V | CK   | GRM1884C1H1R0BA01D | K22174267 |           | 1-  | A    | C2      |  |
| C 2043 | CHIP TA.CAP.        | 10uF    | 16V |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | C2      |  |
| C 2044 | CHIP CAP.           | 12pF    | 50V | CH   | GRM1882C1H120JA01D | K22174213 |           | 1-  | A    | C1      |  |
| C 2045 | CHIP CAP.           | 6pF     | 50V | CH   | GRM1882C1H6R0DA01D | K22174207 |           | 1-  | A    | C2      |  |
| C 2046 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | C2      |  |
| C 2047 | CHIP CAP.           | 12pF    | 50V | CH   | GRM1882C1H120JA01D | K22174213 |           | 1-  | A    | C1      |  |
| C 2048 | CHIP CAP.           | 6pF     | 50V | CH   | GRM1882C1H6R0DA01D | K22174207 |           | 1-  | A    | C2      |  |
| C 2049 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | C2      |  |
| C 2050 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | C2      |  |
| C 2051 | CHIP TA.CAP.        | 1uF     | 25V |      | TMCMA1E105MTRF     | K78140013 |           | 1-  | A    | C2      |  |
| C 2054 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | C2      |  |
| C 2055 | CHIP CAP.           | 10pF    | 50V | CH   | GRM1882C1H100JA01D | K22174211 |           | 1-  | A    | C1      |  |
| C 2056 | CHIP CAP.           | 5pF     | 50V | CH   | GRM1882C1H5R0CA01D | K22174206 |           | 1-  | A    | C1      |  |
| C 2057 | CHIP TA.CAP.        | 10uF    | 16V |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | C2      |  |
| C 2059 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B2      |  |
| C 2060 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | C2      |  |
| C 2061 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | C2      |  |
| C 2062 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | C1      |  |
| C 2063 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | C1      |  |
| C 2064 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | C2      |  |
| C 2065 | CHIP CAP.           | 10pF    | 50V | CH   | GRM1882C1H100JA01D | K22174211 |           | 1-  | A    | C1      |  |
| C 2066 | CHIP CAP.           | 8pF     | 50V | CH   | GRM1882C1H8R0DA01D | K22174209 |           | 1   | A    | C1      |  |
| C 2066 | CHIP CAP.           | 9pF     | 50V | CH   | GRM1882C1H9R0CA01D | K22174247 |           | 2-  | A    | C1      |  |
| C 2067 | CHIP CAP.           | 36pF    | 50V | CH   | GRM1882C1H360JA01D | K22174224 |           | 1-  | A    | C1      |  |
| C 2068 | CHIP CAP.           | 15pF    | 50V | CH   | GRM1882C1H150JA01D | K22174215 |           | 1-  | A    | C1      |  |
| C 2069 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | C2      |  |
| C 2070 | CHIP CAP.           | 0.1uF   | 25V | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | B2      |  |
| C 2071 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B2      |  |
| C 2072 | CHIP CAP.           | 2pF     | 50V | CK   | GRM1884C1H2R0CA01D | K22174203 |           | 1-  | A    | C2      |  |
| C 2073 | CHIP CAP.           | 100pF   | 50V | CH   | GRM1882C1H101JA01D | K22174235 |           | 1-  | A    | B2      |  |
| C 2074 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | B1      |  |
| C 2075 | CHIP CAP.           | 0.001uF | 50V | CH   | GRM1882C1H102JA01D | K22174275 |           | 1-  | A    | C1      |  |
| C 2076 | CHIP CAP.           | 0.01uF  | 50V | B    | GRM188B11H103KA01D | K22174823 |           | 1-  | A    | B2      |  |
| C 2077 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | B2      |  |
| C 2078 | CHIP CAP.           | 0.001uF | 50V | B    | GRM188B11H102KA01D | K22174821 |           | 1-  | A    | B2      |  |



# PLL Unit Parts List

| REF    | DESCRIPTION    | VALUE   | V/W | TOL. | MFR'S DESIG         | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|----------------|---------|-----|------|---------------------|-----------|-------|-----|------|---------|
| C 2079 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | B2      |
| C 2080 | CHIP CAP.      | 22pF    | 50V | CH   | GRM1882C1H220JA01D  | K22174219 |       | 1-  | A    | A2      |
| C 2081 | CHIP CAP.      | 22pF    | 50V | CH   | GRM1882C1H220JA01D  | K22174219 |       | 1-  | A    | A2      |
| C 2083 | CHIP CAP.      | 100pF   | 50V | CH   | GRM1882C1H101JA01D  | K22174235 |       | 1-  | A    | C2      |
| C 2084 | CHIP CAP.      | 1uF     | 10V | B    | GRM188B11A105KA61D  | K22104808 |       | 1-  | A    | A2      |
| C 2085 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | B2      |
| C 2086 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | A2      |
| C 2087 | CHIP CAP.      | 0.001uF | 50V | B    | GRM188B11H102KA01D  | K22174821 |       | 1-  | A    | B2      |
| C 2088 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | A2      |
| C 2089 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | A2      |
| C 2090 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | A2      |
| C 2091 | CHIP TA.CAP.   | 4.7uF   | 16V |      | TMCMA1C475MTRF      | K78120031 |       | 1-  | A    | B2      |
| C 2092 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | A2      |
| C 2093 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | B2      |
| C 2094 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | A2      |
| C 2095 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | C2      |
| C 2096 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | B2      |
| C 2097 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | A2      |
| C 2098 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | A2      |
| C 2099 | CHIP CAP.      | 0.001uF | 50V | B    | GRM188B11H102KA01D  | K22174821 |       | 1-  | A    | A2      |
| C 2100 | CHIP CAP.      | 22pF    | 50V | CH   | GRM1882C1H220JA01D  | K22174219 |       | 1-  | A    | B2      |
| C 2101 | CHIP CAP.      | 1uF     | 10V | B    | GRM188B11A105KA61D  | K22104808 |       | 1-  | A    | A2      |
| C 2102 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | B2      |
| C 2103 | CHIP TA.CAP.   | 4.7uF   | 16V |      | TMCMA1C475MTRF      | K78120031 |       | 1-  | A    | A2      |
| C 2104 | CHIP CAP.      | 0.001uF | 50V | B    | GRM188B11H102KA01D  | K22174821 |       | 1-  | A    | C2      |
| C 2105 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | A2      |
| C 2106 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | C2      |
| C 2107 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | C2      |
| C 2108 | CHIP TA.CAP.   | 1uF     | 25V |      | TMCMA1E105MTRF      | K78140013 |       | 1-  | A    | A2      |
| C 2109 | CHIP CAP.      | 0.01uF  | 50V | B    | GRM188B11H103KA01D  | K22174823 |       | 1-  | A    | C2      |
| C 2110 | CHIP CAP.      | 33pF    | 50V | CH   | GRM1882C1H330JA01D  | K22174223 |       | 1-  | A    | A3      |
| C 2111 | CHIP CAP.      | 0.1uF   | 25V | B    | GRM188B11E104KA01D  | K22144814 |       | 1-  | A    | B2      |
| C 2112 | CHIP TA.CAP.   | 4.7uF   | 16V |      | TMCMA1C475MTRF      | K78120031 |       | 1-  | A    | C2      |
| CF2001 | CERAMIC FILTER |         |     |      | SFECV10M7FA00-R0-TC | H3900537  |       | 1-  | A    | B2      |
| D 2001 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 1-  | A    | A1      |
| D 2002 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 1-  | A    | B1      |
| D 2003 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 1-  | A    | B1      |
| D 2004 | DIODE          |         |     |      | BAS316              | G2070716  |       | 1-  | A    | A1      |
| D 2005 | DIODE          |         |     |      | BAS316              | G2070716  |       | 1-  | A    | B1      |
| D 2006 | DIODE          |         |     |      | BAS316              | G2070716  |       | 1-  | A    | B1      |
| D 2007 | DIODE          |         |     |      | BAS316              | G2070716  |       | 1-  | A    | C1      |
| D 2008 | DIODE          |         |     |      | BAS316              | G2070716  |       | 1-  | A    | C1      |
| D 2009 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 1-  | A    | A1      |
| D 2010 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 1-  | A    | B1      |
| D 2011 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 1   | A    | B1      |
| D 2011 | DIODE          |         |     |      | 1SV325(TPH3.F)      | G2070848  |       | 2-  | A    | B1      |
| D 2012 | DIODE          |         |     |      | UDZS TE-17 8.2B     | G2070890  |       | 1-  | A    | B2      |
| D 2013 | DIODE          |         |     |      | DAN235E TL          | G2070612  |       | 1-  | A    | B2      |
| D 2014 | DIODE          |         |     |      | UDZS TE-17 6.2B     | G2070912  |       | 1-  | A    | C2      |
| D 2015 | DIODE          |         |     |      | 1SV323(TPH3.F)      | G2071006  |       | 1-  | A    | C1      |
| D 2016 | DIODE          |         |     |      | 1SV323(TPH3.F)      | G2071006  |       | 1-  | A    | C1      |
| J 2001 | CONNECTOR      |         |     |      | IMSA-9133S-14D      | P1090870  |       | 1-  | A    | A3      |
| J 2002 | CONNECTOR      |         |     |      | IMSA-9133S-07D      | P1090868  |       | 1-  | A    | A1      |
| L 2001 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | A1      |
| L 2002 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | B1      |
| L 2003 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | B1      |
| L 2004 | COIL 05RF      |         |     |      | CS-4N 5203-G002     | L0023020  |       | 1-  | A    | A1      |
| L 2005 | COIL 05RF      |         |     |      | CS-4N 5203-G002     | L0023020  |       | 1-  | A    | B1      |
| L 2006 | COIL 05RF      |         |     |      | CS-4N 5203-G003     | L0023021  |       | 1-  | A    | B1      |
| L 2007 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | A1      |
| L 2008 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | B1      |
| L 2009 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | B1      |
| L 2010 | M.RFC          | 0.47uH  |     |      | HK1608 R47J-T       | L1691577  |       | 1-  | A    | C1      |
| L 2011 | M.RFC          | 0.47uH  |     |      | HK1608 R47J-T       | L1691577  |       | 1-  | A    | C2      |
| L 2012 | M.RFC          | 3.3uH   |     |      | LK1608 3R3K-T       | L1690686  |       | 1-  | A    | C2      |
| L 2013 | M.RFC          | 0.47uH  |     |      | HK1608 R47J-T       | L1691577  |       | 1-  | A    | C1      |
| L 2014 | M.RFC          | 0.47uH  |     |      | HK1608 R47J-T       | L1691577  |       | 1-  | A    | C1      |
| L 2015 | M.RFC          | 0.068uH |     | 2%   | 1008HQ-68NXGLC      | L1691707  |       | 1-  | A    | C1      |
| L 2016 | M.RFC          | 0.015uH |     | 2%   | 1008CS-150XGLC      | L1691660  |       | 1-  | A    | C1      |
| L 2017 | M.RFC          | 0.15uH  |     |      | HK1608 R15J-T       | L1690938  |       | 1-  | A    | C1      |
| L 2018 | M.RFC          | 0.33uH  |     |      | HK1608 R33J-T       | L1691586  |       | 1-  | A    | C1      |
| L 2019 | M.RFC          | 10uH    |     |      | LK1608 100K-T       | L1690689  |       | 1-  | A    | B2      |
| L 2020 | M.RFC          | 10uH    |     |      | LK1608 100K-T       | L1690689  |       | 1-  | A    | B2      |
| L 2021 | M.RFC          | 10uH    |     |      | LK1608 100K-T       | L1690689  |       | 1-  | A    | A2      |
| L 2022 | M.RFC          | 10uH    |     |      | LK1608 100K-T       | L1690689  |       | 1-  | A    | A2      |

# PLL Unit Parts List

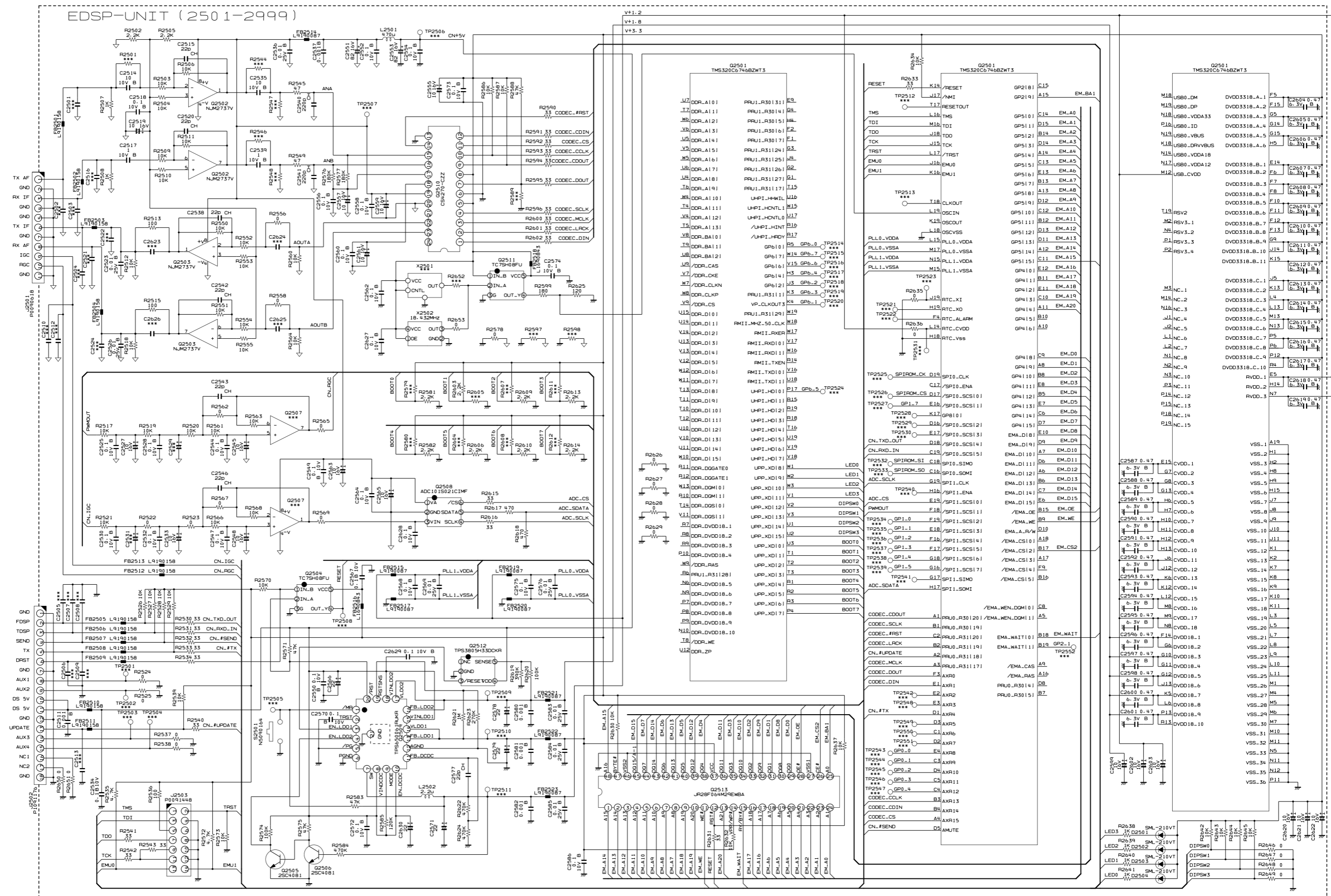
| REF    | DESCRIPTION | VALUE  | V/W   | TOL. | MFR'S DESIG       | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|--------|-------|------|-------------------|-----------|-------|-----|------|---------|
| L 2023 | M.RFC       | 3.3uH  |       |      | LK1608 3R3K-T     | L1690686  |       | 1-  | A    | C2      |
| L 2024 | M.RFC       | 0.68uH |       |      | LK1608 R68K-T     | L1690416  |       | 1-  | A    | C2      |
| Q 2001 | TRANSISTOR  |        |       |      | DTC114EUA T106    | G3070084  |       | 1-  | A    | A1      |
| Q 2002 | TRANSISTOR  |        |       |      | DTC114EUA T106    | G3070084  |       | 1-  | A    | B1      |
| Q 2003 | TRANSISTOR  |        |       |      | DTC114EUA T106    | G3070084  |       | 1-  | A    | B1      |
| Q 2004 | TRANSISTOR  |        |       |      | 2SC4081 T106      | G3340818  |       | 1-  | A    | A2      |
| Q 2005 | FET         |        |       |      | MCH3914-7-TL-H    | G3070439  |       | 1-  | A    | A1      |
| Q 2006 | FET         |        |       |      | MCH3914-7-TL-H    | G3070439  |       | 1-  | A    | B1      |
| Q 2007 | FET         |        |       |      | MCH3914-7-TL-H    | G3070439  |       | 1-  | A    | B1      |
| Q 2008 | TRANSISTOR  |        |       |      | DTC124EUA T106    | G3070045  |       | 1-  | A    | C1      |
| Q 2009 | TRANSISTOR  |        |       |      | DTC124EUA T106    | G3070045  |       | 1-  | A    | C1      |
| Q 2010 | TRANSISTOR  |        |       |      | 2SC4081 T106      | G3340818  |       | 1-  | A    | C2      |
| Q 2011 | FET         |        |       |      | MCH3914-7-TL-H    | G3070439  |       | 1-  | A    | C1      |
| Q 2012 | FET         |        |       |      | MCH3914-7-TL-H    | G3070439  |       | 1-  | A    | C2      |
| Q 2013 | IC          |        |       |      | UPC2712TB-E3      | G1095032  |       | 1-  | A    | C2      |
| Q 2014 | IC          |        |       |      | ADF4116BRUZ(TAPE) | G1093581  |       | 1-  | A    | B2      |
| Q 2015 | IC          |        |       |      | AD9834BRUZ-REEL7  | G1094297  |       | 1-  | A    | A2      |
| Q 2016 | TRANSISTOR  |        |       |      | 2SC4215Y(TE85R.F) | G3342157Y |       | 1-  | A    | B2      |
| Q 2017 | IC          |        |       |      | UPC2708TB-E3      | G1095112  |       | 1-  | A    | C2      |
| Q 2018 | TRANSISTOR  |        |       |      | DTA144EU T106     | G3070079  |       | 1-  | A    | B2      |
| Q 2019 | TRANSISTOR  |        |       |      | 2SC4215Y(TE85R.F) | G3342157Y |       | 1-  | A    | A2      |
| Q 2020 | TRANSISTOR  |        |       |      | DTC144EUA T106    | G3070041  |       | 1-  | A    | B2      |
| R 2001 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | A1      |
| R 2002 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | B1      |
| R 2003 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | B1      |
| R 2004 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16 104JATP   | J24185104 |       | 1-  | A    | B1      |
| R 2005 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16 104JATP   | J24185104 |       | 1-  | A    | C1      |
| R 2006 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16 101JATP   | J24185101 |       | 1-  | A    | A2      |
| R 2007 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16 104JATP   | J24185104 |       | 1-  | A    | A1      |
| R 2008 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16 104JATP   | J24185104 |       | 1-  | A    | B1      |
| R 2009 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16 104JATP   | J24185104 |       | 1-  | A    | B1      |
| R 2010 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | A1      |
| R 2011 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | B1      |
| R 2012 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | B1      |
| R 2013 | CHIP RES.   | 330    | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 1-  | A    | A1      |
| R 2014 | CHIP RES.   | 330    | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 1-  | A    | B1      |
| R 2015 | CHIP RES.   | 330    | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 1-  | A    | B1      |
| R 2016 | CHIP RES.   | 1.5k   | 1/16W | 5%   | RMC1/16 152JATP   | J24185152 |       | 1-  | A    | B1      |
| R 2017 | CHIP RES.   | 1.5k   | 1/16W | 5%   | RMC1/16 152JATP   | J24185152 |       | 1-  | A    | C2      |
| R 2018 | CHIP RES.   | 330    | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 1-  | A    | C1      |
| R 2019 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | C1      |
| R 2020 | CHIP RES.   | 1k     | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | C2      |
| R 2020 | CHIP RES.   | 150    | 1/16W | 5%   | RMC1/16 151JATP   | J24185151 |       | 10- | A    | C2      |
| R 2021 | CHIP RES.   | 1.5k   | 1/16W | 5%   | RMC1/16 152JATP   | J24185152 |       | 1-  | A    | C2      |
| R 2022 | CHIP RES.   | 680    | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | A    | B2      |
| R 2023 | CHIP RES.   | 680    | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | A    | C1      |
| R 2024 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | C1      |
| R 2025 | CHIP RES.   | 1k     | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | B2      |
| R 2026 | CHIP RES.   | 1k     | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | B2      |
| R 2027 | CHIP RES.   | 10k    | 1/16W | 5%   | RMC1/16 103JATP   | J24185103 |       | 1-  | A    | C2      |
| R 2028 | CHIP RES.   | 1k     | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | B2      |
| R 2029 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 1-  | A    | B2      |
| R 2030 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16S 101JTH   | J24189013 |       | 1-  | A    | B2      |
| R 2031 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16S 101JTH   | J24189013 |       | 1-  | A    | B2      |
| R 2032 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16S 101JTH   | J24189013 |       | 1-  | A    | B2      |
| R 2033 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | C1      |
| R 2034 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | C1      |
| R 2035 | CHIP RES.   | 220    | 1/16W | 1%   | RMC1/16 221FTP    | J24183221 |       | 1-  | A    | A2      |
| R 2036 | CHIP RES.   | 220    | 1/16W | 1%   | RMC1/16 221FTP    | J24183221 |       | 1-  | A    | A2      |
| R 2037 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16 101JATP   | J24185101 |       | 1-  | A    | C2      |
| R 2038 | CHIP RES.   | 6.8k   | 1/16W | 5%   | RMC1/16 682JATP   | J24185682 |       | 1-  | A    | A2      |
| R 2039 | CHIP RES.   | 150    | 1/16W | 5%   | RMC1/16 151JATP   | J24185151 |       | 1-  | A    | C2      |
| R 2040 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | B2      |
| R 2041 | CHIP RES.   | 39     | 1/16W | 5%   | RMC1/16 390JATP   | J24185390 |       | 1-  | A    | C2      |
| R 2042 | CHIP RES.   | 1k     | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | B2      |
| R 2043 | CHIP RES.   | 150    | 1/16W | 5%   | RMC1/16 151JATP   | J24185151 |       | 1-  | A    | C2      |
| R 2044 | CHIP RES.   | 100k   | 1/16W | 5%   | RMC1/16 104JATP   | J24185104 |       | 1-  | A    | B2      |
| R 2045 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16S 101JTH   | J24189013 |       | 1-  | A    | A2      |
| R 2046 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16S 101JTH   | J24189013 |       | 1-  | A    | A2      |
| R 2047 | CHIP RES.   | 100    | 1/16W | 5%   | RMC1/16S 101JTH   | J24189013 |       | 1-  | A    | A2      |
| R 2048 | CHIP RES.   | 47     | 1/16W | 5%   | RMC1/16 470JATP   | J24185470 |       | 1-  | A    | A2      |
| R 2049 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | A2      |
| R 2050 | CHIP RES.   | 3.3k   | 1/16W | 5%   | RMC1/16 332JATP   | J24185332 |       | 1-  | A    | B2      |
| R 2051 | CHIP RES.   | 220    | 1/16W | 5%   | RMC1/16 221JATP   | J24185221 |       | 1-  | A    | B2      |
| R 2052 | CHIP RES.   | 33k    | 1/16W | 5%   | RMC1/16 333JATP   | J24185333 |       | 1-  | A    | B2      |

# PLL Unit

## Parts List

| REF    | DESCRIPTION        | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 2053 | CHIP RES.          | 100k  | 1/16W | 5%   | RMC1/16 104JATP | J24185104 |       | 1-  | A    | A2      |
| R 2054 | CHIP RES.          | 33k   | 1/16W | 5%   | RMC1/16 333JATP | J24185333 |       | 1-  | A    | A3      |
| T 2001 | BALUN TRANSFORMERS |       |       |      | #617DS-1710     | L0190275  |       | 1-  | A    | C2      |
| T 2002 | BALUN TRANSFORMERS |       |       |      | #458PT-1565     | L0190273  |       | 1-  | A    | A2      |
| TC2001 | TRIMMER CAP.       | 10pF  |       |      | TZB4Z100AB10R00 | K91000279 |       | 1-  | A    | C1      |
| TC2001 | TRIMMER CAP.       | 10pF  |       |      | TZB4Z100AA10R00 | K91000285 |       | 12- | A    | C1      |
| TC2002 | TRIMMER CAP.       | 10pF  |       |      | TZB4Z100AB10R00 | K91000279 |       | 1-  | A    | C1      |
| TC2002 | TRIMMER CAP.       | 10pF  |       |      | TZB4Z100AA10R00 | K91000285 |       | 12- | A    | C1      |
|        | SHIELD CASE COVER  |       |       |      | (50x60)         | RA6001700 |       | 1-  |      |         |

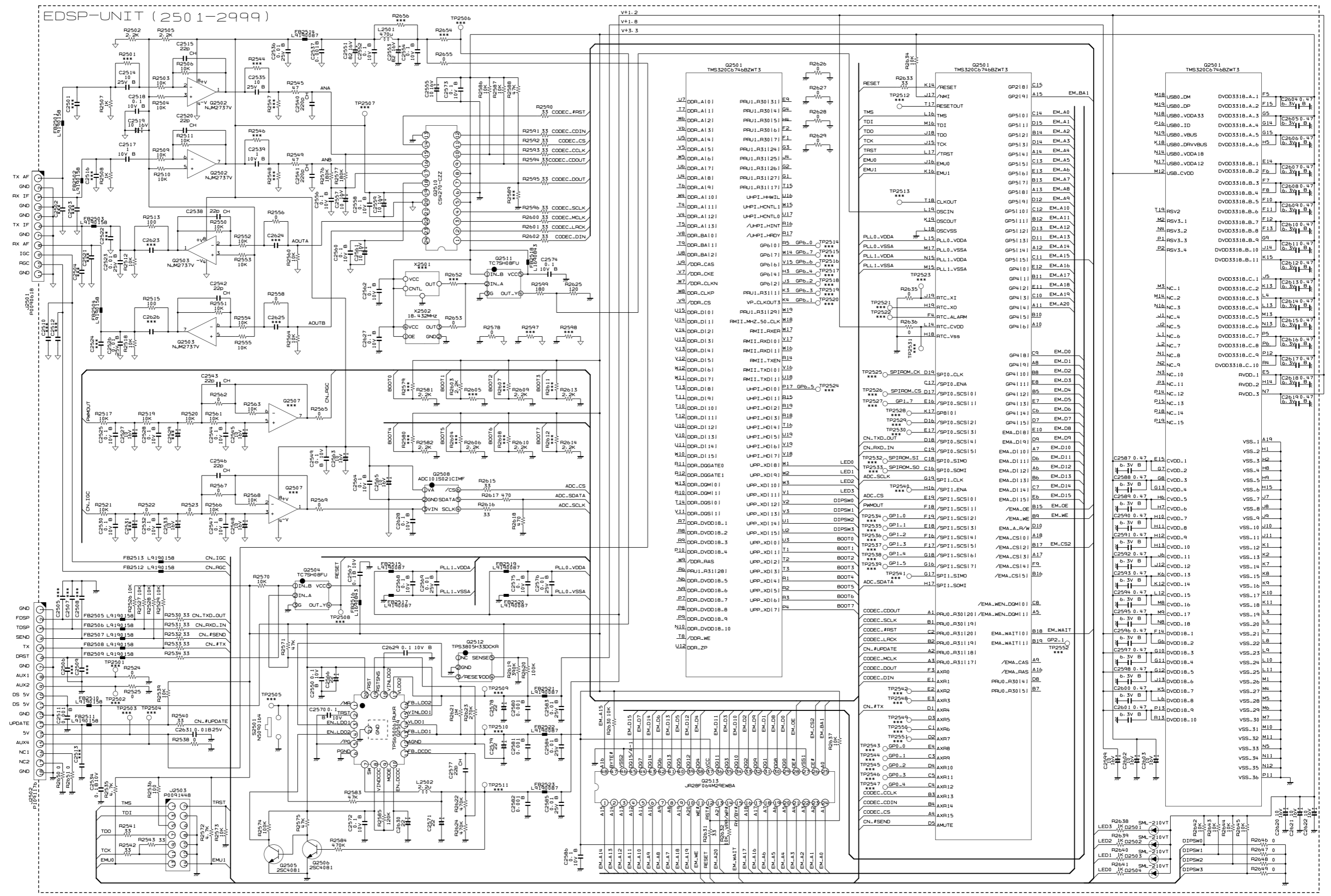






# EDSP Unit (Lot. 4 -)

## Circuit Diagram







# EDSP Unit

## Parts List

| REF    | DESCRIPTION         | VALUE   | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS.     | LOT | SIDE | LAY ADR |  |
|--------|---------------------|---------|------|------|--------------------|-----------|-----------|-----|------|---------|--|
|        | PCB with Components |         |      |      |                    |           | CS2347701 |     |      |         |  |
| C 2511 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM155B11H102KA01D | K22178809 |           | 1-  | A    | A1      |  |
| C 2514 | CHIP CAP.           | 10uF    | 25V  | B    | GRM188R61E106MA73D | K22144818 |           | 1-  | A    | A2      |  |
| C 2515 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | A3      |  |
| C 2517 | CHIP CAP.           | 1uF     | 10V  | B    | GRM155B31A105KE15D | K22108809 |           | 1-  | A    | A2      |  |
| C 2518 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | B2      |  |
| C 2519 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | B2      |  |
| C 2520 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | A3      |  |
| C 2523 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | A3      |  |
| C 2525 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2526 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | A3      |  |
| C 2527 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | A2      |  |
| C 2528 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2530 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2532 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2533 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | A2      |  |
| C 2534 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A1      |  |
| C 2535 | CHIP CAP.           | 10uF    | 25V  | B    | GRM188R61E106MA73D | K22144818 |           | 1-  | A    | A3      |  |
| C 2536 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | B1      |  |
| C 2537 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM155B11H102KA01D | K22178809 |           | 1-  | A    | B1      |  |
| C 2538 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | A3      |  |
| C 2539 | CHIP CAP.           | 1uF     | 10V  | B    | GRM155B31A105KE15D | K22108809 |           | 1-  | A    | A2      |  |
| C 2540 | CHIP CAP.           | 220pF   | 50V  | CH   | GRM1552C1H221JA01D | K22179713 |           | 1-  | A    | A3      |  |
| C 2541 | CHIP CAP.           | 220pF   | 50V  | CH   | GRM1552C1H221JA01D | K22179713 |           | 1-  | A    | A3      |  |
| C 2542 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | A3      |  |
| C 2543 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | A2      |  |
| C 2544 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2545 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | A2      |  |
| C 2546 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | A2      |  |
| C 2547 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2548 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | A2      |  |
| C 2549 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A2      |  |
| C 2550 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | B    | a1      |  |
| C 2551 | AL.ELECTRO.CAP.     | 82uF    | 16V  |      | APXA160ARA820MH70G | K48120022 |           | 1-  | A    | B1      |  |
| C 2552 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | B1      |  |
| C 2553 | AL.ELECTRO.CAP.     | 82uF    | 16V  |      | APXA160ARA820MH70G | K48120022 |           | 1-  | A    | A1      |  |
| C 2554 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A1      |  |
| C 2555 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | B3      |  |
| C 2556 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | A3      |  |
| C 2557 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | B3      |  |
| C 2558 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | B    | c3      |  |
| C 2559 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | B    | c3      |  |
| C 2560 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | B    | c3      |  |
| C 2561 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | B    | c3      |  |
| C 2562 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | D3      |  |
| C 2563 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | A2      |  |
| C 2564 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | B2      |  |
| C 2565 | CHIP TA.CAP.        | 10uF    | 16V  |      | TMCMA1C106MTRF     | K78120077 |           | 1-  | A    | B2      |  |
| C 2566 | CHIP TA.CAP.        | 22uF    |      |      | TPSB226M016Y0600   | K78120075 |           | 1-  | B    | a1      |  |
| C 2567 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | B2      |  |
| C 2568 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | C3      |  |
| C 2569 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | C3      |  |
| C 2570 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | C1      |  |
| C 2571 | CHIP TA.CAP.        | 22uF    |      |      | TPSB226M016Y0600   | K78120075 |           | 1-  | A    | B1      |  |
| C 2572 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | C1      |  |
| C 2573 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | B3      |  |
| C 2574 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | C3      |  |
| C 2575 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | A    | D3      |  |
| C 2576 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | D3      |  |
| C 2577 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1552C1H220JA01D | K22178220 |           | 1-  | A    | C1      |  |
| C 2578 | CHIP TA.CAP.        | 22uF    |      |      | TPSB226M016Y0600   | K78120075 |           | 1-  | A    | C1      |  |
| C 2579 | CHIP TA.CAP.        | 22uF    |      |      | TPSB226M016Y0600   | K78120075 |           | 1-  | A    | C1      |  |
| C 2580 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM155B11H102KA01D | K22178809 |           | 1-  | A    | D1      |  |
| C 2581 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM155B11H102KA01D | K22178809 |           | 1-  | A    | C1      |  |
| C 2582 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM155B11H102KA01D | K22178809 |           | 1-  | A    | B1      |  |
| C 2583 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | D1      |  |
| C 2584 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | C1      |  |
| C 2585 | CHIP CAP.           | 0.01uF  | 25V  | B    | GRM155B11E103KA01D | K22148834 |           | 1-  | A    | B1      |  |
| C 2586 | CHIP CAP.           | 0.1uF   | 10V  | B    | GRM155B11A104KA01D | K22108802 |           | 1-  | B    | c3      |  |
| C 2587 | CHIP CAP.           | 0.47uF  | 6.3V | B    | GRM155B30J474KE18D | K22088802 |           | 1-  | B    | b3      |  |
| C 2588 | CHIP CAP.           | 0.47uF  | 6.3V | B    | GRM155B30J474KE18D | K22088802 |           | 1-  | B    | b3      |  |
| C 2589 | CHIP CAP.           | 0.47uF  | 6.3V | B    | GRM155B30J474KE18D | K22088802 |           | 1-  | B    | b3      |  |
| C 2590 | CHIP CAP.           | 0.47uF  | 6.3V | B    | GRM155B30J474KE18D | K22088802 |           | 1-  | B    | b3      |  |
| C 2591 | CHIP CAP.           | 0.47uF  | 6.3V | B    | GRM155B30J474KE18D | K22088802 |           | 1-  | B    | a3      |  |
| C 2592 | CHIP CAP.           | 0.47uF  | 6.3V | B    | GRM155B30J474KE18D | K22088802 |           | 1-  | B    | b3      |  |

# EDSP Unit

## Parts List

| REF    | DESCRIPTION   | VALUE  | V/W  | TOL. | MFR'S DESIG             | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|--------|------|------|-------------------------|-----------|-------|-----|------|---------|
| C 2593 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2594 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2595 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2596 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2597 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2598 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2599 | CHIP TA.CAP.  | 10uF   | 16V  |      | TMCMA1C106MTRF          | K78120077 |       | 1-  | B    | a3      |
| C 2600 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2601 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2602 | CHIP TA.CAP.  | 10uF   | 16V  |      | TMCMA1C106MTRF          | K78120077 |       | 1-  | B    | b3      |
| C 2603 | CHIP TA.CAP.  | 10uF   | 16V  |      | TMCMA1C106MTRF          | K78120077 |       | 1-  | B    | b3      |
| C 2604 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2605 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2606 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2607 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2608 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2609 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2610 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2611 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2612 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2613 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2614 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2615 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2616 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2617 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2618 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | b3      |
| C 2619 | CHIP CAP.     | 0.47uF | 6.3V | B    | GRM155B30J474KE18D      | K22088802 |       | 1-  | B    | a3      |
| C 2620 | CHIP TA.CAP.  | 10uF   | 16V  |      | TMCMA1C106MTRF          | K78120077 |       | 1-  | B    | a3      |
| C 2621 | CHIP TA.CAP.  | 10uF   | 16V  |      | TMCMA1C106MTRF          | K78120077 |       | 1-  | B    | b3      |
| C 2622 | CHIP TA.CAP.  | 10uF   | 16V  |      | TMCMA1C106MTRF          | K78120077 |       | 1-  | B    | b3      |
| C 2627 | CHIP CAP.     | 0.1uF  | 10V  | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | D3      |
| C 2628 | CHIP CAP.     | 0.1uF  | 10V  | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | B2      |
| C 2629 | CHIP CAP.     | 0.1uF  | 10V  | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | B    | a1      |
| C 2630 | CHIP TA.CAP.  | 22uF   |      |      | TPSB226M016Y0600        | K78120075 |       | 1-  | B    | a1      |
| C 2631 | CHIP CAP.     | 0.01uF | 25V  | B    | GRM155B11E103KA01D      | K22148834 |       | 4-  | A    | A1      |
| D 2501 | LED           |        |      |      | SML-210VTT86            | G2070768  |       | 1   | A    | C3      |
| D 2502 | LED           |        |      |      | SML-210VTT86            | G2070768  |       | 1   | A    | C3      |
| D 2503 | LED           |        |      |      | SML-210VTT86            | G2070768  |       | 1   | A    | C3      |
| D 2504 | LED           |        |      |      | SML-210VTT86            | G2070768  |       | 1   | A    | B3      |
| FB2501 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A3      |
| FB2502 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A3      |
| FB2503 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | B3      |
| FB2504 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | B3      |
| FB2505 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2506 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2507 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2508 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2509 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2510 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2511 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2512 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A2      |
| FB2513 | FERRITE BEADS |        |      |      | FBMH1608HM102-T         | L9190158  |       | 1-  | A    | A1      |
| FB2514 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | B1      |
| FB2515 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | C3      |
| FB2516 | FERRITE BEADS |        |      |      | BLM15AG121SN1D          | L1690843  |       | 1-  | A    | B2      |
| FB2517 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | C3      |
| FB2518 | FERRITE BEADS |        |      |      | BLM15AG121SN1D          | L1690843  |       | 1-  | A    | D3      |
| FB2519 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | D3      |
| FB2520 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | D3      |
| FB2521 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | D1      |
| FB2522 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | C1      |
| FB2523 | FERRITE BEADS |        |      |      | BK2125HS101-T           | L9190087  |       | 1-  | A    | B1      |
| J 2501 | CONNECTOR     |        |      |      | SB20-11WS               | P0090618  |       | 1-  | B    | c3      |
| J 2502 | CONNECTOR     |        |      |      | 18FLT-SM2-TB(LF)(SN)(M) | P1091176  |       | 1-  | A    | A1      |
| J 2503 | CONNECTOR     |        |      |      | A1-14PA-2.54DSA(71)     | P0091448  |       | 1   | A    | D2      |
| JP2501 | WIRE ASSY     |        |      |      | GRN 30 2/2              | T50503000 |       | 1-3 |      |         |
| L 2501 | M.RFC         | 470uH  |      |      | CDRH105RNP-471NC-VS     | L1691359  |       | 4-  | A    | B1      |
| L 2502 | CHIP COIL     | 2.2uH  |      |      | CDRH5D28RHPNP-2R2NC     | L1691819  |       | 1-  | A    | C1      |
| Q 2501 | IC            |        |      |      | TMS320C6746EZWT3        | G1095068  |       | 1-  | A    | C3      |
| Q 2502 | IC            |        |      |      | NJM2737V(TAPE)          | G1094292  |       | 1-  | A    | A2      |
| Q 2503 | IC            |        |      |      | NJM2737V(TAPE)          | G1094292  |       | 1-  | A    | A3      |
| Q 2504 | IC            |        |      |      | TC7SH08FU(TE85L.JF)     | G1094736  |       | 1-  | A    | B2      |
| Q 2505 | TRANSISTOR    |        |      |      | 2SC4081 T106            | G3340818  |       | 1-  | A    | C1      |
| Q 2506 | TRANSISTOR    |        |      |      | 2SC4081 T106            | G3340818  |       | 1-  | A    | C1      |
| Q 2508 | IC            |        |      |      | ADC101S021CIMF          | G1095071  |       | 1-  | A    | B2      |



# EDSP Unit

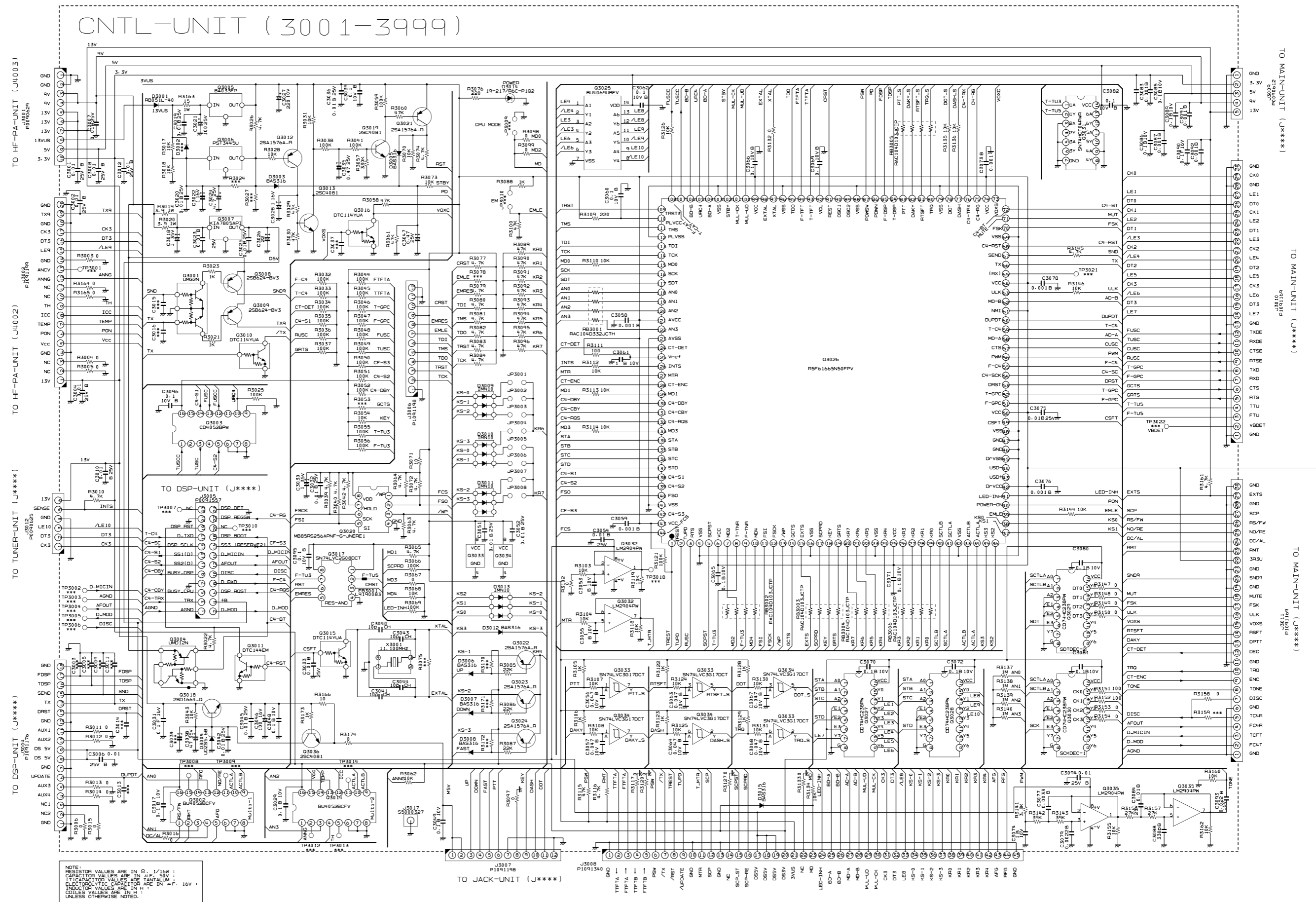
## Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG            | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|------------------------|-----------|-------|-----|------|---------|
| Q 2509 | IC          |       |       |      | TPS650061RUKR          | G1095070  |       | 1-  | A    | C1      |
| Q 2510 | IC          |       |       |      | CS4270-CZZ             | G1094482  |       | 1-  | A    | B3      |
| Q 2511 | IC          |       |       |      | TC7SH08FU(TE85L.JF)    | G1094736  |       | 1-  | A    | D3      |
| Q 2512 | IC          |       |       |      | TPS3805H33DCKR         | G1095072  |       | 1-  | A    | C1      |
| Q 2513 | IC          |       |       |      | JR28F064M29EWBA        | G1095124  |       | 1-  | A    | C2      |
| Q 2513 | IC          |       |       |      | JR28F064M29EWBA YR2023 | G1095142  |       | 2-  | A    | C2      |
| R 2502 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16S 222JTH        | J24189029 |       | 1-  | A    | B2      |
| R 2503 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2504 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2505 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16S 222JTH        | J24189029 |       | 1-  | A    | B2      |
| R 2506 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2507 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH        | J24189025 |       | 1-  | A    | A2      |
| R 2508 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH        | J24189025 |       | 1-  | A    | A2      |
| R 2509 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2510 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2511 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2512 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2513 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH        | J24189013 |       | 1-  | A    | A3      |
| R 2515 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH        | J24189013 |       | 1-  | A    | A3      |
| R 2517 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2518 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2519 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2520 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2521 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2522 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A2      |
| R 2523 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A2      |
| R 2524 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A1      |
| R 2525 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A1      |
| R 2526 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | c1      |
| R 2527 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | c1      |
| R 2528 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | c1      |
| R 2529 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | c1      |
| R 2530 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | A1      |
| R 2531 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | A1      |
| R 2532 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | A1      |
| R 2533 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | A1      |
| R 2534 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | A1      |
| R 2535 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH        | J24189033 |       | 1-  | A    | D2      |
| R 2536 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH        | J24189013 |       | 1-  | A    | D2      |
| R 2538 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A1      |
| R 2539 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | c1      |
| R 2540 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | A1      |
| R 2541 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | D2      |
| R 2542 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | D2      |
| R 2543 | CHIP RES.   | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | A    | D2      |
| R 2545 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16S 470JTH        | J24189009 |       | 1-  | A    | A3      |
| R 2549 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16S 470JTH        | J24189009 |       | 1-  | A    | A3      |
| R 2550 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2551 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2552 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2553 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2554 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2555 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2556 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A3      |
| R 2558 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A3      |
| R 2560 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2561 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2562 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A2      |
| R 2563 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2564 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A3      |
| R 2565 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A2      |
| R 2566 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2567 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A2      |
| R 2568 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | A2      |
| R 2569 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | A    | A2      |
| R 2570 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | B2      |
| R 2571 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH        | J24189045 |       | 1-  | A    | C1      |
| R 2572 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH        | J24189033 |       | 1-  | A    | D2      |
| R 2573 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | A    | D1      |
| R 2574 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | A    | C1      |
| R 2575 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH        | J24189045 |       | 1-  | A    | C1      |
| R 2576 | CHIP RES.   | 180k  | 1/16W | 5%   | RMC1/16S 184JTH        | J24189052 |       | 1-  | A    | A3      |
| R 2577 | CHIP RES.   | 180k  | 1/16W | 5%   | RMC1/16S 184JTH        | J24189052 |       | 1-  | A    | A3      |
| R 2578 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP        | J24185000 |       | 1-  | A    | A3      |
| R 2581 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16S 222JTH        | J24189029 |       | 1-  | A    | B3      |

# EDSP Unit

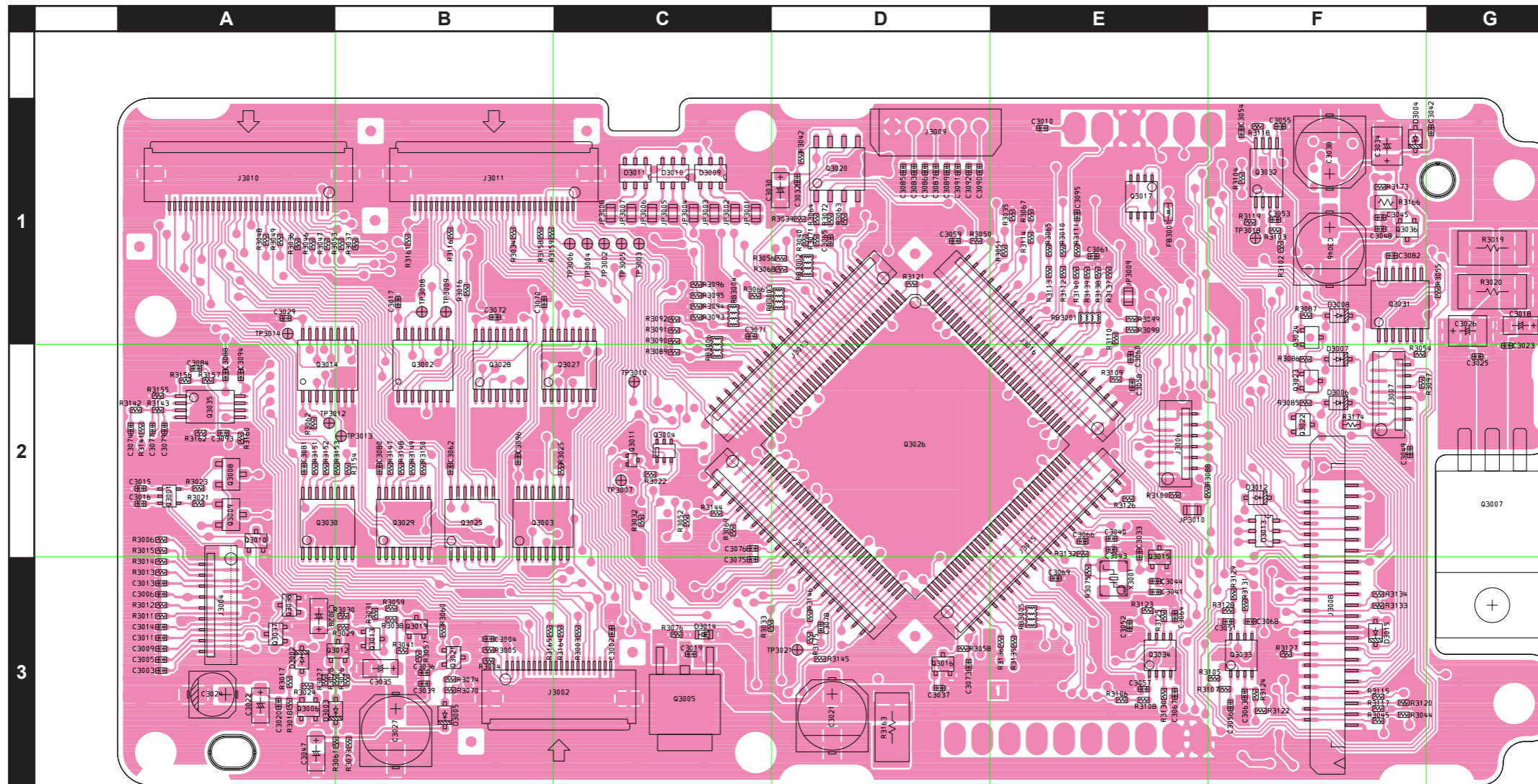
## Parts List

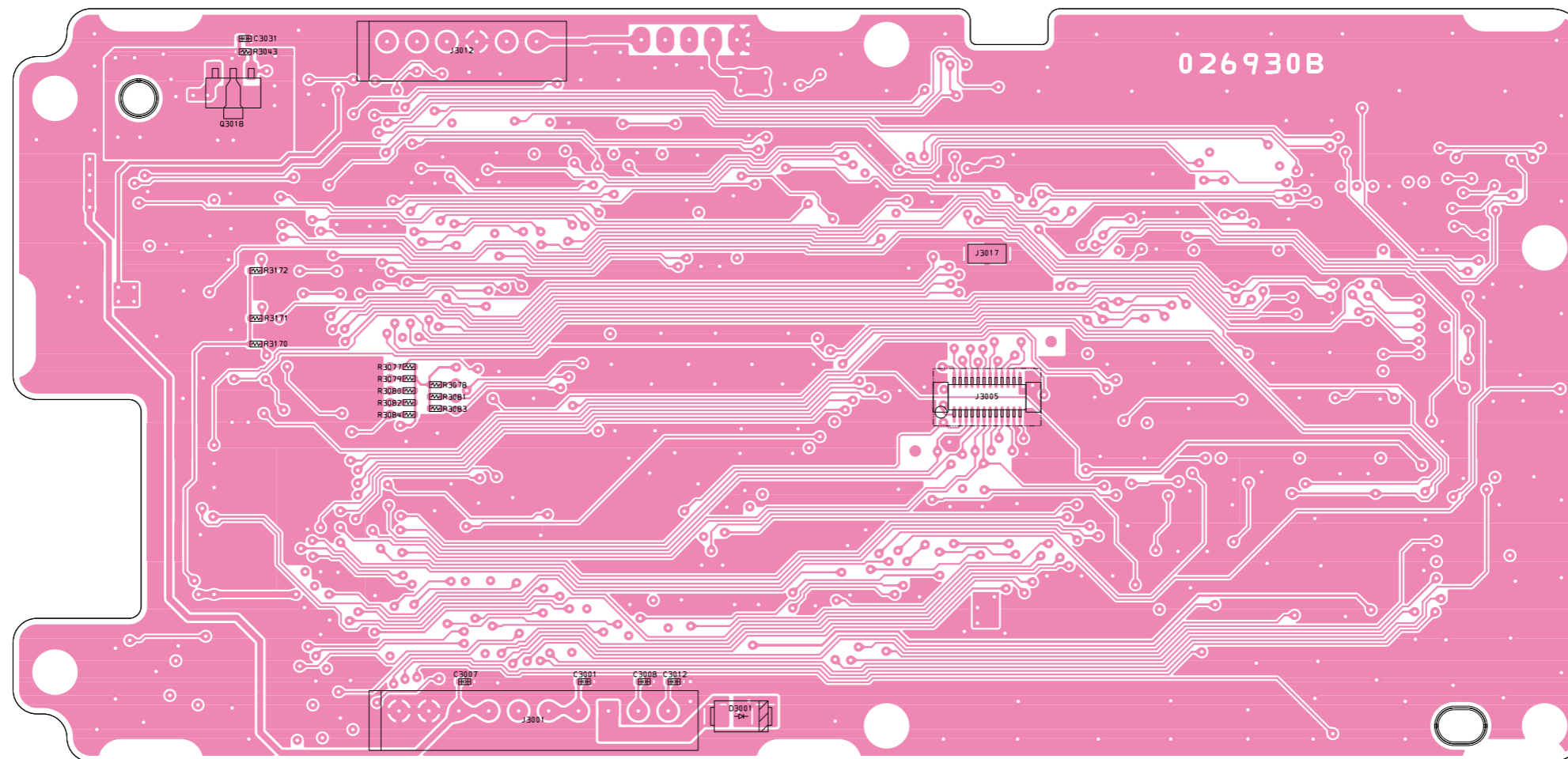
| REF    | DESCRIPTION | VALUE     | V/W   | TOL. | MFR'S DESIG          | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-----------|-------|------|----------------------|-----------|-------|-----|------|---------|
| R 2582 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2583 | CHIP RES.   | 47k       | 1/16W | 5%   | RMC1/16S 473JTH      | J24189045 |       | 1-  | A    | C1      |
| R 2584 | CHIP RES.   | 470k      | 1/16W | 5%   | RMC1/16S 474JTH      | J24189057 |       | 1-  | A    | C1      |
| R 2585 | CHIP RES.   | 120k      | 1/16W | 5%   | RMC1/16S 124JTH      | J24189050 |       | 1-  | A    | C1      |
| R 2586 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | B    | c2      |
| R 2587 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | B    | c3      |
| R 2588 | CHIP RES.   | 47k       | 1/16W | 5%   | RMC1/16S 473JTH      | J24189045 |       | 1-  | B    | c3      |
| R 2590 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B2      |
| R 2591 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B2      |
| R 2592 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B2      |
| R 2593 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2594 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2595 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2596 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2599 | CHIP RES.   | 180       | 1/16W | 5%   | RMC1/16S 181JTH      | J24189016 |       | 1-  | A    | C3      |
| R 2600 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2601 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2602 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B3      |
| R 2603 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2606 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2609 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2610 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2613 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2614 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B3      |
| R 2615 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B2      |
| R 2616 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | B2      |
| R 2617 | CHIP RES.   | 470       | 1/16W | 5%   | RMC1/16S 471JTH      | J24189021 |       | 1-  | A    | B2      |
| R 2618 | CHIP RES.   | 470       | 1/16W | 5%   | RMC1/16S 471JTH      | J24189021 |       | 1-  | A    | B2      |
| R 2619 | CHIP RES.   | 390k      | 1/16W | 5%   | RMC1/16S 394JTH      | J24189056 |       | 1-  | A    | C1      |
| R 2620 | CHIP RES.   | 100k      | 1/16W | 5%   | RMC1/16S 104JTH      | J24189049 |       | 1-  | A    | C1      |
| R 2621 | CHIP RES.   | 1M        | 1/16W | 5%   | RMC1/16S 105JTH      | J24189061 |       | 1-  | A    | C1      |
| R 2622 | CHIP RES.   | 470k      | 1/16W | 5%   | RMC1/16S 474JTH      | J24189057 |       | 1-  | A    | C1      |
| R 2623 | CHIP RES.   | 270k      | 1/16W | 5%   | RMC1/16S 274JTH      | J24189054 |       | 1-  | A    | C1      |
| R 2624 | CHIP RES.   | 470k      | 1/16W | 5%   | RMC1/16S 474JTH      | J24189057 |       | 1-  | A    | C1      |
| R 2625 | CHIP RES.   | 120       | 1/16W | 5%   | RMC1/16S 121JTH      | J24189014 |       | 1-  | A    | C3      |
| R 2626 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16 000JATP      | J24185000 |       | 1-  | A    | A1      |
| R 2627 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16 000JATP      | J24185000 |       | 1-  | A    | A3      |
| R 2628 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16 000JATP      | J24185000 |       | 1-  | A    | D3      |
| R 2629 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16 000JATP      | J24185000 |       | 1-  | A    | D1      |
| R 2630 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B2      |
| R 2631 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | C2      |
| R 2632 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | C2      |
| R 2633 | CHIP RES.   | 33        | 1/16W | 5%   | RMC1/16S 330JTH      | J24189007 |       | 1-  | A    | C2      |
| R 2634 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | C3      |
| R 2635 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | C3      |
| R 2636 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | C3      |
| R 2637 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | C2      |
| R 2638 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1   | A    | C3      |
| R 2639 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1   | A    | C3      |
| R 2640 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1   | A    | C3      |
| R 2641 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1   | A    | C3      |
| R 2642 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B3      |
| R 2643 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B3      |
| R 2644 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B3      |
| R 2645 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B3      |
| R 2646 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B3      |
| R 2647 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B3      |
| R 2648 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B3      |
| R 2649 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B3      |
| R 2650 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | A1      |
| R 2651 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | A1      |
| R 2653 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | D3      |
| R 2655 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 4-  | A    | A1      |
| S 2501 | TACT SWITCH |           |       |      | SKQMBBE010           | N5090164  |       | 1   | A    | B1      |
| X 2502 | SPXO        | 18.482MHz |       |      | DSO221SWAH 18.432MHz | H0103452  |       | 1-  | A    | D3      |
|        | SHIELD CASE |           |       |      |                      | RA0060200 |       | 1-  |      |         |



NOTE:  
RESISTOR VALUES ARE IN Ω, 1/10Ω,  
CAPACITOR VALUES ARE IN pF, 100pF,  
1μF, 10μF, 100μF, 1mF, 10mF,  
ELECTROLYTIC CAPACITORS ARE IN μF, 10μF,  
INDUCTOR VALUES ARE IN mH,  
COILS VALUES ARE IN H,  
UNLESS OTHERWISE NOTED.

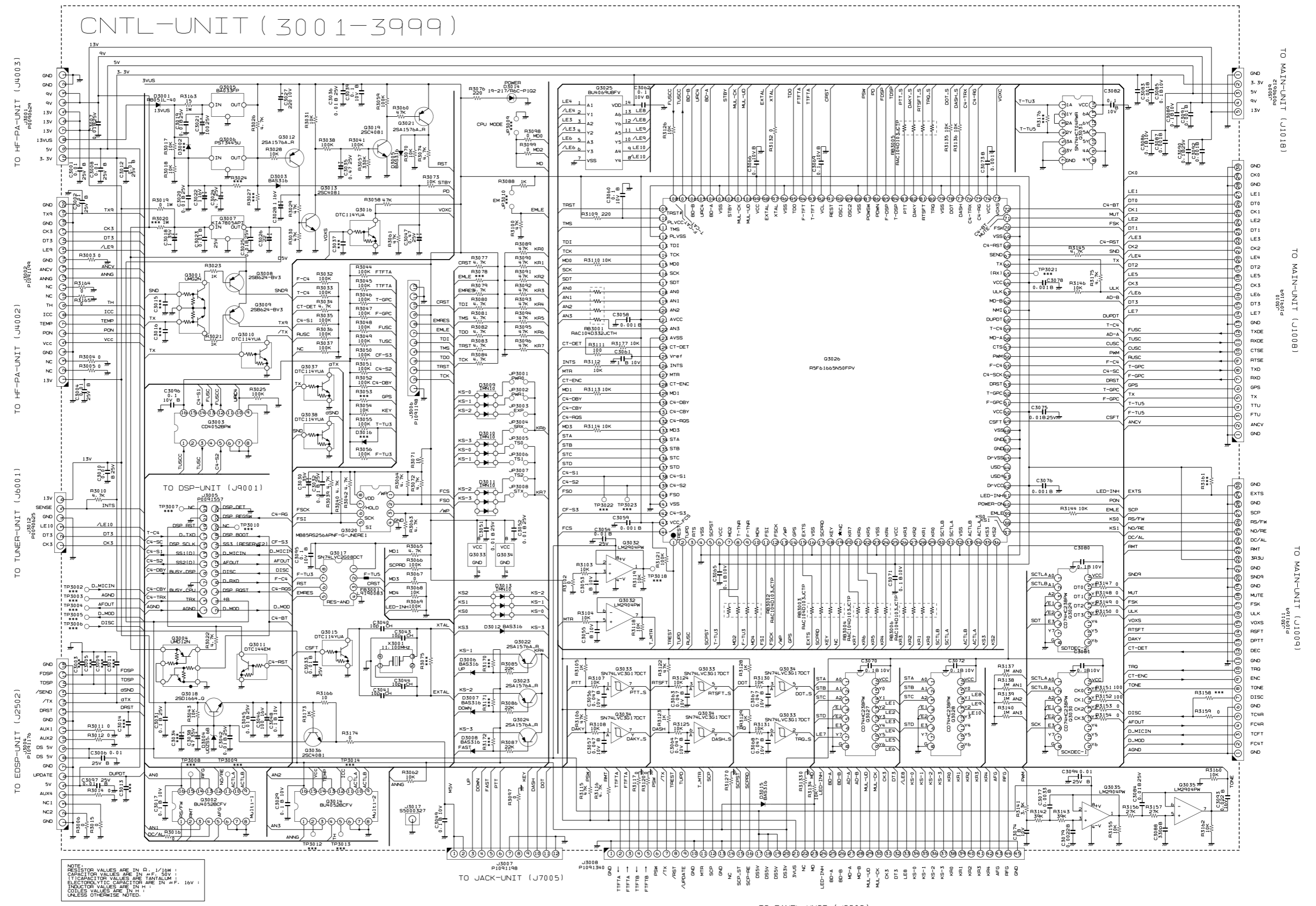






# CNTL Unit (Lot. 3 -)

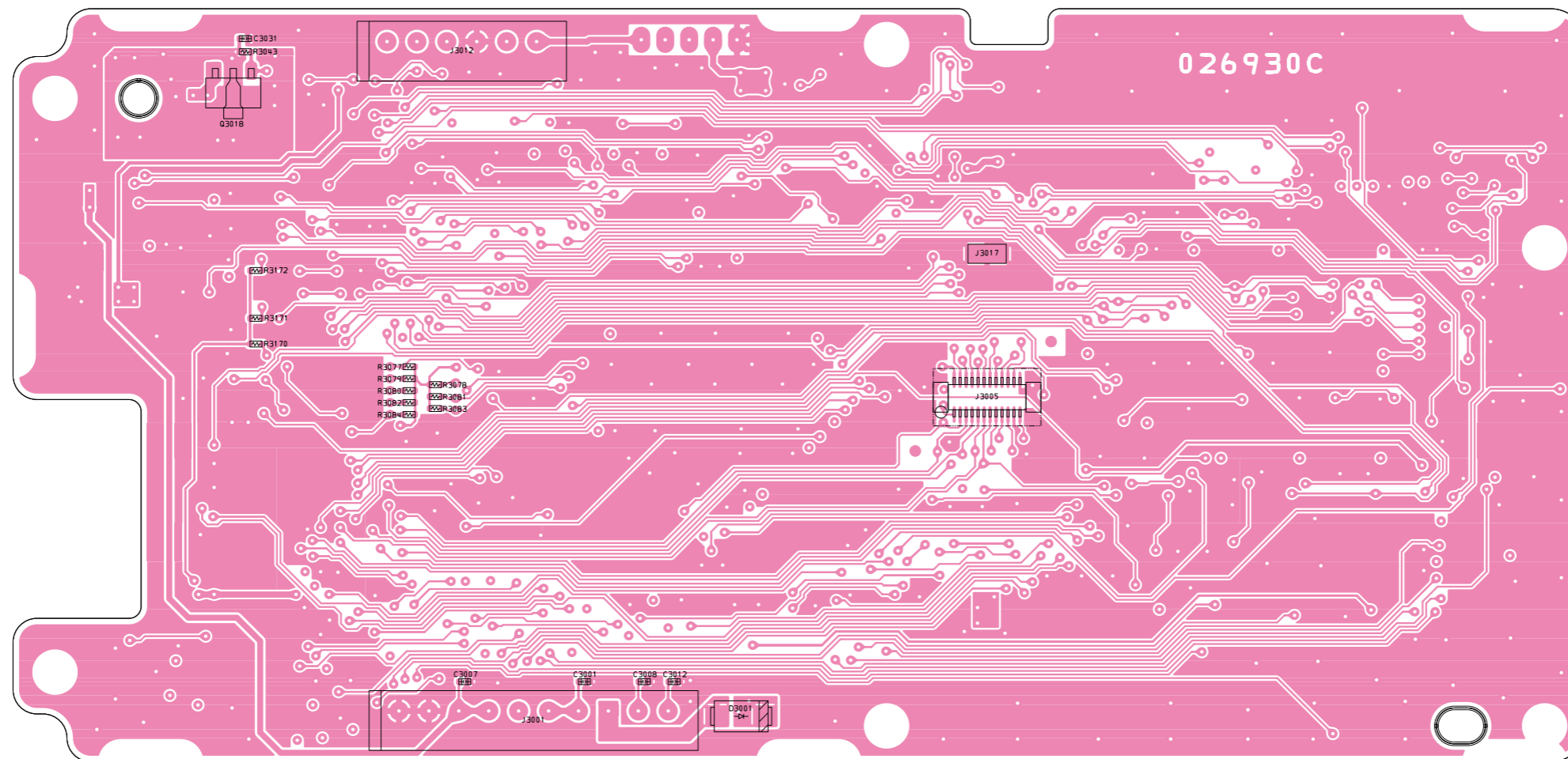
## Circuit Diagram



NOTE: RESISTOR VALUES ARE IN OHMS UNLESS OTHERWISE NOTED.  
CAPACITOR VALUES ARE IN PICO FARADS UNLESS OTHERWISE NOTED.  
ELECTROLYTIC CAPACITOR VALUES ARE IN MICRO FARADS UNLESS OTHERWISE NOTED.  
INDUCTOR VALUES ARE IN MILLI HENRYS UNLESS OTHERWISE NOTED.







# CNTL Unit Parts List

| REF    | DESCRIPTION         | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N                                            | VERS.                                      | LOT | SIDE | LAY ADR |
|--------|---------------------|----------|-----|------|--------------------|------------------------------------------------------|--------------------------------------------|-----|------|---------|
|        | PCB with Components |          |     |      |                    | CS2339704*<br>CS2339705*<br>CS2339706*<br>CS2339707* | TYP: A2<br>TYP: A2EX<br>TYP: B2<br>TYP: B3 |     |      |         |
| C 3001 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | B    | c3      |
| C 3002 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | C3      |
| C 3004 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | B3      |
| C 3006 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | A3      |
| C 3007 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | B    | b3      |
| C 3008 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | B    | c3      |
| C 3010 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | E1      |
| C 3012 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | B    | c3      |
| C 3017 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | B1      |
| C 3018 | CHIP TA.CAP.        | 1uF      | 35V |      | TMCSA1C105MTRF     | K78160032                                            |                                            | 1-  | A    | G1      |
| C 3019 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | C3      |
| C 3020 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | A3      |
| C 3021 | AL.ELECTRO.CAP.     | 100uF    | 25V |      | EMVA250ADA101MF80G | K48140016                                            |                                            | 1-  | A    | D3      |
| C 3022 | CHIP TA.CAP.        | 1uF      | 16V |      | TMCSA1C105MTRF     | K78120009                                            |                                            | 1-  | A    | A3      |
| C 3023 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | G2      |
| C 3024 | AL.ELECTRO.CAP.     | 4.7uF    | 25V |      | UWX1E4R7MCL1GB     | K48140012                                            |                                            | 1-  | A    | A3      |
| C 3025 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | G2      |
| C 3026 | CHIP TA.CAP.        | 22uF     |     |      | TPSB226M016Y0600   | K78120075                                            |                                            | 1-  | A    | G1      |
| C 3027 | AL.ELECTRO.CAP.     | 220uF    | 10V |      | EEE1AA221XP        | K48100007                                            |                                            | 1-  | A    | B3      |
| C 3028 | CHIP TA.CAP.        | 1uF      | 16V |      | TMCSA1C105MTRF     | K78120009                                            |                                            | 1-  | A    | A3      |
| C 3029 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | A1      |
| C 3030 | CHIP TA.CAP.        | 1uF      | 35V |      | TMCSA1V105MTRF     | K78160032                                            |                                            | 1-  | A    | D1      |
| C 3031 | CHIP CAP.           | 0.1uF    | 25V | B    | GRM155B31E104KA87D | K22148838                                            |                                            | 1-  | B    | a1      |
| C 3032 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | D1      |
| C 3033 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | E2      |
| C 3035 | CHIP TA.CAP.        | 0.47uF   | 25V |      | TMCSA1E474MTRF     | K78140009                                            |                                            | 1-  | A    | B3      |
| C 3036 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | B3      |
| C 3038 | AL.ELECTRO.CAP.     | 47uF     | 35V |      | EEE1VA470WP        | K48160005                                            |                                            | 1-  | A    | F1      |
| C 3039 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | B3      |
| C 3040 | CHIP CAP.           | 10pF     | 50V | CH   | GRM1552C1H100JA01D | K22178212                                            |                                            | 1-  | A    | E2      |
| C 3041 | CHIP CAP.           | 10pF     | 50V | CH   | GRM1552C1H100JA01D | K22178212                                            |                                            | 1-  | A    | E3      |
| C 3042 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | G1      |
| C 3043 | CHIP CAP.           | 10pF     | 50V | CH   | GRM1552C1H100JA01D | K22178212                                            |                                            | 1-  | A    | E2      |
| C 3044 | CHIP CAP.           | 10pF     | 50V | CH   | GRM1552C1H100JA01D | K22178212                                            |                                            | 1-  | A    | E3      |
| C 3045 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | F1      |
| C 3046 | AL.ELECTRO.CAP.     | 100uF    | 16V |      | EEE1CA101WP        | K48120012                                            |                                            | 1-  | A    | F1      |
| C 3047 | CHIP TA.CAP.        | 0.47uF   | 25V |      | TMCSA1E474MTRF     | K78140009                                            |                                            | 1-  | A    | A3      |
| C 3048 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | F1      |
| C 3049 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | F2      |
| C 3051 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | F3      |
| C 3052 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | E3      |
| C 3053 | CHIP CAP.           | 1uF      | 10V | B    | GRM155B31A105KE15D | K22108809                                            |                                            | 1-  | A    | F1      |
| C 3054 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | F1      |
| C 3055 | CHIP CAP.           | 1uF      | 10V | B    | GRM155B31A105KE15D | K22108809                                            |                                            | 1-  | A    | F1      |
| C 3056 | CHIP CAP.           | 0.047uF  | 10V | B    | GRM155B11A473KA01D | K22108801                                            |                                            | 1-  | A    | F3      |
| C 3057 | CHIP CAP.           | 0.047uF  | 10V | B    | GRM155B11A473KA01D | K22108801                                            |                                            | 1-  | A    | E3      |
| C 3058 | CHIP CAP.           | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809                                            |                                            | 1-  | A    | E2      |
| C 3059 | CHIP CAP.           | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809                                            |                                            | 1-  | A    | D1      |
| C 3060 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | E2      |
| C 3061 | CHIP CAP.           | 1uF      | 10V | B    | GRM155B31A105KE15D | K22108809                                            |                                            | 1-  | A    | E1      |
| C 3062 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | B2      |
| C 3063 | CHIP CAP.           | 0.047uF  | 10V | B    | GRM155B11A473KA01D | K22108801                                            |                                            | 1-  | A    | F3      |
| C 3064 | CHIP CAP.           | 0.047uF  | 10V | B    | GRM155B11A473KA01D | K22108801                                            |                                            | 1-  | A    | E3      |
| C 3065 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | D1      |
| C 3066 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | E2      |
| C 3067 | CHIP CAP.           | 0.047uF  | 10V | B    | GRM155B11A473KA01D | K22108801                                            |                                            | 1-  | A    | E3      |
| C 3068 | CHIP CAP.           | 0.047uF  | 10V | B    | GRM155B11A473KA01D | K22108801                                            |                                            | 1-  | A    | F3      |
| C 3069 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | E3      |
| C 3070 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | B1      |
| C 3071 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | C1      |
| C 3072 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | B1      |
| C 3073 | CHIP CAP.           | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809                                            |                                            | 1-  | A    | D3      |
| C 3074 | CHIP CAP.           | 1uF      | 10V | B    | GRM155B31A105KE15D | K22108809                                            |                                            | 1-  | A    | A2      |
| C 3075 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834                                            |                                            | 1-  | A    | C2      |
| C 3076 | CHIP CAP.           | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809                                            |                                            | 1-  | A    | C2      |
| C 3077 | CHIP CAP.           | 0.0033uF | 50V | B    | GRM155B11H332KA01D | K22178815                                            |                                            | 1-  | A    | A2      |
| C 3078 | CHIP CAP.           | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809                                            |                                            | 1-  | A    | D3      |
| C 3079 | CHIP CAP.           | 0.0022uF | 50V | B    | GRM155B11H222JA01D | K22178837                                            |                                            | 1-  | A    | A2      |
| C 3080 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | B2      |
| C 3081 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | A2      |
| C 3082 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802                                            |                                            | 1-  | A    | F1      |

\* Please contact YAESU when replacing the CNTL-UNIT.



# CNTL Unit Parts List

| REF    | DESCRIPTION   | VALUE   | V/W   | TOL. | MFR'S DESIG             | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|---------|-------|------|-------------------------|-----------|-------|-----|------|---------|
| C 3083 | CHIP CAP.     | 0.001uF | 50V   | B    | GRM155B11H102KA01D      | K22178809 |       | 1-  | A    | D1      |
| C 3084 | CHIP CAP.     | 0.01uF  | 25V   | B    | GRM155B11E103KA01D      | K22148834 |       | 1-  | A    | A2      |
| C 3085 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | D1      |
| C 3086 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | D1      |
| C 3087 | CHIP CAP.     | 0.001uF | 50V   | B    | GRM155B11H102KA01D      | K22178809 |       | 1-  | A    | D1      |
| C 3088 | CHIP CAP.     | 330pF   | 50V   | B    | GRM155B11H331KA01D      | K22178803 |       | 1-  | A    | A2      |
| C 3089 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | D1      |
| C 3090 | CHIP CAP.     | 0.1uF   | 25V   | B    | GRM155B31E104KA87D      | K22148838 |       | 1-  | A    | D1      |
| C 3091 | CHIP CAP.     | 0.001uF | 50V   | B    | GRM155B11H102KA01D      | K22178809 |       | 1-  | A    | D1      |
| C 3092 | CHIP CAP.     | 0.001uF | 50V   | B    | GRM155B11H102KA01D      | K22178809 |       | 1-  | A    | D1      |
| C 3093 | CHIP CAP.     | 0.022uF | 16V   | B    | GRM155B11C223KA01D      | K22128806 |       | 1-  | A    | A2      |
| C 3094 | CHIP CAP.     | 0.01uF  | 25V   | B    | GRM155B11E103KA01D      | K22148834 |       | 1-  | A    | A2      |
| C 3095 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | E1      |
| C 3096 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D      | K22108802 |       | 1-  | A    | B2      |
| C 3097 | CHIP CAP.     | 0.01uF  | 25V   | B    | GRM155B11E103KA01D      | K22148834 |       | 3-  | A    | A3      |
| D 3001 | DIODE         |         |       |      | RB051L-40TE25           | G2070718  |       | 1-  | B    | c3      |
| D 3003 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | B3      |
| D 3004 | DIODE         |         |       |      | UDZS TE-17 5.6B         | G2070910  |       | 1-  | A    | F1      |
| D 3005 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | B3      |
| D 3006 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | F2      |
| D 3007 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | F2      |
| D 3008 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | F1      |
| D 3009 | DIODE         |         |       |      | IMN10 T108              | G2070078  |       | 1-  | A    | C1      |
| D 3010 | DIODE         |         |       |      | IMN10 T108              | G2070078  |       | 1-  | A    | C1      |
| D 3011 | DIODE         |         |       |      | IMN10 T108              | G2070078  |       | 1-  | A    | C1      |
| D 3012 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | F2      |
| D 3013 | DIODE         |         |       |      | IMN10 T108              | G2070078  |       | 1-  | A    | F2      |
| D 3014 | LED           |         |       |      | 19-217/R6C-P1Q2/3T      | G2071440  |       | 1-  | A    | C3      |
| D 3015 | DIODE         |         |       |      | BAS316                  | G2070716  |       | 1-  | A    | F3      |
| D 3016 | DIODE         |         |       |      | 1SS400G T2R             | G2070934  |       | 3-  | A    | F1      |
| FB3001 | FERRITE BEADS |         |       |      | BK1608HS601-T           | L9190083  |       | 1-  | A    | E1      |
| J 3001 | CONNECTOR     |         |       |      | SC25-10WS               | P0090629  |       | 1-  | B    | b3      |
| J 3002 | CONNECTOR     |         |       |      | 9637S-20-Y905           | P1091199  |       | 1-  | A    | C3      |
| J 3004 | CONNECTOR     |         |       |      | 18FLT-SM2-TB(LF)(SN)(M) | P1091176  |       | 1-  | A    | A3      |
| J 3005 | CONNECTOR     |         |       |      | AXK6F24547YG            | P0091557  |       | 1-  | B    | d2      |
| J 3006 | CONNECTOR     |         |       |      | 12FLT-SM2-TB(LF)(SN)    | P1091198  |       | 1-  | A    | E2      |
| J 3007 | CONNECTOR     |         |       |      | 12FLT-SM2-TB(LF)(SN)    | P1091198  |       | 1-  | A    | F2      |
| J 3008 | CONNECTOR     |         |       |      | IMSA-9639S-45           | P1091340  |       | 1-  | A    | F3      |
| J 3009 | CONNECTOR     |         |       |      | SB20-05WS               | P0090612  |       | 1-  | A    | D1      |
| J 3010 | CONNECTOR     |         |       |      | 9637S-30-Y905           | P1091169  |       | 1-  | A    | A1      |
| J 3011 | CONNECTOR     |         |       |      | 9637S-30-Y905           | P1091169  |       | 1-  | A    | B1      |
| J 3012 | CONNECTOR     |         |       |      | SC25-06WS               | P0090625  |       | 1-  | B    | b1      |
| J 3017 | TERMINAL      |         |       |      | NC-0.5-3.2-T            | S5000327  |       | 1-  | B    | d1      |
| JP3001 | CHIP RES.     | 0       | 1/16W | 5%   | RMC1/16 000JATP         | J24185000 |       | 1-  | A    | C1      |
| JP3002 | CHIP RES.     | 0       | 1/16W | 5%   | RMC1/16 000JATP         | J24185000 |       | 1-  | A    | C1      |
| JP3003 | WIRE ASSY     |         |       |      | GRN 50 2/2              | T50505000 |       | 1-2 | A    | C1      |
| JP3004 | WIRE ASSY     |         |       |      | GRN 100 2/2             | T50510000 |       | 1-2 | A    | C1      |
| Q 3001 | TRANSISTOR    |         |       |      | UMG2N TR                | G3070088  |       | 1-  | A    | A2      |
| Q 3002 | IC            |         |       |      | BU4052BCFV-BZE2         | G1094196  |       | 1-  | A    | B2      |
| Q 3003 | IC            |         |       |      | CD4052BPWR              | G1093862  |       | 1-  | A    | B2      |
| Q 3004 | TRANSISTOR    |         |       |      | UMD12N TR               | G3070342  |       | 1-  | A    | C2      |
| Q 3005 | IC            |         |       |      | BA033CC0FP-BZE2         | G1094077  |       | 1-  | A    | C3      |
| Q 3006 | IC            |         |       |      | PST3445UR               | G1093232  |       | 1-  | A    | A3      |
| Q 3007 | IC            |         |       |      | KIA7805API              | G1093163  |       | 1-  | A    | G3      |
| Q 3008 | TRANSISTOR    |         |       |      | 2SB624-T2B BV3          | G3206247C |       | 1-  | A    | A2      |
| Q 3009 | TRANSISTOR    |         |       |      | 2SB624-T2B BV3          | G3206247C |       | 1-  | A    | A2      |
| Q 3010 | TRANSISTOR    |         |       |      | DTC114YUA T106          | G3070298  |       | 1-  | A    | A2      |
| Q 3011 | TRANSISTOR    |         |       |      | DTC144EM T2L            | G3070309  |       | 1-  | A    | C2      |
| Q 3012 | TRANSISTOR    |         |       |      | 2SA1576A T106 R         | G3115768R |       | 1-  | A    | B3      |
| Q 3013 | TRANSISTOR    |         |       |      | 2SC4081 T106            | G3340818  |       | 1-  | A    | B3      |
| Q 3014 | IC            |         |       |      | BU4052BCFV-BZE2         | G1094196  |       | 1-  | A    | A2      |
| Q 3015 | TRANSISTOR    |         |       |      | DTC114YUA T106          | G3070298  |       | 1-  | A    | E2      |
| Q 3016 | TRANSISTOR    |         |       |      | DTC114YUA T106          | G3070298  |       | 1-  | A    | D3      |
| Q 3017 | IC            |         |       |      | SN74LVLC2G08DCTR        | G1094341  |       | 1-  | A    | E1      |
| Q 3018 | TRANSISTOR    |         |       |      | 2SD1664 T100 Q          | G3416647Q |       | 1-  | B    | a1      |
| Q 3019 | TRANSISTOR    |         |       |      | 2SC4081 T106            | G3340818  |       | 1-  | A    | B3      |
| Q 3020 | IC            |         |       |      | MB85RS256APNF-G-JNERE1  | G1094985* |       | 1-  | A    | D1      |
| Q 3021 | TRANSISTOR    |         |       |      | 2SA1576A T106 R         | G3115768R |       | 1-  | A    | B3      |
| Q 3022 | TRANSISTOR    |         |       |      | 2SA1576A T106 R         | G3115768R |       | 1-  | A    | F2      |
| Q 3023 | TRANSISTOR    |         |       |      | 2SA1576A T106 R         | G3115768R |       | 1-  | A    | F2      |
| Q 3024 | TRANSISTOR    |         |       |      | 2SA1576A T106 R         | G3115768R |       | 1-  | A    | F1      |
| Q 3025 | IC            |         |       |      | BU4069UBFV-BZE2         | G1093601  |       | 1-  | A    | B2      |
| Q 3026 | IC            |         |       |      | R5F61665N50FPV          | G1094839  |       | 1-  | A    | D2      |
| Q 3027 | IC            |         |       |      | CD74HC238PWR            | G1094275  |       | 1-  | A    | C2      |
| Q 3028 | IC            |         |       |      | CD74HC238PWR            | G1094275  |       | 1-  | A    | B2      |

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# CNTL Unit Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| Q 3029 | IC          |       |       |      | CD74HC238PWR    | G1094275  |       | 1-  | A    | B2      |
| Q 3030 | IC          |       |       |      | CD74HC238PWR    | G1094275  |       | 1-  | A    | A2      |
| Q 3032 | IC          |       |       |      | LM2904PWR       | G1094010  |       | 1-  | A    | F1      |
| Q 3033 | IC          |       |       |      | SN74LVC3G17DCTR | G1094419  |       | 1-  | A    | F3      |
| Q 3034 | IC          |       |       |      | SN74LVC3G17DCTR | G1094419  |       | 1-  | A    | E3      |
| Q 3035 | IC          |       |       |      | LM2904PWR       | G1094010  |       | 1-  | A    | A2      |
| Q 3036 | TRANSISTOR  |       |       |      | 2SC4081 T106    | G3340818  |       | 1-  | A    | F1      |
| Q 3037 | TRANSISTOR  |       |       |      | DTC114YUA T106  | G3070298  |       | 1-  | A    | A3      |
| Q 3038 | TRANSISTOR  |       |       |      | DTC114YUA T106  | G3070298  |       | 1-  | A    | A3      |
| R 3003 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | C3      |
| R 3004 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B3      |
| R 3005 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B3      |
| R 3006 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | A2      |
| R 3010 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | E1      |
| R 3011 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | A3      |
| R 3012 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | A3      |
| R 3014 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | A3      |
| R 3015 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | A2      |
| R 3016 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B1      |
| R 3017 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | A3      |
| R 3018 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | A3      |
| R 3019 | CHIP RES.   | 0     | 1W    | 5%   | RMC1 JPATE      | J24305000 |       | 3-  | A    | G1      |
| R 3021 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | A2      |
| R 3022 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | C2      |
| R 3023 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | A2      |
| R 3025 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | C2      |
| R 3026 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | B3      |
| R 3028 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | B3      |
| R 3029 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | B3      |
| R 3030 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | B3      |
| R 3031 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | B3      |
| R 3032 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | C2      |
| R 3033 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | C3      |
| R 3034 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | B1      |
| R 3035 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | E1      |
| R 3036 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A1      |
| R 3037 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | B1      |
| R 3038 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | B3      |
| R 3039 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D1      |
| R 3040 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D1      |
| R 3041 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | B3      |
| R 3042 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D1      |
| R 3043 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | a1      |
| R 3044 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | F3      |
| R 3045 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | F3      |
| R 3046 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A1      |
| R 3047 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A1      |
| R 3048 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | A1      |
| R 3049 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | A1      |
| R 3050 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | D1      |
| R 3051 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | E1      |
| R 3052 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | C2      |
| R 3054 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F2      |
| R 3055 | DIODE       |       |       |      | 1SS400G T2R     | G2070934  |       | 1-2 | A    | G1      |
| R 3056 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | D1      |
| R 3057 | CHIP RES.   | 330k  | 1/16W | 5%   | RMC1/16S 334JTH | J24189055 |       | 1-  | A    | B3      |
| R 3058 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | D3      |
| R 3059 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | B3      |
| R 3060 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | B3      |
| R 3061 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | B3      |
| R 3062 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | A2      |
| R 3063 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D1      |
| R 3064 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D1      |
| R 3065 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | E1      |
| R 3066 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | C1      |
| R 3067 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | E1      |
| R 3068 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | D1      |
| R 3069 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | C2      |
| R 3070 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | B3      |
| R 3071 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | A    | D1      |
| R 3072 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D1      |
| R 3073 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | B3      |
| R 3074 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | B3      |
| R 3076 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16S 221JTH | J24189017 |       | 1-  | A    | C3      |
| R 3077 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |

# CNTL Unit Parts List

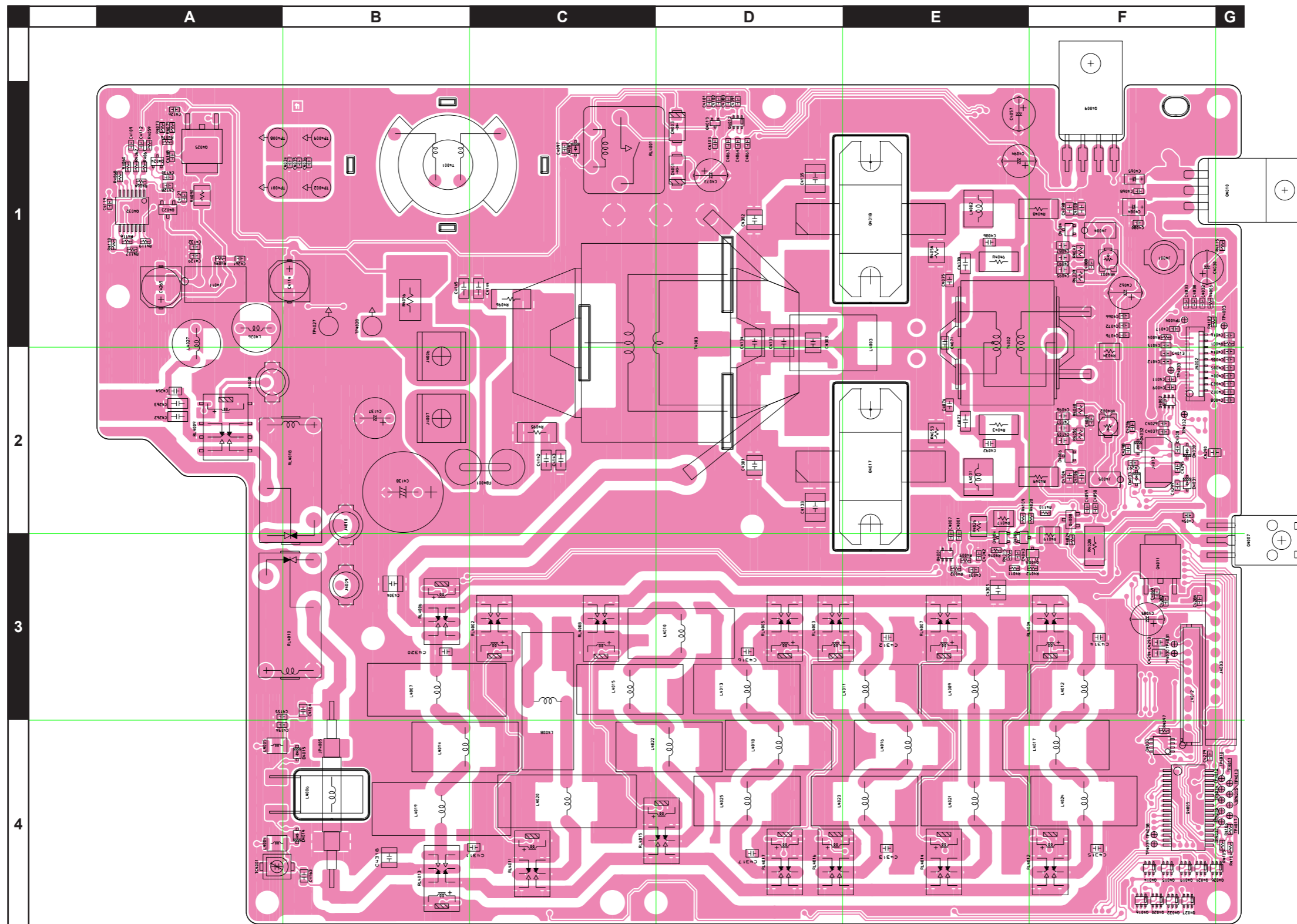
| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 3079 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |
| R 3080 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |
| R 3081 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |
| R 3082 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |
| R 3083 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |
| R 3084 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | b2      |
| R 3085 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16S 223JTH | J24189041 |       | 1-  | A    | F2      |
| R 3086 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16S 223JTH | J24189041 |       | 1-  | A    | F2      |
| R 3087 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16S 223JTH | J24189041 |       | 1-  | A    | F1      |
| R 3088 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | E2      |
| R 3089 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C2      |
| R 3090 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3091 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3092 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3093 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3094 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3095 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3096 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | C1      |
| R 3097 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | F2      |
| R 3098 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | E1      |
| R 3099 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | E1      |
| R 3100 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | E2      |
| R 3102 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | F1      |
| R 3103 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F1      |
| R 3104 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F1      |
| R 3105 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | F3      |
| R 3106 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | E3      |
| R 3107 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F3      |
| R 3108 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E3      |
| R 3109 | CHIP RES.   | 220   | 1/16W | 5%   | RMC1/16S 221JTH | J24189017 |       | 1-  | A    | E2      |
| R 3110 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E1      |
| R 3111 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH | J24189013 |       | 1-  | A    | E1      |
| R 3112 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E1      |
| R 3113 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E1      |
| R 3114 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E1      |
| R 3115 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | F3      |
| R 3116 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | B1      |
| R 3117 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | F3      |
| R 3118 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F1      |
| R 3119 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F1      |
| R 3120 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | F3      |
| R 3121 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | A    | D1      |
| R 3122 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | A    | F3      |
| R 3123 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | E3      |
| R 3124 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F3      |
| R 3125 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E3      |
| R 3126 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E2      |
| R 3127 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | F3      |
| R 3128 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | F3      |
| R 3129 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | A    | F3      |
| R 3130 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E3      |
| R 3131 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F3      |
| R 3132 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | E2      |
| R 3133 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | F3      |
| R 3134 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | F3      |
| R 3135 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E3      |
| R 3136 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | E3      |
| R 3137 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16S 105JTH | J24189061 |       | 1-  | A    | E1      |
| R 3138 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16S 105JTH | J24189061 |       | 1-  | A    | E1      |
| R 3139 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16S 105JTH | J24189061 |       | 1-  | A    | E1      |
| R 3140 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16S 105JTH | J24189061 |       | 1-  | A    | E1      |
| R 3141 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16S 332JTH | J24189031 |       | 1-  | A    | A2      |
| R 3142 | CHIP RES.   | 39k   | 1/16W | 5%   | RMC1/16S 393JTH | J24189044 |       | 1-  | A    | A2      |
| R 3143 | CHIP RES.   | 39k   | 1/16W | 5%   | RMC1/16S 393JTH | J24189044 |       | 1-  | A    | A2      |
| R 3144 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | C2      |
| R 3145 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | A    | D3      |
| R 3146 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | A    | D3      |
| R 3147 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B2      |
| R 3148 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B2      |
| R 3149 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B2      |
| R 3150 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B2      |
| R 3151 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH | J24189013 |       | 1-  | A    | A2      |
| R 3152 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16S 101JTH | J24189013 |       | 1-  | A    | A2      |
| R 3153 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B2      |
| R 3154 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | A    | B2      |



# CNTL Unit Parts List

| REF    | DESCRIPTION  | VALUE   | V/W   | TOL. | MFR'S DESIG       | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|---------|-------|------|-------------------|-----------|-------|-----|------|---------|
| R 3155 | CHIP RES.    | 10k     | 1/16W | 5%   | RMC1/16S 103JTH   | J24189037 |       | 1-  | A    | A2      |
| R 3156 | CHIP RES.    | 27k     | 1/16W | 5%   | RMC1/16S 273JTH   | J24189042 |       | 1-  | A    | A2      |
| R 3157 | CHIP RES.    | 27k     | 1/16W | 5%   | RMC1/16S 273JTH   | J24189042 |       | 1-  | A    | A2      |
| R 3159 | CHIP RES.    | 0       | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | A    | B1      |
| R 3160 | CHIP RES.    | 10k     | 1/16W | 5%   | RMC1/16S 103JTH   | J24189037 |       | 1-  | A    | A2      |
| R 3162 | CHIP RES.    | 10k     | 1/16W | 5%   | RMC1/16S 103JTH   | J24189037 |       | 1-  | A    | A2      |
| R 3163 | CHIP RES.    | 15      | 1W    | 5%   | RMC1 150JTE       | J24305150 |       | 1-  | A    | D3      |
| R 3164 | CHIP RES.    | 0       | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | A    | C3      |
| R 3165 | CHIP RES.    | 0       | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | A    | B3      |
| R 3166 | CHIP RES.    | 10      | 1/10W | 5%   | RMC1/10T 100J     | J24205100 |       | 1-  | A    | F1      |
| R 3170 | CHIP RES.    | 100k    | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 2-  | B    | a2      |
| R 3171 | CHIP RES.    | 100k    | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 2-  | B    | a2      |
| R 3172 | CHIP RES.    | 100k    | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 2-  | B    | a1      |
| R 3173 | CHIP RES.    | 1k      | 1/16W | 5%   | RMC1/16S 102JTH   | J24189025 |       | 1-  | A    | F1      |
| R 3174 | CHIP RES.    | 0       | 1/16W | 5%   | RMC1/16 000JATP   | J24185000 |       | 1-  | A    | F2      |
| R 3175 | CHIP RES.    | 4.7k    | 1/16W | 5%   | RMC1/16S 472JTH   | J24189033 |       | 1-  | A    | D3      |
| R 3176 | CHIP RES.    | 0       | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | A    | G1      |
| R 3177 | CHIP RES.    | 10k     | 1/16W | 5%   | RMC1/16S 103JTH   | J24189037 |       | 3-  | A    | E1      |
| RB3001 | BLOCK RES.   |         |       |      | RAC104D332JCTH    | J42900041 |       | 1-  | A    | E1      |
| RB3002 | BLOCK RES.   |         |       |      | RAC104D103JCTP    | J42900024 |       | 1-  | A    | D1      |
| RB3003 | BLOCK RES.   |         |       |      | RAC104D103JCTP    | J42900024 |       | 1-  | A    | D1      |
| RB3004 | BLOCK RES.   |         |       |      | RAC104D103JCTP    | J42900024 |       | 1-  | A    | C1      |
| RB3005 | BLOCK RES.   |         |       |      | RAC104D103JCTP    | J42900024 |       | 1-  | A    | E3      |
| RB3006 | BLOCK RES.   |         |       |      | RAC104D103JCTP    | J42900024 |       | 1-  | A    | C2      |
| X 3001 | XTAL DSX321G | 11.1MHz |       |      | DSX321G 11.100MHZ | H0103446  |       | 1-  | A    | E3      |









# HF-PA Unit

## Parts List

| REF    | DESCRIPTION         | VALUE    | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------------|----------|------|------|--------------------|-----------|-------|-----|------|---------|
|        | PCB with Components |          |      |      |                    |           |       |     |      |         |
| C 4007 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E2      |
| C 4013 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | F2      |
| C 4022 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | e1      |
| C 4023 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | e1      |
| C 4024 | CHIP CAP.           | 0.1uF    | 50V  | B    | GRM319B11H104KA01D | K22171820 |       | 1-  | B    | a1      |
| C 4025 | CHIP CAP.           | 0.1uF    | 50V  | B    | GRM319B11H104KA01D | K22171820 |       | 1-  | B    | a1      |
| C 4026 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | f1      |
| C 4027 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f1      |
| C 4030 | AL.ELECTRO.CAP.     | 10uF     | 50V  |      | RE2-50V100ME3#-T2  | K46170021 |       | 1-  | A    | F1      |
| C 4031 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | E3      |
| C 4032 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F1      |
| C 4034 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | B1      |
| C 4035 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | B1      |
| C 4036 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B1      |
| C 4042 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | E3      |
| C 4045 | CHIP CAP.           | 120pF    | 50V  | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | B    | a4      |
| C 4047 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a3      |
| C 4048 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a4      |
| C 4049 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a3      |
| C 4050 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 4051 | CHIP CAP.           | 120pF    | 50V  | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | B    | a4      |
| C 4052 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 4053 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a3      |
| C 4055 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a3      |
| C 4056 | CHIP CAP.           | 120pF    | 50V  | CH   | GRM1882C1H121JA01D | K22174237 |       | 1-  | B    | a4      |
| C 4057 | AL.ELECTRO.CAP.     | 10uF     | 50V  |      | RE2-50V100ME3#-T2  | K46170021 |       | 1-  | A    | E1      |
| C 4060 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | b1      |
| C 4061 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D1      |
| C 4062 | AL.ELECTRO.CAP.     | 10uF     | 50V  |      | RE2-50V100ME3#-T2  | K46170021 |       | 1-  | A    | F1      |
| C 4063 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | b1      |
| C 4064 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 4065 | CHIP TA.CAP.        | 1uF      | 35V  |      | TMCMA1V105MTRF     | K78160032 |       | 1-  | A    | F1      |
| C 4066 | CHIP CAP.           | 0.047uF  | 25V  | B    | GRM188B11E473KA01D | K22144811 |       | 1-  | A    | F1      |
| C 4067 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D1      |
| C 4068 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F1      |
| C 4069 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F3      |
| C 4070 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 4071 | CHIP CAP.           | 56pF     | 250V | C0G  | GRM21A5C2E560JW01D | K22240310 |       | 1-  | A    | E1      |
| C 4072 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F1      |
| C 4073 | AL.ELECTRO.CAP.     | 10uF     | 50V  |      | RE2-50V100ME3#-T2  | K46170021 |       | 1-  | A    | D1      |
| C 4074 | CHIP CAP.           | 100pF    | 250V | C0G  | GRM21A5C2E101JW01D | K22240313 |       | 1-  | A    | E2      |
| C 4075 | CHIP CAP.           | 100pF    | 250V | C0G  | GRM21A5C2E101JW01D | K22240313 |       | 1-  | A    | E1      |
| C 4077 | CHIP CAP.           | 0.1uF    | 50V  | B    | GRM319B11H104KA01D | K22171820 |       | 1-  | A    | E2      |
| C 4078 | CHIP CAP.           | 0.1uF    | 50V  | B    | GRM319B11H104KA01D | K22171820 |       | 1-  | A    | E1      |
| C 4079 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a4      |
| C 4080 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F1      |
| C 4081 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 4082 | CHIP CAP.           | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e1      |
| C 4083 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 4084 | CHIP TA.CAP.        | 22uF     |      |      | TPSB226M016Y0600   | K78120075 |       | 1-  | A    | F1      |
| C 4085 | AL.ELECTRO.CAP.     | 10uF     | 50V  |      | RE2-50V100ME3#-T2  | K46170021 |       | 1-  | A    | F3      |
| C 4086 | CHIP CAP.           | 0.047uF  | 50V  | B    | GRM21BB11H473KA01L | K22170823 |       | 1-  | A    | E1      |
| C 4087 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | A    | F1      |
| C 4090 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a1      |
| C 4092 | CHIP CAP.           | 0.047uF  | 50V  | B    | GRM21BB11H473KA01L | K22170823 |       | 1-  | A    | E2      |
| C 4093 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | A    | F1      |
| C 4094 | AL.ELECTRO.CAP.     | 10uF     | 50V  |      | RE2-50V100ME3#-T2  | K46170021 |       | 1-  | A    | F1      |
| C 4097 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C1      |
| C 4099 | CHIP TA.CAP.        | 1uF      | 16V  |      | TMCSA1C105MTRF     | K78120009 |       | 1-  | B    | a1      |
| C 4102 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 4103 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | D1      |
| C 4105 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | A    | F2      |
| C 4107 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | A    | F2      |
| C 4108 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 4110 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-2 |      |         |
| C 4111 | CHIP CAP.           | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | e1      |
| C 4112 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A1      |
| C 4116 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | B    | d1      |
| C 4117 | CHIP CAP.           | 0.0022uF | 250V | U2J  | GRM21A7U2E222JW31D | K22240329 |       | 1-  | B    | b2      |
| C 4118 | CHIP CAP.           | 0.0022uF | 250V | U2J  | GRM21A7U2E222JW31D | K22240329 |       | 1-  | B    | b1      |
| C 4119 | CHIP CAP.           | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A1      |
| C 4122 | CHIP CAP.           | 0.0022uF | 250V | U2J  | GRM21A7U2E222JW31D | K22240329 |       | 1-  | B    | b2      |
| C 4123 | CHIP CAP.           | 0.0022uF | 250V | U2J  | GRM21A7U2E222JW31D | K22240329 |       | 1-  | B    | b1      |
| C 4124 | CHIP CAP.           | 0.0022uF | 250V | U2J  | GRM21A7U2E222JW31D | K22240329 |       | 1-  | B    | b2      |

# HF-PA Unit

## Parts List

| REF    | DESCRIPTION     | VALUE    | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 4125 | CHIP CAP.       | 0.0022uF | 250V | U2J  | GRM21A7U2E222JW31D | K22240329 |       | 1-  | B    | b1      |
| C 4126 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 4127 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A1      |
| C 4128 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A1      |
| C 4129 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 4130 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 4131 | FILM CAP.       | 220pF    | 500V |      | UC342H2200J-T      | K33279011 |       | 1-  | A    | D1      |
| C 4132 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 4133 | FILM CAP.       | 270pF    | 500V |      | UC342H2700J-T      | K33279013 |       | 1-  | A    | D2      |
| C 4134 | FILM CAP.       | 390pF    | 500V |      | UC342H3900J-T      | K33279040 |       | 1-  | A    | D1      |
| C 4135 | FILM CAP.       | 270pF    | 500V |      | UC342H2700J-T      | K33279013 |       | 1-  | A    | D1      |
| C 4137 | AL.ELECTRO.CAP. | 100uF    | 25V  |      | RE2-25V101MF3#-T2  | K46140005 |       | 1-  | A    | B2      |
| C 4138 | AL.ELECTRO.CAP. | 1000uF   | 25V  |      | RE2-25V102MI5#     | K40149034 |       | 1-  | A    | B2      |
| C 4140 | CHIP CAP.       | 0.01uF   | 250V | X7R  | GRM21BR72E103KW03L | K22240801 |       | 1-  | B    | e2      |
| C 4141 | CHIP CAP.       | 0.01uF   | 250V | X7R  | GRM21BR72E103KW03L | K22240801 |       | 1-  | B    | e2      |
| C 4143 | CHIP CAP.       | 0.1uF    | 250V | X7R  | GRM31CR72E104KW03L | K22241804 |       | 1-  | A    | C2      |
| C 4144 | CHIP CAP.       | 0.1uF    | 250V | X7R  | GRM31CR72E104KW03L | K22241804 |       | 1-  | A    | C1      |
| C 4148 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 4150 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | f3      |
| C 4151 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | f3      |
| C 4152 | CHIP CAP.       | 56pF     | 50V  | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | B    | f4      |
| C 4153 | CHIP CAP.       | 56pF     | 50V  | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | B    | f4      |
| C 4154 | CHIP CAP.       | 68pF     | 50V  | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | A4      |
| C 4155 | CHIP CAP.       | 56pF     | 50V  | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | A    | A3      |
| C 4156 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | e4      |
| C 4157 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | d3      |
| C 4158 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | b3      |
| C 4159 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | d3      |
| C 4160 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | c3      |
| C 4161 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | a3      |
| C 4162 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | c3      |
| C 4163 | CHIP CAP.       | 6pF      | 250V | C0G  | GQM2195C2E6R0DB12D | K22240249 |       | 1-  | A    | B4      |
| C 4164 | CHIP CAP.       | 6pF      | 250V | C0G  | GQM2195C2E6R0DB12D | K22240249 |       | 1-  | A    | B3      |
| C 4165 | CHIP CAP.       | 18pF     | 250V | C0G  | GRM21A5C2E180JW01D | K22240304 |       | 1-  | B    | e3      |
| C 4166 | CHIP CAP.       | 470pF    | 250V | U2J  | GRM21A7U2E471JW31D | K22240321 |       | 1-  | B    | d4      |
| C 4171 | CHIP CAP.       | 39pF     | 250V | C0G  | GRM21A5C2E390JW01D | K22240308 |       | 1-  | B    | c3      |
| C 4172 | CHIP CAP.       | 0.001uF  | 250V | U2J  | GRM21A7U2E102JW31D | K22240325 |       | 1-  | B    | d4      |
| C 4173 | CHIP CAP.       | 820pF    | 250V | U2J  | GRM21A7U2E821JW31D | K22240324 |       | 1-  | B    | b3      |
| C 4174 | CHIP CAP.       | 390pF    | 250V | U2J  | GRM21A7U2E391JW31D | K22240320 |       | 1-  | B    | d3      |
| C 4176 | CHIP CAP.       | 82pF     | 250V | C0G  | GRM21A5C2E820JW01D | K22240312 |       | 1-  | B    | a3      |
| C 4177 | CHIP CAP.       | 4pF      | 250V | C0G  | GQM2195C2E4R0CB12D | K22240247 |       | 1-  | B    | c3      |
| C 4178 | CHIP CAP.       | 3pF      | 250V | C0G  | GQM2195C2E3R0CB12D | K22240246 |       | 1-  | B    | e3      |
| C 4180 | CHIP CAP.       | 180pF    | 250V | C0G  | GRM21A5C2E181JW01D | K22240316 |       | 1-  | B    | d3      |
| C 4182 | CHIP CAP.       | 120pF    | 250V | C0G  | GRM21A5C2E121JW01D | K22240314 |       | 1-  | B    | b3      |
| C 4184 | CHIP CAP.       | 56pF     | 250V | C0G  | GRM21A5C2E560JW01D | K22240310 |       | 1-  | B    | c3      |
| C 4186 | CHIP CAP.       | 27pF     | 250V | C0G  | GRM21A5C2E270JW01D | K22240306 |       | 1-  | B    | b3      |
| C 4188 | CHIP CAP.       | 47pF     | 250V | C0G  | GRM21A5C2E470JW01D | K22240309 |       | 1-  | B    | a3      |
| C 4190 | CHIP CAP.       | 12pF     | 250V | C0G  | GRM21A5C2E120JW01D | K22240302 |       | 1-  | B    | c3      |
| C 4192 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f2      |
| C 4193 | CHIP CAP.       | 0.001uF  | 250V | U2J  | GRM21A7U2E102JW31D | K22240325 |       | 1-  | B    | d4      |
| C 4194 | CHIP CAP.       | 560pF    | 250V | U2J  | GRM21A7U2E561JW31D | K22240322 |       | 1-  | B    | b3      |
| C 4195 | CHIP CAP.       | 470pF    | 250V | U2J  | GRM21A7U2E471JW31D | K22240321 |       | 1-  | B    | d3      |
| C 4196 | CHIP CAP.       | 220pF    | 250V | C0G  | GRM21A5C2E221JW01D | K22240317 |       | 1-  | B    | c3      |
| C 4197 | CHIP CAP.       | 180pF    | 250V | C0G  | GRM21A5C2E181JW01D | K22240316 |       | 1-  | B    | b3      |
| C 4198 | CHIP CAP.       | 120pF    | 250V | C0G  | GRM21A5C2E121JW01D | K22240314 |       | 1-  | B    | c3      |
| C 4199 | CHIP CAP.       | 82pF     | 250V | C0G  | GRM21A5C2E820JW01D | K22240312 |       | 1-  | B    | e3      |
| C 4200 | CHIP CAP.       | 150pF    | 250V | C0G  | GRM21A5C2E151JW01D | K22240315 |       | 1-  | B    | d3      |
| C 4202 | CHIP CAP.       | 10pF     | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 1-  | B    | b4      |
| C 4202 | CHIP CAP.       | 56pF     | 250V | C0G  | GRM21A5C2E560JW01D | K22240310 |       | 4-  | B    | b4      |
| C 4203 | CHIP CAP.       | 10pF     | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 8-  | B    | c3      |
| C 4204 | CHIP CAP.       | 7pF      | 250V | C0G  | GQM2195C2E7R0DB12D | K22240250 |       | 1-  | B    | e4      |
| C 4206 | CHIP CAP.       | 180pF    | 250V | C0G  | GRM21A5C2E181JW01D | K22240316 |       | 1-  | B    | d3      |
| C 4207 | CHIP CAP.       | 10pF     | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 1-  | B    | b4      |
| C 4207 | CHIP CAP.       | 15pF     | 250V | C0G  | GRM21A5C2E150JW01D | K22240303 |       | 4-  | B    | b4      |
| C 4208 | CHIP CAP.       | 120pF    | 250V | C0G  | GRM21A5C2E121JW01D | K22240314 |       | 1-  | B    | b4      |
| C 4210 | CHIP CAP.       | 27pF     | 250V | C0G  | GRM21A5C2E270JW01D | K22240306 |       | 1-  | B    | a4      |
| C 4210 | CHIP CAP.       | 18pF     | 250V | C0G  | GRM21A5C2E180JW01D | K22240304 |       | 4-  | B    | a4      |
| C 4211 | CHIP CAP.       | 3pF      | 250V | C0G  | GQM2195C2E3R0CB12D | K22240246 |       | 8-  | B    | c4      |
| C 4212 | CHIP CAP.       | 27pF     | 250V | C0G  | GRM21A5C2E270JW01D | K22240306 |       | 1-  | B    | c4      |
| C 4213 | CHIP CAP.       | 470pF    | 250V | U2J  | GRM21A7U2E471JW31D | K22240321 |       | 1-  | B    | d4      |
| C 4215 | CHIP CAP.       | 180pF    | 250V | C0G  | GRM21A5C2E181JW01D | K22240316 |       | 1-  | B    | d3      |
| C 4216 | CHIP CAP.       | 220pF    | 250V | C0G  | GRM21A5C2E221JW01D | K22240317 |       | 1-  | B    | c4      |
| C 4217 | CHIP CAP.       | 180pF    | 250V | C0G  | GRM21A5C2E181JW01D | K22240316 |       | 1-  | B    | b4      |
| C 4218 | CHIP CAP.       | 120pF    | 250V | C0G  | GRM21A5C2E121JW01D | K22240314 |       | 1-  | B    | c4      |
| C 4219 | CHIP CAP.       | 82pF     | 250V | C0G  | GRM21A5C2E820JW01D | K22240312 |       | 1-  | B    | e4      |



# HF-PA Unit

## Parts List

| REF    | DESCRIPTION     | VALUE    | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|----------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 4220 | CHIP CAP.       | 0.001uF  | 250V | U2J  | GRM21A7U2E102JW31D | K22240325 |       | 1-  | B    | d4      |
| C 4221 | CHIP CAP.       | 560pF    | 250V | U2J  | GRM21A7U2E561JW31D | K22240322 |       | 1-  | B    | b4      |
| C 4222 | CHIP CAP.       | 330pF    | 250V | C0G  | GRM21A5C2E331JW01D | K22240319 |       | 1-  | B    | d3      |
| C 4223 | CHIP CAP.       | 27pF     | 250V | C0G  | GRM21A5C2E270JW01D | K22240306 |       | 1-  | B    | c4      |
| C 4224 | CHIP CAP.       | 27pF     | 250V | C0G  | GRM21A5C2E270JW01D | K22240306 |       | 1-  | B    | b4      |
| C 4225 | CHIP CAP.       | 10pF     | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 1-  | B    | c4      |
| C 4226 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f3      |
| C 4227 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f1      |
| C 4228 | CHIP CAP.       | 18pF     | 250V | C0G  | GRM21A5C2E180JW01D | K22240304 |       | 1-  | B    | e4      |
| C 4230 | CHIP CAP.       | 470pF    | 250V | U2J  | GRM21A7U2E471JW31D | K22240321 |       | 1-  | B    | d4      |
| C 4231 | CHIP CAP.       | 47pF     | 250V | C0G  | GRM21A5C2E470JW01D | K22240309 |       | 1-  | B    | b4      |
| C 4232 | CHIP CAP.       | 390pF    | 250V | U2J  | GRM21A7U2E391JW31D | K22240320 |       | 1-  | B    | b4      |
| C 4233 | CHIP CAP.       | 33pF     | 250V | C0G  | GRM21A5C2E330JW01D | K22240307 |       | 1-  | B    | c4      |
| C 4234 | CHIP CAP.       | 390pF    | 250V | U2J  | GRM21A7U2E391JW31D | K22240320 |       | 1-  | B    | c4      |
| C 4236 | CHIP CAP.       | 56pF     | 250V | C0G  | GRM21A5C2E560JW01D | K22240310 |       | 1-  | B    | b4      |
| C 4238 | CHIP CAP.       | 9pF      | 250V | C0G  | GQM2195C2E9R0DB12D | K22240252 |       | 1-  | B    | a4      |
| C 4240 | CHIP CAP.       | 15pF     | 250V | C0G  | GRM21A5C2E150JW01D | K22240303 |       | 1-  | B    | c4      |
| C 4240 | CHIP CAP.       | 12pF     | 250V | C0G  | GRM21A5C2E120JW01D | K22240302 |       | 4-  | B    | c4      |
| C 4242 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f1      |
| C 4243 | CHIP CAP.       | 0.001uF  | 250V | U2J  | GRM21A7U2E102JW31D | K22240325 |       | 1-  | B    | d4      |
| C 4244 | CHIP CAP.       | 470pF    | 250V | U2J  | GRM21A7U2E471JW31D | K22240321 |       | 1-  | B    | b4      |
| C 4245 | CHIP CAP.       | 220pF    | 250V | C0G  | GRM21A5C2E221JW01D | K22240317 |       | 1-  | B    | d4      |
| C 4246 | CHIP CAP.       | 100pF    | 250V | C0G  | GRM21A5C2E101JW01D | K22240313 |       | 1-  | B    | c4      |
| C 4247 | CHIP CAP.       | 100pF    | 250V | C0G  | GRM21A5C2E101JW01D | K22240313 |       | 1-  | B    | a4      |
| C 4248 | CHIP CAP.       | 27pF     | 250V | C0G  | GRM21A5C2E270JW01D | K22240306 |       | 1-  | B    | c4      |
| C 4249 | CHIP CAP.       | 47pF     | 250V | C0G  | GRM21A5C2E470JW01D | K22240309 |       | 1-  | B    | e4      |
| C 4250 | CHIP CAP.       | 270pF    | 250V | C0G  | GRM21A5C2E271JW01D | K22240318 |       | 1-  | B    | d4      |
| C 4258 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | f1      |
| C 4259 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f2      |
| C 4260 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | f1      |
| C 4261 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A1      |
| C 4263 | CHIP CAP.       | 0.1uF    | 250V | X7R  | GRM31CR72E104KW03L | K22241804 |       | 1-  | A    | A2      |
| C 4264 | CHIP CAP.       | 0.01uF   | 250V | X7R  | GRM21BR72E103KW03L | K22240801 |       | 1-  | A    | A2      |
| C 4265 | AL.ELECTRO.CAP. | 47uF     | 35V  |      | EEE1VA470WV        | K48160005 |       | 1-  | A    | A1      |
| C 4266 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | e3      |
| C 4267 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | d4      |
| C 4268 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | b4      |
| C 4269 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | d4      |
| C 4270 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | c4      |
| C 4271 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | a4      |
| C 4272 | CHIP CAP.       | 0.0022uF | 50V  | B    | GRM188B11H222KA01D | K22174822 |       | 1-  | B    | c4      |
| C 4273 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a4      |
| C 4274 | CHIP CAP.       | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a4      |
| C 4276 | CHIP CAP.       | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a3      |
| C 4277 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 4278 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a3      |
| C 4279 | CHIP CAP.       | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F4      |
| C 4280 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a3      |
| C 4281 | CHIP CAP.       | 0.1uF    | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | a3      |
| C 4282 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | F3      |
| C 4283 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | a3      |
| C 4284 | CHIP CAP.       | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F3      |
| C 4285 | CHIP CAP.       | 0.001uF  | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | a3      |
| C 4297 | CHIP CAP.       | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | F2      |
| C 4298 | CHIP CAP.       | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | F2      |
| C 4299 | CHIP CAP.       | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | F2      |
| C 4300 | CHIP CAP.       | 0.0047uF | 50V  | B    | GRM188B11H472KA01D | K22174817 |       | 1-  | A    | F2      |
| C 4301 | FILM CAP.       | 47pF     | 500V |      | UC232H0470J-T      | K33279034 |       | 1-  | A    | D2      |
| C 4302 | FILM CAP.       | 47pF     | 500V |      | UC232H0470J-T      | K33279034 |       | 1-  | A    | D1      |
| C 4303 | FILM CAP.       | 33pF     | 500V |      | UC232H0330J-T      | K33279024 |       | 1-  | A    | D1      |
| C 4305 | FILM CAP.       | 10pF     | 500V |      | UC232H0100D-T      | K33279019 |       | 1-  | A    | E3      |
| C 4306 | CHIP CAP.       | 0.01uF   | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | e1      |
| C 4321 | CHIP CAP.       | 0.01uF   | 25V  | X5R  | TMK063BJ103KP-F    | K22149902 |       | 7-  |      |         |
| D 4001 | DIODE           |          |      |      | RB051L-40TE25      | G2070718  |       | 1-  | A    | D1      |
| D 4002 | DIODE           |          |      |      | RSX101VA-30TR      | G2070984  |       | 1-  | B    | a1      |
| D 4003 | DIODE           |          |      |      | RB051L-40TE25      | G2070718  |       | 1-  | A    | D1      |
| D 4004 | DIODE           |          |      |      | DAN202U T106       | G2070162  |       | 1-  | A    | F1      |
| D 4005 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | A    | C1      |
| D 4006 | DIODE           |          |      |      | DAN202U T106       | G2070162  |       | 1-  | A    | F2      |
| D 4007 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | B    | e3      |
| D 4008 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | B    | d3      |
| D 4009 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | B    | b3      |
| D 4010 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | B    | d3      |
| D 4011 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | B    | c3      |
| D 4012 | DIODE           |          |      |      | BAS316             | G2070716  |       | 1-  | B    | b3      |

# HF-PA Unit

## Parts List

| REF    | DESCRIPTION    | VALUE   | V/W | TOL. | MFR'S DESIG          | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|----------------|---------|-----|------|----------------------|-----------|-------|-----|------|---------|
| D 4013 | DIODE          |         |     |      | BAS316               | G2070716  |       | 1-  | B    | c3      |
| D 4014 | DIODE          |         |     |      | DB2J31300L           | G2071338  |       | 1-  | A    | B4      |
| D 4015 | DIODE          |         |     |      | DB2J31300L           | G2071338  |       | 1-  | A    | B4      |
| D 4016 | SURGE ABSORBER |         |     |      | RHCA-501Q43U         | Q9000922  |       | 1-  | B    | f2      |
| D 4017 | DIODE          |         |     |      | BAS316               | G2070716  |       | 1-  | B    | f2      |
| D 4018 | DIODE          |         |     |      | BAS316               | G2070716  |       | 1-  | B    | f3      |
| D 4019 | DIODE          |         |     |      | BAS316               | G2070716  |       | 1-  | B    | f2      |
| D 4027 | SURGE ABSORBER |         |     |      | RHCA-301Q43U         | Q9000827  |       | 1-  | B    | f2      |
| D 4030 | DIODE          |         |     |      | RB551V-30 TE-17      | G2070892  |       | 1-  | A    | F2      |
| D 4031 | DIODE          |         |     |      | RB551V-30 TE-17      | G2070892  |       | 1-  | A    | F2      |
| D 4032 | DIODE          |         |     |      | RB551V-30 TE-17      | G2070892  |       | 1-  | A    | F2      |
| D 4033 | DIODE          |         |     |      | RB551V-30 TE-17      | G2070892  |       | 1-  | A    | F2      |
| FB4001 | RFC WITH BEADS |         |     |      | 3A RI5.8X6.4-2       | L1020732  |       | 1-  | A    | B2      |
| J 4001 | CONNECTOR      |         |     |      | TMP-J01X-V6          | P1090210  |       | 1-  | A    | F1      |
| J 4002 | CONNECTOR      |         |     |      | 20FLT-SM2-TB(LF)(SN) | P1091247  |       | 1-  | A    | F2      |
| J 4003 | CONNECTOR      |         |     |      | SC25-10WS            | P0090629  |       | 1-  | A    | F4      |
| J 4004 | CONNECTOR      |         |     |      | IMSA-9202B-1-02-T    | P0091174  |       | 1-  | A    | F1      |
| J 4005 | CONNECTOR      |         |     |      | IMSA-9202B-1-02-T    | P0091174  |       | 1-  | A    | F2      |
| J 4006 | TERMINAL       |         |     |      | P07                  | Q5000166  |       | 1-  | A    | B1      |
| J 4007 | TERMINAL       |         |     |      | P07                  | Q5000166  |       | 1-  | A    | B2      |
| J 4008 | CONNECTOR      |         |     |      | TMP-J01X-V6          | P1090210  |       | 1-  | A    | A2      |
| J 4009 | CONNECTOR      |         |     |      | TMP-J01X-V6          | P1090210  |       | 1-  | A    | B3      |
| J 4010 | CONNECTOR      |         |     |      | TMP-J01X-V6          | P1090210  |       | 1-  | A    | B2      |
| J 4011 | CONNECTOR      |         |     |      | B3B-XH-A(LF)(SN)     | P0091413  |       | 1-  | A    | A1      |
| J 4012 | CONNECTOR      |         |     |      | B12B-ZR(LF)(SN)      | P0090782  |       | 1-  | A    | F4      |
| J 4013 | CONNECTOR      |         |     |      | SB20-03WS            | P0090610  |       | 1-  | A    | F2      |
| JP4001 | WIRE ASSY      |         |     |      | BLK 130 SIN/V2-M3    | T9318362  |       | 1-  |      |         |
| JP4002 | WIRE ASSY      |         |     |      | RED 140 SIN/V2-M3    | T9318364  |       | 1-  |      |         |
| JP4005 | WIRE ASSY      |         |     |      | GRA 30 */* QEV       | T9318351  |       | 1-  | A    | B4      |
| JP4006 | WIRE ASSY      |         |     |      | BLU 30 2/2           | T50603000 |       | 1-2 |      |         |
| JP4007 | WIRE ASSY      |         |     |      | YEL 30 2/2           | T50403000 |       | 1-2 |      |         |
| L 4001 | COIL           | 0.056uH |     |      | TAS0806-56NK         | L0023105  |       | 1-7 | A    | E2      |
| L 4002 | COIL           | 0.056uH |     |      | TAS0806-56NK         | L0023105  |       | 1-7 | A    | E1      |
| L 4003 | TOROIDAL COIL  | 6uH     |     |      | U 6H3 10X5X5         | L0022039  |       | 1   | A    | D1      |
| L 4003 | TOROIDAL COIL  | 6uH     |     |      | U N8C T10.9X5.8X4.7  | L0023190  |       | 2-  | A    | D1      |
| L 4004 | M.RFC          | 1000uH  |     |      | LLM3225-102J         | L1691157  |       | 1-  | A    | A4      |
| L 4005 | M.RFC          | 1000uH  |     |      | LLM3225-102J         | L1691157  |       | 1-  | A    | A4      |
| L 4006 | TOROIDAL COIL  | 260uH   |     |      | 260U 3A RI9.3-4.8-5  | L0022767A |       | 1-  | A    | B4      |
| L 4007 | TOROIDAL COIL  | 0.21uH  |     |      | 0.21U T68-10         | L0023007  |       | 1-  | A    | B3      |
| L 4008 | TOROIDAL COIL  | 4.41uH  |     |      | 4.41U 27T T68-2      | L0023128  |       | 1-  | A    | C3      |
| L 4009 | TOROIDAL COIL  | 1.74uH  |     |      | 1.74U 18T T50-2      | L0023130  |       | 1-  | A    | E3      |
| L 4010 | TOROIDAL COIL  | 1.13uH  |     |      | 1.13U 16T T50-6      | L0023132  |       | 1-  | A    | D3      |
| L 4010 | TOROIDAL COIL  | 1.04uH  |     |      | ERLA227              | L0023256  |       | 8-  | A    | D3      |
| L 4011 | TOROIDAL COIL  | 0.364uH |     |      | 0.364U 9T T50-6      | L0023136  |       | 1-  | A    | E3      |
| L 4011 | TOROIDAL COIL  | 0.383uH |     |      | ERLA224              | L0023232  |       | 8-  | A    | E3      |
| L 4012 | TOROIDAL COIL  | 0.4uH   |     |      | 0.40U T50-6          | L0022974  |       | 1-  | A    | F3      |
| L 4013 | TOROIDAL COIL  | 0.25uH  |     |      | 0.25U T50-6          | L0022976  |       | 1-  | A    | D3      |
| L 4014 | TOROIDAL COIL  | 0.21uH  |     |      | 0.21U T50-10         | L0022979  |       | 1-  | A    | B4      |
| L 4015 | TOROIDAL COIL  | 0.971uH |     |      | 0.971U 15T T50-6     | L0023133  |       | 1-  | A    | C3      |
| L 4015 | TOROIDAL COIL  | 0.99uH  |     |      | ERLA230              | L0023254  |       | 8-  | A    | C3      |
| L 4016 | TOROIDAL COIL  | 0.5uH   |     |      | 0.50U T50-6          | L0022975  |       | 1-  | A    | E4      |
| L 4017 | TOROIDAL COIL  | 0.5uH   |     |      | 0.50U T50-6          | L0022975  |       | 1-  | A    | F4      |
| L 4018 | TOROIDAL COIL  | 0.34uH  |     |      | 0.34U T50-6          | L0022977  |       | 1-  | A    | D4      |
| L 4019 | TOROIDAL COIL  | 0.18uH  |     |      | 0.18U T68-10         | L0023006  |       | 1-  | A    | B4      |
| L 4020 | TOROIDAL COIL  | 3.46uH  |     |      | 3.46U 24T T68-2      | L0023129  |       | 1-  | A    | C4      |
| L 4021 | TOROIDAL COIL  | 1.12uH  |     |      | 1.12U 14T T50-2      | L0023131  |       | 1-  | A    | E4      |
| L 4022 | TOROIDAL COIL  | 0.563uH |     |      | 0.563U 11T T50-6     | L0023135  |       | 1-  | A    | D4      |
| L 4022 | TOROIDAL COIL  | 0.578uH |     |      | ERLA225              | L0023234  |       | 8-  | A    | D4      |
| L 4023 | TOROIDAL COIL  | 0.563uH |     |      | 0.563U 11T T50-6     | L0023135  |       | 1-  | A    | E4      |
| L 4023 | TOROIDAL COIL  | 0.578uH |     |      | ERLA225              | L0023234  |       | 8-  | A    | E4      |
| L 4024 | TOROIDAL COIL  | 0.5uH   |     |      | 0.50U T50-6          | L0022975  |       | 1-  | A    | F4      |
| L 4025 | TOROIDAL COIL  | 0.34uH  |     |      | 0.34U T50-6          | L0022977  |       | 1-  | A    | D4      |
| L 4026 | M.RFC          | 22uH    |     |      | RCR875DNP-220L       | L1190397  |       | 1-  | A    | A1      |
| L 4027 | M.RFC          | 120uH   |     |      | RCH-875 121K         | L1190396  |       | 1-  | A    | A1      |
| P 4001 | CONNECTOR      |         |     |      | IMSA-9206H-T         | P1090988  |       | 1-  |      |         |
| P 4002 | CONNECTOR      |         |     |      | IMSA-9206H-T         | P1090988  |       | 1-  |      |         |
| P 4003 | TERMINAL       |         |     |      | H101                 | S5000331  |       | 1-  |      |         |
| P 4004 | WIRE ASSY      |         |     |      | AC051H               | T9207202A |       | 1-  |      |         |
| Q 4001 | IC             |         |     |      | LM20BIM7             | G1094585  |       | 1-  | A    | E3      |
| Q 4002 | TRANSISTOR     |         |     |      | UMD5N TR             | G3070343  |       | 1-  | A    | F2      |
| Q 4003 | TRANSISTOR     |         |     |      | 2SC4081 T106         | G3340818  |       | 1-  | A    | F3      |
| Q 4004 | TRANSISTOR     |         |     |      | 2SC4081 T106         | G3340818  |       | 1-  | A    | E2      |
| Q 4005 | IC             |         |     |      | BU2152FS(TAPE)       | G1093942  |       | 1-  | A    | F4      |
| Q 4006 | TRANSISTOR     |         |     |      | 2SC4081 T106         | G3340818  |       | 1-  | A    | E2      |
| Q 4007 | TRANSISTOR     |         |     |      | 2SB1143S             | G3211430S |       | 1-  | A    | G3      |

# HF-PA Unit

## Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG       | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-------------------|-----------|-------|-----|------|---------|
| Q 4008 | TRANSISTOR  |       |       |      | 2SA812-T2B M5B    | G3108127E |       | 1-  | A    | F2      |
| Q 4009 | IC          |       |       |      | PQ090RDA2SZH      | G1094987  |       | 1-  | A    | F1      |
| Q 4010 | IC          |       |       |      | KIA7805API        | G1093163  |       | 1-  | A    | G1      |
| Q 4011 | IC          |       |       |      | BA033CC0FP-BZE2   | G1094077  |       | 1-  | A    | F3      |
| Q 4012 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | D1      |
| Q 4013 | TRANSISTOR  |       |       |      | DTC123JE TL       | G3070323  |       | 1-  | A    | D1      |
| Q 4014 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4015 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4016 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4017 | FET         |       |       |      | RD100HHF1-101     | G3090151  |       | 1-  | A    | E2      |
| Q 4018 | FET         |       |       |      | RD100HHF1-101     | G3090151  |       | 1-  | A    | E1      |
| Q 4019 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4020 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4021 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4022 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4023 | TRANSISTOR  |       |       |      | DTD123YK T146     | G3070157  |       | 1-  | A    | A1      |
| Q 4024 | TRANSISTOR  |       |       |      | 2SC4081 T106      | G3340818  |       | 1-  | A    | A1      |
| Q 4025 | TRANSISTOR  |       |       |      | 2SB1182-TLQ       | G3070063  |       | 1-  | A    | A1      |
| Q 4026 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | G4      |
| Q 4027 | TRANSISTOR  |       |       |      | UMD5N TR          | G3070343  |       | 1-  | A    | F4      |
| Q 4028 | IC          |       |       |      | M5223AFP 600C     | G1092955  |       | 1-2 |      |         |
| Q 4029 | IC          |       |       |      | TA75S01F(TE85R.F) | G1091593  |       | 1-  | B    | e1      |
| Q 4030 | IC          |       |       |      | SN74LVC2G53DCTR   | G1094048  |       | 1-  | A    | F4      |
| Q 4032 | IC          |       |       |      | LM2902PWR         | G1094009  |       | 3-  | A    | A1      |
| R 4001 | CHIP RES.   | 3.9k  | 1/16W | 5%   | RMC1/16 392JATP   | J24185392 |       | 1-  | A    | G1      |
| R 4002 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP   | J24185471 |       | 1-  | A    | E3      |
| R 4003 | CHIP RES.   | 470   | 1W    | 5%   | RMC1 471JTE       | J24305471 |       | 1-  | B    | a1      |
| R 4004 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP   | J24185000 |       | 1-  | A    | F1      |
| R 4005 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP   | J24185000 |       | 1-  | A    | E3      |
| R 4006 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16 153JATP   | J24185153 |       | 1-  | A    | F1      |
| R 4007 | CHIP RES.   | 470   | 1W    | 5%   | RMC1 471JTE       | J24305471 |       | 1-  | B    | a2      |
| R 4008 | CHIP RES.   | 120   | 1W    | 5%   | RMC1 121JTE       | J24305121 |       | 1-  | B    | a2      |
| R 4009 | CHIP RES.   | 100   | 1W    | 5%   | RMC1 101JTE       | J24305101 |       | 1-  | B    | a2      |
| R 4010 | CHIP RES.   | 330   | 1W    | 5%   | RMC1 331JTE       | J24305331 |       | 1-  | B    | b2      |
| R 4011 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16 103JATP   | J24185103 |       | 1-  | A    | E3      |
| R 4012 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP   | J24185222 |       | 1-  | A    | F3      |
| R 4013 | CHIP RES.   | 270   | 1W    | 5%   | RMC1 271JTE       | J24305271 |       | 1-  | B    | b2      |
| R 4014 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | B    | a4      |
| R 4015 | CHIP RES.   | 3.9k  | 1/16W | 1%   | RMC1/16 392FTP    | J24183392 |       | 1-  | A    | E3      |
| R 4016 | CHIP RES.   | 1k    | 1/16W | 1%   | RMC1/16 102FTP    | J24183102 |       | 1-  | A    | E3      |
| R 4017 | CHIP RES.   | 100   | 1/4W  | 5%   | RMC1/4 101JATP    | J24245101 |       | 1-  | A    | E2      |
| R 4018 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | B    | a4      |
| R 4019 | CHIP RES.   | 100   | 1/4W  | 5%   | RMC1/4 101JATP    | J24245101 |       | 1-  | A    | F2      |
| R 4020 | CHIP RES.   | 2.7k  | 1/16W | 1%   | RMC1/16 272FTP    | J24183272 |       | 1-  | A    | F2      |
| R 4021 | CHIP RES.   | 10k   | 1/10W | 0.1% | RR1220P-103-B     | J24209098 |       | 1-  | B    | e1      |
| R 4022 | CHIP RES.   | 680   | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | B    | a4      |
| R 4023 | CHIP RES.   | 1.5k  | 1/10W | 0.1% | RR1220P-152-B     | J24209078 |       | 1-  | B    | e1      |
| R 4024 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | F3      |
| R 4025 | CHIP RES.   | 1.5k  | 1/10W | 0.1% | RR1220P-152-B     | J24209078 |       | 1-  | B    | e1      |
| R 4026 | CHIP RES.   | 100   | 1/4W  | 5%   | RMC1/4 101JATP    | J24245101 |       | 1-  | A    | E2      |
| R 4027 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP   | J24185000 |       | 1-  | B    | f1      |
| R 4028 | CHIP RES.   | 0.33  | 1W    | 10%  | RMC1 R33KATE      | J24309001 |       | 1-  | A    | F3      |
| R 4029 | CHIP RES.   | 180k  | 1/10W | 0.5% | RR1220R-184-D-T5  | J24209225 |       | 1-  | B    | f1      |
| R 4030 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP   | J24185000 |       | 1-  | B    | a1      |
| R 4031 | CHIP RES.   | 3.9   | 1W    | 5%   | RMC1 3R9JTE       | J24305399 |       | 1-  | B    | a1      |
| R 4032 | CHIP RES.   | 3.9   | 1W    | 5%   | RMC1 3R9JTE       | J24305399 |       | 1-  | B    | a1      |
| R 4033 | CHIP RES.   | 1.5k  | 1/10W | 0.1% | RR1220P-152-B     | J24209078 |       | 1-  | B    | f1      |
| R 4034 | CHIP RES.   | 1k    | 1/4W  | 5%   | RMC1/4 102JATP    | J24245102 |       | 1-  | A    | F2      |
| R 4038 | CHIP RES.   | 180k  | 1/10W | 0.5% | RR1220R-184-D-T5  | J24209225 |       | 1-  | B    | e1      |
| R 4039 | CHIP RES.   | 100   | 1/10W | 5%   | RMC1/10T 101J     | J24205101 |       | 1-  | A    | F1      |
| R 4040 | CHIP RES.   | 100   | 1/10W | 5%   | RMC1/10T 101J     | J24205101 |       | 1-  | A    | F2      |
| R 4043 | CHIP RES.   | 0.33  | 1W    | 10%  | RMC1 R33KATE      | J24309001 |       | 1-  | A    | E2      |
| R 4046 | CHIP RES.   | 0.33  | 1W    | 10%  | RMC1 R33KATE      | J24309001 |       | 1-  | A    | E1      |
| R 4047 | CHIP RES.   | 100   | 1/10W | 5%   | RMC1/10T 101J     | J24205101 |       | 1-  | A    | F1      |
| R 4048 | CHIP RES.   | 18    | 1W    | 5%   | RMC1 180JTE       | J24305180 |       | 1-  | A    | F1      |
| R 4049 | CHIP RES.   | 18    | 1W    | 5%   | RMC1 180JTE       | J24305180 |       | 1-  | A    | F2      |
| R 4050 | CHIP RES.   | 100   | 1/10W | 5%   | RMC1/10T 101J     | J24205101 |       | 1-  | A    | F2      |
| R 4051 | CHIP RES.   | 15    | 1W    | 5%   | RMC1 150JTE       | J24305150 |       | 1-  | B    | b2      |
| R 4052 | CHIP RES.   | 15    | 1W    | 5%   | RMC1 150JTE       | J24305150 |       | 1-  | B    | b1      |
| R 4053 | CHIP RES.   | 1k    | 1/4W  | 5%   | RMC1/4 102JATP    | J24245102 |       | 1-  | A    | E2      |
| R 4054 | CHIP RES.   | 1k    | 1/4W  | 5%   | RMC1/4 102JATP    | J24245102 |       | 1-  | A    | E1      |
| R 4056 | CHIP RES.   | 0.001 | 1W    |      | TLR3ADTE1L00F     | J24309042 |       | 1-  | A    | B1      |
| R 4056 | CHIP RES.   | 0.003 | 2W    |      | TLR3AWDTE3L00F    | J24339066 |       | 11- | A    | B1      |
| R 4057 | CHIP RES.   | 15    | 1W    | 5%   | RMC1 150JTE       | J24305150 |       | 1-  | B    | b2      |
| R 4058 | CHIP RES.   | 15    | 1W    | 5%   | RMC1 150JTE       | J24305150 |       | 1-  | B    | b1      |



# HF-PA Unit

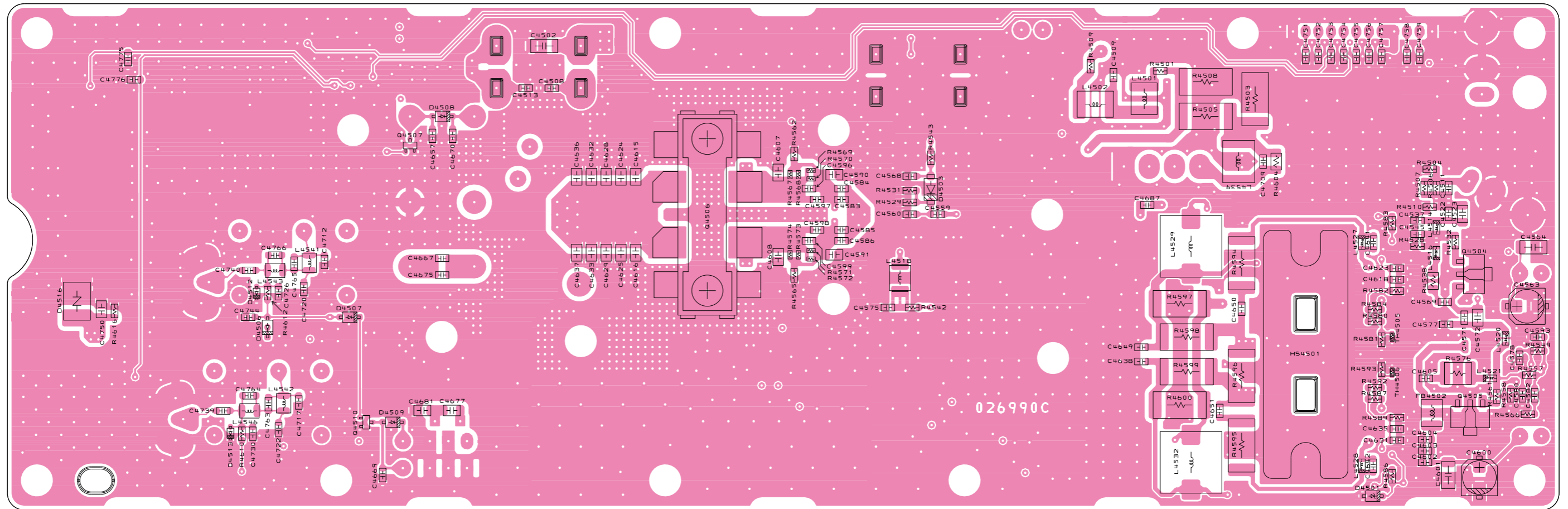
## Parts List

| REF    | DESCRIPTION       | VALUE | V/W   | TOL. | MFR'S DESIG      | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------------|-------|-------|------|------------------|-----------|-------|-----|------|---------|
| R 4059 | CHIP RES.         | 2.7k  | 1/16W | 1%   | RMC1/16 272FTP   | J24183272 |       | 1-  | A    | A1      |
| R 4060 | CHIP RES.         | 10k   | 1/16W | 1%   | RMC1/16 103FTP   | J24183103 |       | 1-  | A    | A1      |
| R 4061 | CHIP RES.         | 10k   | 1/16W | 5%   | RMC1/16 103JATP  | J24185103 |       | 1-  | A    | A1      |
| R 4062 | CHIP RES.         | 10k   | 1/16W | 5%   | RMC1/16 103JATP  | J24185103 |       | 1-  | A    | A1      |
| R 4063 | CHIP RES.         | 1k    | 1/16W | 5%   | RMC1/16 102JATP  | J24185102 |       | 1-  | B    | f1      |
| R 4064 | CHIP RES.         | 470k  | 1/16W | 5%   | RMC1/16 474JATP  | J24185474 |       | 1-  | A    | A1      |
| R 4065 | CHIP RES.         | 10k   | 1/10W | 0.1% | RR1220P-103-B    | J24209098 |       | 1-  | B    | f1      |
| R 4066 | CHIP RES.         | 1.5k  | 1/10W | 0.1% | RR1220P-152-B    | J24209078 |       | 1-  | B    | f1      |
| R 4068 | CHIP RES.         | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP  | J24185222 |       | 1-  | A    | A1      |
| R 4073 | CHIP RES.         | 1k    | 1/16W | 1%   | RMC1/16 102FTP   | J24183102 |       | 1-  | A    | A1      |
| R 4074 | CHIP RES.         | 5.6k  | 1/16W | 1%   | RMC1/16 562FTP   | J24183562 |       | 1-  | A    | A1      |
| R 4075 | CHIP RES.         | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP  | J24185472 |       | 1-  | A    | A1      |
| R 4076 | CHIP RES.         | 2.7k  | 1/16W | 1%   | RMC1/16 272FTP   | J24183272 |       | 1-  | B    | f3      |
| R 4077 | CHIP RES.         | 2.7k  | 1/16W | 1%   | RMC1/16 272FTP   | J24183272 |       | 1-  | B    | f3      |
| R 4078 | CHIP RES.         | 3.3k  | 1/16W | 1%   | RMC1/16 332FTP   | J24183332 |       | 1-  | B    | f3      |
| R 4079 | CHIP RES.         | 3.3k  | 1/16W | 1%   | RMC1/16 332FTP   | J24183332 |       | 1-  | B    | f3      |
| R 4080 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | d4      |
| R 4081 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | e4      |
| R 4082 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | c4      |
| R 4083 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | b4      |
| R 4084 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | d4      |
| R 4085 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | c4      |
| R 4086 | CHIP RES.         | 47    | 1/16W | 5%   | RMC1/16 470JATP  | J24185470 |       | 1-  | B    | a4      |
| R 4087 | CHIP RES.         | 56    | 1W    | 5%   | RMC1 560JTE      | J24305560 |       | 1-  | B    | f4      |
| R 4088 | CHIP RES.         | 56    | 1W    | 5%   | RMC1 560JTE      | J24305560 |       | 1-  | B    | f4      |
| R 4089 | CHIP RES.         | 100   | 1/16W | 5%   | RMC1/16 101JATP  | J24185101 |       | 1-  | B    | f2      |
| R 4090 | CHIP RES.         | 1     | 1/4W  | 5%   | RMC1/4 1R0JATP   | J24245010 |       | 1-  | A    | A1      |
| R 4092 | CHIP RES.         | 100   | 1/16W | 5%   | RMC1/16 101JATP  | J24185101 |       | 1-  | B    | f3      |
| R 4093 | CHIP RES.         | 100   | 1/16W | 5%   | RMC1/16 101JATP  | J24185101 |       | 1-  | B    | e2      |
| R 4094 | CHIP RES.         | 0     | 1/16W | 5%   | RMC1/16 000JATP  | J24185000 |       | 1-  | A    | A1      |
| R 4095 | CHIP RES.         | 0     | 1W    | 5%   | RMC1 JPATE       | J24305000 |       | 1-  | A    | C2      |
| R 4096 | CHIP RES.         | 0     | 1W    | 5%   | RMC1 JPATE       | J24305000 |       | 1-  | A    | C1      |
| R 4100 | CHIP RES.         | 0     | 1/16W | 5%   | RMC1/16 000JATP  | J24185000 |       | 1-  | B    | a4      |
| R 4102 | CHIP RES.         | 0     | 1/16W | 5%   | RMC1/16 000JATP  | J24185000 |       | 1-  | B    | a4      |
| R 4104 | CHIP RES.         | 68k   | 1/16W | 1%   | RMC1/16 683FTP   | J24183683 |       | 1-  | A    | G4      |
| R 4105 | CHIP RES.         | 2.7k  | 1/16W | 1%   | RMC1/16 272FTP   | J24183272 |       | 1-  | A    | G4      |
| R 4106 | CHIP RES.         | 2.2k  | 1/16W | 1%   | RMC1/16 222FTP   | J24183222 |       | 1-  | A    | G4      |
| R 4107 | CHIP RES.         | 470   | 1W    | 5%   | RMC1 471JTE      | J24305471 |       | 1-  | B    | a1      |
| R 4108 | CHIP RES.         | 120   | 1W    | 5%   | RMC1 121JTE      | J24305121 |       | 1-  | B    | a2      |
| R 4110 | CHIP RES.         | 1k    | 1/16W | 5%   | RMC1/16 102JATP  | J24185102 |       | 1-  | A    | F2      |
| R 4115 | CHIP RES.         | 1k    | 1/16W | 5%   | RMC1/16 102JATP  | J24185102 |       | 3-  | A    | G1      |
| R 4116 | CHIP RES.         | 6.8k  | 1/16W | 1%   | RMC1/16 682FTP   | J24183682 |       | 3-  | A    | A1      |
| R 4117 | CHIP RES.         | 6.8k  | 1/16W | 1%   | RMC1/16 682FTP   | J24183682 |       | 3-  | A    | A1      |
| R 4118 | CHIP RES.         | 33k   | 1/16W | 1%   | RMC1/16 333FTP   | J24183333 |       | 3-  | A    | A1      |
| R 4119 | CHIP RES.         | 27k   | 1/16W | 1%   | RMC1/16 273FTP   | J24183273 |       | 3-  | A    | A1      |
| R 4120 | CHIP RES.         | 18    | 1/2W  | 5%   | RMC1/2 180JTE    | J24275180 |       | 8-  |      |         |
| R 4121 | CHIP RES.         | 18    | 1/2W  | 5%   | RMC1/2 180JTE    | J24275180 |       | 8-  |      |         |
| RL4001 | RELAY             |       | DC12V |      | ACP331 DC12V     | M1190175  |       | 1-  | A    | C1      |
| RL4002 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | C3      |
| RL4003 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | D3      |
| RL4004 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | F3      |
| RL4005 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | D3      |
| RL4006 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | B3      |
| RL4007 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | E3      |
| RL4008 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | C3      |
| RL4009 | RELAY             |       | DC12V |      | AGQ200A12Z DC12V | M1190188  |       | 1-  | A    | A2      |
| RL4010 | RELAY             |       | DC12V |      | G5Q-14 DC12V     | M1190199  |       | 1-  | A    | A3      |
| RL4011 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | C4      |
| RL4012 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | F4      |
| RL4013 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | B4      |
| RL4014 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | E4      |
| RL4015 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | D4      |
| RL4016 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | D4      |
| RL4017 | RELAY             |       | DC12V |      | FTR-B4SA012Z-B05 | M1190209  |       | 1-  | A    | D4      |
| RL4018 | RELAY             |       | DC12V |      | G5Q-14 DC12V     | M1190199  |       | 1-  | A    | B2      |
| T 4001 | TOROIDAL COIL     |       |       |      | EQ2M 16X8X8      | L0023120  |       | 1-  | A    | B1      |
| T 4001 | TOROIDAL COIL     | 5.1uH |       |      | ERL9608          | L0023250  |       | 7-  | A    | B1      |
| T 4002 | COIL PWR-WIDE     |       |       |      | D12A RIB10       | L0022980A |       | 1-  | A    | F1      |
| T 4003 | COIL PWR-WIDE     |       |       |      | 4D4 RIB16        | L0023113  |       | 1-  | A    | C1      |
| TC4001 | TRIMMER CAP.      | 20pF  |       |      | TZB4R200AA10R00  | K91000217 |       | 1-  | A    | A4      |
| VR4001 | POT.              | 2.2k  |       |      | EVM3VXSX50BE3    | J51843222 |       | 1-  | A    | F1      |
| VR4002 | POT.              | 2.2k  |       |      | EVM3VXSX50BE3    | J51843222 |       | 1-  | A    | F2      |
|        | SHIELD CASE       |       |       |      |                  | R0131670A |       | 1-  |      |         |
|        | SHIELD CASE COVER |       |       |      |                  | R0131680  |       | 1-  |      |         |

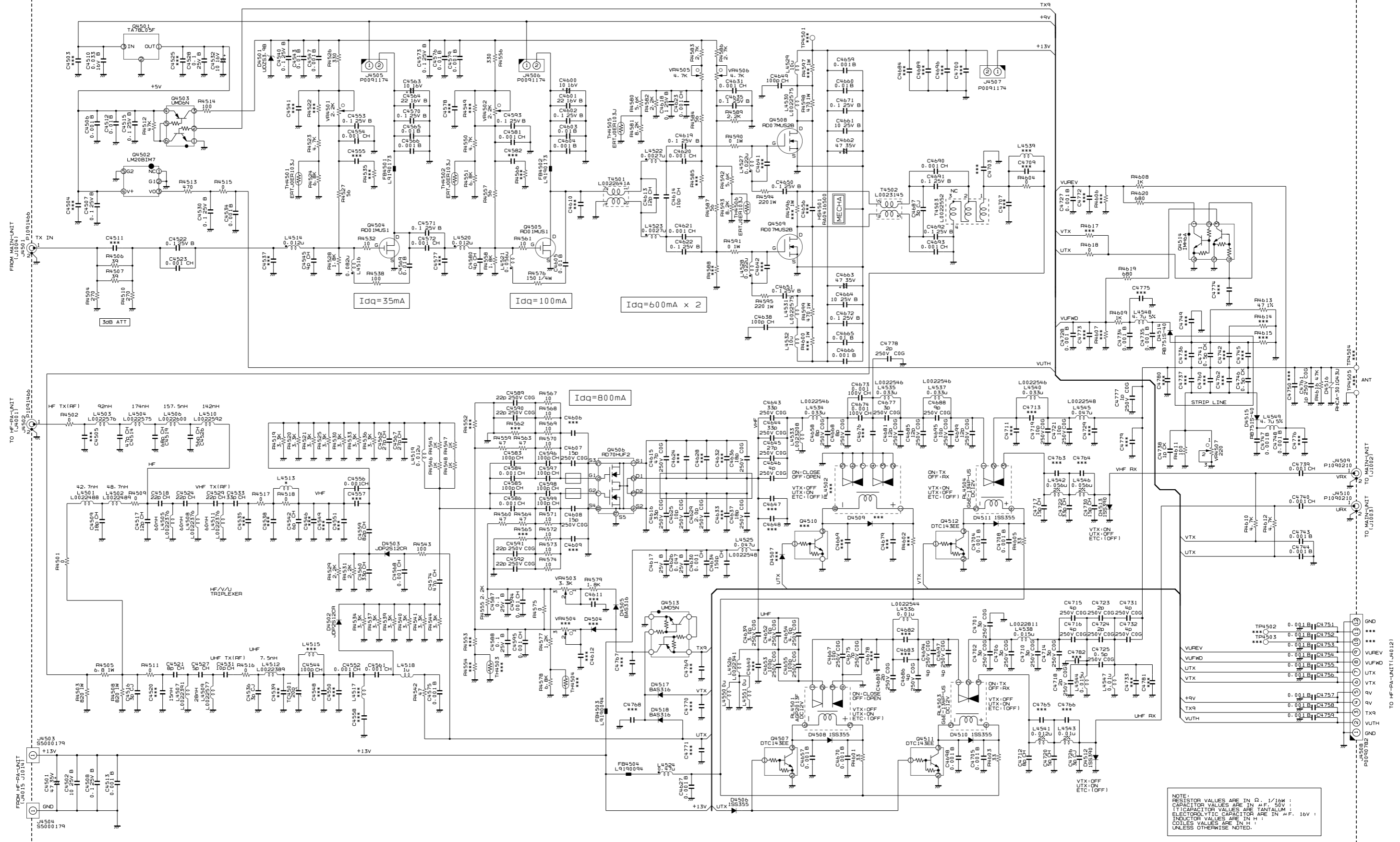








V\_U-PA-UNIT (4501-4999)

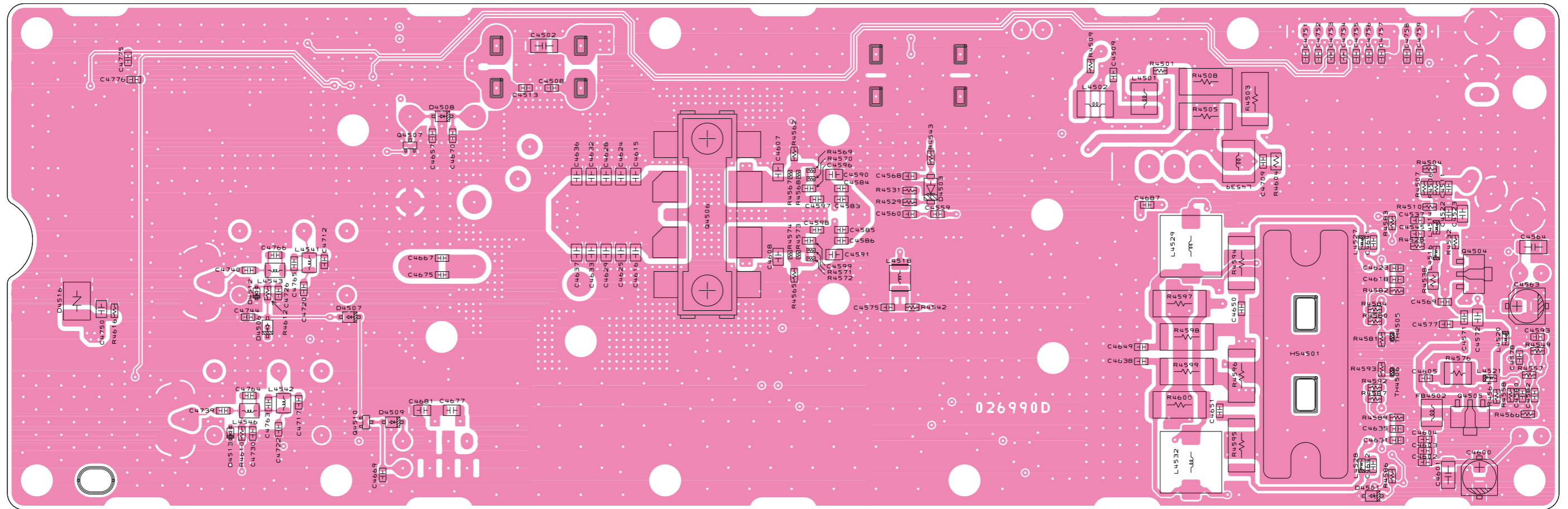


NOTE:  
 RESISTOR VALUES ARE IN  $\Omega$ , 1/16W ;  
 CAPACITOR VALUES ARE IN  $\mu F$ , 50V ;  
 CAPACITOR VALUES ARE IN  $\mu F$ , 50V ;  
 ELECTROLYTIC CAPACITOR ARE IN  $\mu F$ , 16V ;  
 INDUCTOR VALUES ARE IN  $\mu H$  ;  
 COILS VALUES ARE IN  $\mu H$  ;  
 UNLESS OTHERWISE NOTED.





V\_U-PA Unit (Lot. 7-)  
Parts Layout (side B)



# V\_U-PA Unit

## Parts List

| REF    | DESCRIPTION         | VALUE   | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------------|---------|------|------|--------------------|-----------|-------|-----|------|---------|
|        | PCB with Components |         |      |      |                    |           |       |     |      |         |
| C 4501 | AL.ELECTRO.CAP.     | 47uF    | 35V  |      | EEE1VA470WP        | CS2321601 |       | 1-  | A    | F1      |
| C 4502 | CHIP CAP.           | 10uF    | 25V  | B    | GRM31CB31E106KA75L | K22141815 |       | 1-  | B    | e1      |
| C 4506 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | C3      |
| C 4507 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 4508 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | e1      |
| C 4509 | CHIP CAP.           | 18pF    | 50V  | CH   | GRM1882C1H180JA01D | K22174217 |       | 1-  | B    | i1      |
| C 4510 | CHIP CAP.           | 0.033uF | 16V  | B    | GRM188B11C333KA01D | K22124812 |       | 1-  | A    | B3      |
| C 4512 | CHIP CAP.           | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | C3      |
| C 4513 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e1      |
| C 4514 | CHIP CAP.           | 47pF    | 50V  | CH   | GRM1882C1H470JA01D | K22174227 |       | 1-  | A    | A1      |
| C 4515 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | C3      |
| C 4516 | CHIP CAP.           | 3pF     | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | A    | B1      |
| C 4517 | CHIP CAP.           | 12pF    | 50V  | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | A1      |
| C 4518 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | B1      |
| C 4519 | CHIP CAP.           | 68pF    | 50V  | CH   | GRM1882C1H680JA01D | K22174231 |       | 1-  | A    | A1      |
| C 4521 | CHIP CAP.           | 8pF     | 50V  | CH   | GRM1882C1H8R0DA01D | K22174209 |       | 1-  | A    | B2      |
| C 4522 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | j2      |
| C 4523 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | B    | j2      |
| C 4524 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | B1      |
| C 4526 | CHIP CAP.           | 56pF    | 50V  | CH   | GRM1882C1H560JA01D | K22174229 |       | 1-  | A    | A1      |
| C 4527 | CHIP CAP.           | 5pF     | 50V  | CH   | GRM1882C1H5R0CA01D | K22174206 |       | 1-  | A    | B2      |
| C 4528 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | B3      |
| C 4529 | CHIP CAP.           | 22pF    | 50V  | CH   | GRM1882C1H220JA01D | K22174219 |       | 1-  | A    | B1      |
| C 4530 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | D3      |
| C 4531 | CHIP CAP.           | 10pF    | 50V  | CH   | GRM1882C1H100JA01D | K22174211 |       | 1-  | A    | B2      |
| C 4532 | AL.ELECTRO.CAP.     | 10uF    | 16V  |      | UWX1C100MCL2GB     | K48120016 |       | 1-  | A    | B3      |
| C 4533 | CHIP CAP.           | 33pF    | 50V  | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | A    | B1      |
| C 4534 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | D3      |
| C 4536 | CHIP CAP.           | 3pF     | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | A    | B2      |
| C 4539 | CHIP CAP.           | 7pF     | 50V  | CH   | GRM1882C1H7R0DA01D | K22174208 |       | 1   | A    | B2      |
| C 4540 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 4542 | CHIP CAP.           | 6pF     | 50V  | CH   | GRM1882C1H6R0DA01D | K22174207 |       | 1-  | A    | B2      |
| C 4543 | CHIP CAP.           | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 4544 | CHIP CAP.           | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | A    | B2      |
| C 4545 | CHIP CAP.           | 4pF     | 50V  | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | B    | j2      |
| C 4547 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A2      |
| C 4552 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | C2      |
| C 4553 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 4554 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | A    | A2      |
| C 4556 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | B2      |
| C 4558 | CHIP CAP.           | 8pF     | 50V  | CH   | GRM1882C1H8R0DA01D | K22174209 |       | 2   | A    | C2      |
| C 4559 | CHIP CAP.           | 82pF    | 50V  | CH   | GRM1882C1H820JA01D | K22174233 |       | 1-  | B    | h2      |
| C 4560 | CHIP CAP.           | 33pF    | 50V  | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | B    | g2      |
| C 4561 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | C2      |
| C 4562 | CHIP CAP.           | 27pF    | 50V  | CH   | GRM1882C1H270JA01D | K22174221 |       | 1-  | A    | C2      |
| C 4563 | AL.ELECTRO.CAP.     | 10uF    | 16V  |      | RV4-16V100MD46-RR2 | K48120018 |       | 1-  | B    | j2      |
| C 4564 | CHIP CAP.           | 22uF    | 16V  | B    | GRM31CB31C226ME15L | K22121804 |       | 1-  | B    | j2      |
| C 4565 | CHIP CAP.           | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 4566 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A2      |
| C 4567 | CHIP CAP.           | 27pF    | 50V  | CH   | GRM1882C1H270JA01D | K22174221 |       | 1-  | A    | C2      |
| C 4568 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | g2      |
| C 4569 | CHIP CAP.           | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | j2      |
| C 4570 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 4571 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | j2      |
| C 4572 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | B    | j2      |
| C 4573 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 4574 | CHIP CAP.           | 47pF    | 50V  | CH   | GRM1882C1H470JA01D | K22174227 |       | 1-  | A    | C2      |
| C 4575 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | g2      |
| C 4576 | CHIP CAP.           | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 4579 | CHIP CAP.           | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A3      |
| C 4580 | CHIP CAP.           | 4pF     | 50V  | CH   | GRM1882C1H4R0CA01D | K22174205 |       | 1-  | B    | j3      |
| C 4581 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | A    | A2      |
| C 4583 | CHIP CAP.           | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | g2      |
| C 4584 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | g2      |
| C 4585 | CHIP CAP.           | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | g2      |
| C 4586 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | g2      |
| C 4587 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | C2      |
| C 4588 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | C2      |
| C 4589 | CHIP CAP.           | 22pF    | 250V | C0G  | GQM2195C2E220JB12D | K22240236 |       | 1-  | A    | C2      |
| C 4590 | CHIP CAP.           | 22pF    | 250V | C0G  | GQM2195C2E220JB12D | K22240236 |       | 1-  | B    | g2      |
| C 4591 | CHIP CAP.           | 22pF    | 250V | C0G  | GQM2195C2E220JB12D | K22240236 |       | 1-  | B    | g2      |
| C 4592 | CHIP CAP.           | 22pF    | 250V | C0G  | GQM2195C2E220JB12D | K22240236 |       | 1-  | A    | C2      |
| C 4593 | CHIP CAP.           | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | j2      |
| C 4594 | CHIP CAP.           | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | C2      |

# V\_U-PA Unit

## Parts List

| REF    | DESCRIPTION     | VALUE   | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|---------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 4595 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | C2      |
| C 4596 | CHIP CAP.       | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | g2      |
| C 4597 | CHIP CAP.       | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | g2      |
| C 4598 | CHIP CAP.       | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | g2      |
| C 4599 | CHIP CAP.       | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | g2      |
| C 4600 | AL.ELECTRO.CAP. | 10uF    | 16V  |      | RV4-16V100MD46-RR2 | K48120018 |       | 1-  | B    | j3      |
| C 4601 | CHIP CAP.       | 22uF    | 16V  | B    | GRM31CB31C226ME15L | K22121804 |       | 1-  | B    | j3      |
| C 4602 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | j3      |
| C 4603 | CHIP CAP.       | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | j3      |
| C 4604 | CHIP CAP.       | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j3      |
| C 4605 | CHIP CAP.       | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | B    | j3      |
| C 4607 | CHIP CAP.       | 15pF    | 250V | C0G  | GQM2195C2E150JB12D | K22240234 |       | 1-  | B    | g2      |
| C 4608 | CHIP CAP.       | 15pF    | 250V | C0G  | GQM2195C2E150JB12D | K22240234 |       | 1-  | B    | g2      |
| C 4613 | CHIP CAP.       | 12pF    | 50V  | CH   | GRM1882C1H120JA01D | K22174213 |       | 1-  | A    | A3      |
| C 4614 | CHIP CAP.       | 10pF    | 50V  | CH   | GRM1882C1H100RA01D | K22174248 |       | 1-  | A    | A3      |
| C 4615 | CHIP CAP.       | 47pF    | 250V | C0G  | GQM2195C2E470JB12D | K22240254 |       | 1-  | B    | f2      |
| C 4616 | CHIP CAP.       | 33pF    | 250V | C0G  | GQM2195C2E330JB12D | K22240238 |       | 1-  | B    | f2      |
| C 4617 | CHIP CAP.       | 1uF     | 25V  | B    | GRM21BB31E105KA98L | K22140826 |       | 1-  | A    | E1      |
| C 4618 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | j2      |
| C 4619 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 4620 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | A    | A3      |
| C 4621 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | A    | A3      |
| C 4622 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 4623 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | j2      |
| C 4625 | CHIP CAP.       | 10pF    | 250V | C0G  | GQM2195C2E100JB12D | K22240253 |       | 1-  | B    | f2      |
| C 4626 | CHIP CAP.       | 0.047uF | 25V  | B    | GRM188B11E473KA01D | K22144811 |       | 1-  | A    | D1      |
| C 4627 | CHIP CAP.       | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F1      |
| C 4629 | CHIP CAP.       | 2pF     | 250V | C0G  | GQM2195C2E2R0BB12D | K22240225 |       | 1-  | B    | f2      |
| C 4630 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | A    | D1      |
| C 4631 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | j3      |
| C 4634 | CHIP CAP.       | 150pF   | 50V  | CH   | GRM1882C1H151JA01D | K22174239 |       | 1-  | A    | D1      |
| C 4635 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | j3      |
| C 4636 | CHIP CAP.       | 18pF    | 250V | C0G  | GQM2195C2E180JB12D | K22240235 |       | 1-  | B    | e2      |
| C 4637 | CHIP CAP.       | 18pF    | 250V | C0G  | GQM2195C2E180JB12D | K22240235 |       | 1-  | B    | e2      |
| C 4638 | CHIP CAP.       | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | i3      |
| C 4639 | CHIP CAP.       | 3pF     | 250V | C0G  | GQM2195C2E3R0BB12D | K22240226 |       | 1-  | A    | E2      |
| C 4643 | CHIP CAP.       | 33pF    | 250V | C0G  | GQM2195C2E330GB12D | K22240231 |       | 1-  | A    | E2      |
| C 4644 | CHIP CAP.       | 33pF    | 250V | C0G  | GQM2195C2E330GB12D | K22240231 |       | 1-  | A    | E2      |
| C 4645 | CHIP CAP.       | 27pF    | 250V | C0G  | GQM2195C2E270GB12D | K22240230 |       | 1-  | A    | E2      |
| C 4646 | CHIP CAP.       | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | E2      |
| C 4649 | CHIP CAP.       | 100pF   | 50V  | CH   | GRM1882C1H101JA01D | K22174235 |       | 1-  | B    | i3      |
| C 4650 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | i2      |
| C 4651 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | B    | i3      |
| C 4652 | CHIP CAP.       | 4pF     | 250V | C0G  | GQM2195C2E4R0BB12D | K22240227 |       | 1-  | A    | E2      |
| C 4653 | CHIP CAP.       | 100pF   | 250V | C0G  | GRM21A5C2E101JW01D | K22240313 |       | 1-  | A    | E2      |
| C 4654 | CHIP CAP.       | 4pF     | 250V | C0G  | GQM2195C2E4R0BB12D | K22240227 |       | 1-  | A    | E2      |
| C 4655 | CHIP CAP.       | 100pF   | 250V | C0G  | GRM21A5C2E101JW01D | K22240313 |       | 1-  | A    | E2      |
| C 4657 | CHIP CAP.       | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e1      |
| C 4658 | CHIP CAP.       | 8pF     | 250V | C0G  | GQM2195C2E8R0DB12D | K22240251 |       | 1-  | A    | E3      |
| C 4659 | CHIP CAP.       | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A2      |
| C 4660 | CHIP CAP.       | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A2      |
| C 4661 | CHIP CAP.       | 10uF    | 25V  | B    | GRM31CB31E106KA75L | K22141815 |       | 1-  | A    | A2      |
| C 4662 | AL.ELECTRO.CAP. | 47uF    | 35V  |      | EEE1VA470WHP       | K48160005 |       | 1-  | A    | A2      |
| C 4663 | AL.ELECTRO.CAP. | 47uF    | 35V  |      | EEE1VA470WHP       | K48160005 |       | 1-  | A    | A3      |
| C 4664 | CHIP CAP.       | 10uF    | 25V  | B    | GRM31CB31E106KA75L | K22141815 |       | 1-  | A    | A3      |
| C 4665 | CHIP CAP.       | 0.01uF  | 50V  | B    | GRM188B11H103KA01D | K22174823 |       | 1-  | A    | A3      |
| C 4666 | CHIP CAP.       | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | A3      |
| C 4667 | CHIP CAP.       | 10pF    | 250V | C0G  | GQM1875C2E100JB12D | K22244224 |       | 1-  | B    | e2      |
| C 4668 | CHIP CAP.       | 8pF     | 250V | C0G  | GQM2195C2E8R0DB12D | K22240251 |       | 1-  | A    | E3      |
| C 4670 | CHIP CAP.       | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | e1      |
| C 4671 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A2      |
| C 4672 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM188B11E104KA01D | K22144814 |       | 1-  | A    | A3      |
| C 4673 | CHIP CAP.       | 0.001uF | 100V | CH   | GRM2192C2A102JA01D | K22200203 |       | 1-  | A    | E3      |
| C 4674 | CHIP CAP.       | 0.001uF | 100V | CH   | GRM2192C2A102JA01D | K22200203 |       | 1-  | A    | E3      |
| C 4675 | CHIP CAP.       | 7pF     | 250V | C0G  | GQM1875C2E7R0DB12D | K22244218 |       | 1-  | B    | e2      |
| C 4677 | CHIP CAP.       | 3pF     | 250V | C0G  | GQM2195C2E3R0CB12D | K22240246 |       | 1-  | B    | e3      |
| C 4680 | CHIP CAP.       | 2pF     | 250V | C0G  | GQM1875C2E2R0CB12D | K22244208 |       | 1-  | A    | F2      |
| C 4681 | CHIP CAP.       | 12pF    | 250V | C0G  | GRM21A5C2E120JW01D | K22240302 |       | 1-  | B    | e3      |
| C 4685 | CHIP CAP.       | 12pF    | 250V | C0G  | GRM21A5C2E120JW01D | K22240302 |       | 1-  | A    | F3      |
| C 4686 | CHIP CAP.       | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | F2      |
| C 4687 | CHIP CAP.       | 3pF     | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | B    | i2      |
| C 4688 | CHIP CAP.       | 9pF     | 250V | C0G  | GQM2195C2E9R0DB12D | K22240252 |       | 1-  | A    | F3      |
| C 4690 | CHIP CAP.       | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | A    | A2      |
| C 4691 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | A    | A2      |
| C 4692 | CHIP CAP.       | 0.1uF   | 25V  | B    | GRM21BB11E104KA01L | K22140811 |       | 1-  | A    | A2      |



# V\_U-PA Unit

## Parts List

| REF    | DESCRIPTION    | VALUE   | V/W  | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|----------------|---------|------|------|--------------------|-----------|-------|-----|------|---------|
| C 4693 | CHIP CAP.      | 0.001uF | 50V  | CH   | GRM2162C1H102JA01D | K22170288 |       | 1-  | A    | A2      |
| C 4694 | CHIP CAP.      | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | F2      |
| C 4695 | CHIP CAP.      | 10pF    | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 1-  | A    | F3      |
| C 4697 | CHIP CAP.      | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | F2      |
| C 4698 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | G2      |
| C 4699 | CHIP CAP.      | 12pF    | 250V | C0G  | GRM21A5C2E120JW01D | K22240302 |       | 1-  | A    | F3      |
| C 4701 | CHIP CAP.      | 3pF     | 250V | C0G  | GQM1875C2E3R0CB12D | K22244210 |       | 1-  | A    | G2      |
| C 4702 | CHIP CAP.      | 3pF     | 250V | C0G  | GQM1875C2E3R0CB12D | K22244210 |       | 1-  | A    | G2      |
| C 4704 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | G3      |
| C 4705 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F2      |
| C 4706 | CHIP CAP.      | 3pF     | 250V | C0G  | GQM1875C2E3R0CB12D | K22244210 |       | 1-  | A    | G2      |
| C 4708 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | G3      |
| C 4710 | CHIP CAP.      | 3pF     | 250V | C0G  | GQM1875C2E3R0CB12D | K22244210 |       | 1-  | A    | F2      |
| C 4712 | CHIP CAP.      | 8pF     | 50V  | CH   | GRM1882C1H8R0DA01D | K22174209 |       | 1-  | B    | d2      |
| C 4714 | CHIP CAP.      | 3pF     | 250V | C0G  | GQM1875C2E3R0CB12D | K22244210 |       | 1-  | A    | F2      |
| C 4715 | CHIP CAP.      | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | F1      |
| C 4716 | CHIP CAP.      | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | F1      |
| C 4717 | CHIP CAP.      | 15pF    | 50V  | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | B    | d3      |
| C 4718 | CHIP CAP.      | 2pF     | 250V | C0G  | GQM1875C2E2R0CB12D | K22244208 |       | 3-  | A    | F1      |
| C 4719 | CHIP CAP.      | 10pF    | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 1-  | A    | G2      |
| C 4720 | CHIP CAP.      | 5pF     | 50V  | CH   | GRM1882C1H5R0CA01D | K22174206 |       | 1-  | B    | d2      |
| C 4721 | CHIP CAP.      | 10pF    | 250V | C0G  | GRM21A5C2E100JW01D | K22240301 |       | 1-  | A    | G2      |
| C 4722 | CHIP CAP.      | 33pF    | 50V  | CH   | GRM1882C1H330JA01D | K22174223 |       | 1-  | B    | d3      |
| C 4723 | CHIP CAP.      | 2pF     | 250V | C0G  | GQM1875C2E2R0CB12D | K22244208 |       | 1-  | A    | G1      |
| C 4724 | CHIP CAP.      | 2pF     | 250V | C0G  | GQM1875C2E2R0CB12D | K22244208 |       | 1-  | A    | G1      |
| C 4725 | CHIP CAP.      | 0.5pF   | 250V | C0G  | GQM1875C2ER50CB12D | K22244202 |       | 1-  | A    | G1      |
| C 4726 | CHIP CAP.      | 3pF     | 50V  | CJ   | GRM1883C1H3R0CA01D | K22174204 |       | 1-  | B    | d2      |
| C 4727 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F1      |
| C 4728 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | F1      |
| C 4730 | CHIP CAP.      | 15pF    | 50V  | CH   | GRM1882C1H150JA01D | K22174215 |       | 1-  | B    | d3      |
| C 4731 | CHIP CAP.      | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | G1      |
| C 4732 | CHIP CAP.      | 4pF     | 250V | C0G  | GQM1875C2E4R0CB12D | K22244212 |       | 1-  | A    | G1      |
| C 4734 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | H1      |
| C 4735 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | H1      |
| C 4738 | CHIP CAP.      | 1pF     | 50V  | CK   | GRM1884C1H1R0BA01D | K22174267 |       | 1-  | A    | G2      |
| C 4739 | CHIP CAP.      | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | c3      |
| C 4740 | CHIP CAP.      | 0.001uF | 50V  | CH   | GRM1882C1H102JA01D | K22174275 |       | 1-  | B    | c2      |
| C 4741 | CHIP CAP.      | 0.5pF   | 50V  | CK   | GRM1884C1HR50BA01D | K22174265 |       | 1-  | A    | H1      |
| C 4743 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | G3      |
| C 4744 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | c2      |
| C 4746 | CHIP CAP.      | 0.5pF   | 50V  | CK   | GRM1884C1HR50BA01D | K22174265 |       | 1-  | A    | H2      |
| C 4747 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | G2      |
| C 4748 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | A    | G3      |
| C 4751 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4752 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4753 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4754 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4755 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4756 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4757 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4758 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4759 | CHIP CAP.      | 0.001uF | 50V  | B    | GRM188B11H102KA01D | K22174821 |       | 1-  | B    | j1      |
| C 4761 | CHIP CAP.      | 1pF     | 250V | C0G  | GQM2195C2E1R0CB12D | K22240244 |       | 1-  | A    | H3      |
| C 4777 | CHIP CAP.      | 1pF     | 250V | C0G  | GQM1875C2E1R0CB12D | K22244206 |       | 3-  | A    | G1      |
| C 4778 | CHIP CAP.      | 2pF     | 250V | C0G  | GQM1875C2E2R0CB12D | K22244208 |       | 3   | A    | E3      |
| C 4778 | CHIP CAP.      | 5pF     | 250V | C0G  | GQM1875C2E5R0CB12D | K22244214 |       | 4-  | A    | E3      |
| D 4501 | DIODE          |         |      |      | UDZS TE-17 3.9B    | G2070906  |       | 1-  | B    | j3      |
| D 4502 | DIODE          |         |      |      | JDP2S12CR          | G2071416  |       | 1-  | A    | C2      |
| D 4503 | DIODE          |         |      |      | JDP2S12CR          | G2071416  |       | 1-  | B    | h2      |
| D 4505 | DIODE          |         |      |      | BAS316             | G2070716  |       | 1-  | A    | D2      |
| D 4506 | DIODE          |         |      |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | d2      |
| D 4508 | DIODE          |         |      |      | 1SS355 TE-17       | G2070470  |       | 1-  | B    | e1      |
| D 4510 | DIODE          |         |      |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | G2      |
| D 4511 | DIODE          |         |      |      | 1SS355 TE-17       | G2070470  |       | 1-  | A    | G3      |
| D 4512 | DIODE          |         |      |      | 1SS390             | G2071226  |       | 1-  | B    | d2      |
| D 4513 | DIODE          |         |      |      | 1SS390             | G2071226  |       | 1-  | B    | c3      |
| D 4514 | DIODE          |         |      |      | RB751S-40TE61      | G2070850  |       | 1-  | A    | H1      |
| D 4515 | DIODE          |         |      |      | RB751S-40TE61      | G2070850  |       | 1-  | A    | G2      |
| D 4516 | SURGE ABSORBER |         |      |      | RHCA-301Q43U       | Q9000827  |       | 1-  | B    | b2      |
| D 4517 | DIODE          |         |      |      | BAS316             | G2070716  |       | 1-  | A    | D3      |
| D 4518 | DIODE          |         |      |      | BAS316             | G2070716  |       | 1-  | A    | D3      |
| FB4501 | FERRITE BEADS  |         |      |      | FBMH3225HM102NT    | L9190173  |       | 1-  | A    | A2      |
| FB4502 | FERRITE BEADS  |         |      |      | FBMH3225HM102NT    | L9190173  |       | 1-  | B    | j3      |
| FB4503 | FERRITE BEADS  |         |      |      | SMB304729          | L9190094  |       | 1-  | A    | E1      |
| FB4504 | FERRITE BEADS  |         |      |      | SMB304729          | L9190094  |       | 1-  | A    | E1      |

# V\_U-PA Unit Parts List

| REF    | DESCRIPTION    | VALUE    | V/W | TOL. | MFR'S DESIG         | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|----------------|----------|-----|------|---------------------|-----------|-------|-----|------|---------|
| HS4501 | HEATSINK PLATE |          |     |      |                     | RA0416500 |       | 1-  | B    | j3      |
| J 4501 | CONNECTOR      |          |     |      | TMP-S01X-B1         | P1091466  |       | 1-  | A    | A2      |
| J 4502 | CONNECTOR      |          |     |      | TMP-S01X-B1         | P1091466  |       | 1-  | A    | A1      |
| J 4503 | TERMINAL       |          |     |      | Y106                | S5000179  |       | 1-  | A    | E1      |
| J 4504 | TERMINAL       |          |     |      | Y106                | S5000179  |       | 1-  | A    | C1      |
| J 4505 | CONNECTOR      |          |     |      | IMSA-9202B-1-02-T   | P0091174  |       | 1-  | A    | A2      |
| J 4506 | CONNECTOR      |          |     |      | IMSA-9202B-1-02-T   | P0091174  |       | 1-  | A    | A3      |
| J 4507 | CONNECTOR      |          |     |      | IMSA-9202B-1-02-T   | P0091174  |       | 1-  | A    | B1      |
| J 4508 | CONNECTOR      |          |     |      | B12B-ZR(LF)(SN)     | P0090782  |       | 1-  | A    | A1      |
| J 4509 | CONNECTOR      |          |     |      | TMP-J01X-V6         | P1090210  |       | 1-  | A    | G3      |
| J 4510 | CONNECTOR      |          |     |      | TMP-J01X-V6         | P1090210  |       | 1-  | A    | G2      |
| L 4501 | COIL           |          |     |      | E2 0.5-2.0-6T-R     | L0022488  |       | 1-  | B    | i1      |
| L 4502 | COIL           |          |     |      | E2 0.5-2.0-7T-R     | L0022489  |       | 1-  | B    | i1      |
| L 4503 | COIL           |          |     |      | E2 0.25-1.85-8.5T-L | L0022576  |       | 1-  | A    | A1      |
| L 4504 | COIL           |          |     |      | E2 0.4-3.0-9.5T-L   | L0022575  |       | 1-  | A    | A1      |
| L 4505 | COIL           |          |     |      | E2 0.3-1.7-8T-L     | L0022376  |       | 1-  | A    | B1      |
| L 4506 | COIL           |          |     |      | E2 0.25-1.9-12.5T-L | L0022600  |       | 1-  | A    | A1      |
| L 4507 | COIL           |          |     |      | E2 0.45-1.4-4T-L    | L0022391  |       | 1-  | A    | B2      |
| L 4508 | COIL           |          |     |      | E2 0.3-1.7-8T-L     | L0022376  |       | 1-  | A    | B1      |
| L 4509 | COIL           |          |     |      | E2 0.35-1.6-4.5T-L  | L0022577  |       | 1-  | A    | B2      |
| L 4510 | COIL           |          |     |      | E2 0.25-1.9-12T-L   | L0022592  |       | 1-  | A    | A1      |
| L 4511 | COIL           |          |     |      | E2 0.3-1.7-8T-L     | L0022376  |       | 1-  | A    | B1      |
| L 4512 | COIL           |          |     |      | E2 0.3-0.9-3T-R     | L0022389  |       | 1-  | A    | B2      |
| L 4514 | M.RFC          | 0.012uH  |     |      | HK1608 12NJ-T       | L1690517  |       | 1-  | B    | j2      |
| L 4516 | M.RFC          | 0.082uH  |     |      | HK1608 82NJ-T       | L1690527  |       | 1-  | B    | j2      |
| L 4517 | COIL           | 0.009uH  |     |      | ASs050325-8R8NJ     | L0022612  |       | 2   | A    | C2      |
| L 4518 | CHIP COIL      | 1uH      |     |      | NLV32T-1R0J-PF      | L1691349  |       | 1-  | B    | g2      |
| L 4519 | COIL           | 0.012uH  |     |      | AS080336-12N        | L0022810  |       | 1-  | A    | C2      |
| L 4520 | M.RFC          | 0.012uH  |     |      | HK1608 12NJ-T       | L1690517  |       | 1-  | B    | j2      |
| L 4521 | M.RFC          | 0.056uH  |     |      | HK1608 56NJ-T       | L1690525  |       | 1-  | B    | j3      |
| L 4522 | M.RFC          | 0.0027uH |     |      | HK1608 2N7S-T       | L1690509  |       | 1-  | A    | A2      |
| L 4523 | M.RFC          | 0.0027uH |     |      | HK1608 2N7S-T       | L1690509  |       | 1-  | A    | A3      |
| L 4524 | M.RFC          | 0.47uH   |     |      | HK1608 R47J-T       | L1691577  |       | 1-  | A    | F1      |
| L 4525 | COIL           | 0.047uH  |     |      | AS100747-47N        | L0022548  |       | 1-  | A    | D2      |
| L 4526 | COIL A1        |          |     |      | 1.5T3.0D0.8UEW R    | L0022341  |       | 1-  | A    | E1      |
| L 4527 | M.RFC          | 0.022uH  |     |      | HK1608 22NJ-T       | L1690520  |       | 1-  | B    | j2      |
| L 4528 | M.RFC          | 0.022uH  |     |      | HK1608 22NJ-T       | L1690520  |       | 1-  | B    | j3      |
| L 4529 | M.RFC          | 10uH     |     |      | CDRH74-100MC        | L1690599  |       | 1-  | B    | i2      |
| L 4530 | COIL           |          |     |      | E2 0.4-3.0-9.5T-L   | L0022575  |       | 1-  | A    | A2      |
| L 4531 | COIL           |          |     |      | E2 0.4-3.0-9.5T-L   | L0022575  |       | 1-  | A    | A3      |
| L 4532 | M.RFC          | 10uH     |     |      | CDRH74-100MC        | L1690599  |       | 1-  | B    | i3      |
| L 4533 | COIL A1        |          |     |      | 1.5T3.0D1.2AIW R    | L0023208  |       | 1-  | A    | E2      |
| L 4534 | COIL           | 0.033uH  |     |      | AS100547-33N        | L0022546  |       | 1-  | A    | E2      |
| L 4535 | COIL           | 0.033uH  |     |      | AS100547-33N        | L0022546  |       | 1-  | A    | F3      |
| L 4536 | COIL           | 0.01uH   |     |      | AS100340-10N        | L0022544  |       | 1-  | A    | F2      |
| L 4537 | COIL           | 0.033uH  |     |      | AS100547-33N        | L0022546  |       | 1-  | A    | F3      |
| L 4538 | COIL           | 0.015uH  |     |      | AS100440-15N        | L0022811  |       | 1-  | A    | G2      |
| L 4540 | COIL           | 0.033uH  |     |      | AS100547-33N        | L0022546  |       | 1-  | A    | G2      |
| L 4541 | M.RFC          | 0.012uH  |     | 2%   | 0805CS-120XGLC      | L1691623  |       | 1-  | B    | d2      |
| L 4542 | M.RFC          | 0.056uH  |     | 2%   | 0805CS-560XGLC      | L1691631  |       | 1-  | B    | d3      |
| L 4543 | M.RFC          | 0.01uH   |     | 2%   | 0805CS-100XGLC      | L1691622  |       | 1-  | B    | d2      |
| L 4544 | COIL           | 0.015uH  |     |      | AS100440-15N        | L0022811  |       | 1-  | A    | G1      |
| L 4545 | COIL           | 0.047uH  |     |      | AS100747-47N        | L0022548  |       | 1-  | A    | G2      |
| L 4546 | M.RFC          | 0.056uH  |     | 2%   | 0805CS-560XGLC      | L1691631  |       | 1-  | B    | c3      |
| L 4547 | COIL           | 0.01uH   |     |      | AS100340-10N        | L0022544  |       | 1-  | A    | G1      |
| L 4548 | CHIP COIL      | 4.7uH    |     | 5%   | NLV25T-4R7J-PF      | L1691432  |       | 1-  | A    | H1      |
| L 4549 | CHIP COIL      | 4.7uH    |     | 5%   | NLV25T-4R7J-PF      | L1691432  |       | 1-  | A    | G3      |
| L 4550 | TERMINAL       | 0uH      |     |      | NC-0.5-2.0-T        | L0023022  |       | 7-  | A    | E1      |
| L 4551 | TERMINAL       | 0uH      |     |      | NC-0.5-2.0-T        | L0023022  |       | 7-  | A    | E1      |
| P 4501 | CONNECTOR      |          |     |      | IMSA-9206H-T        | P1090988  |       | 1-  |      |         |
| P 4502 | CONNECTOR      |          |     |      | IMSA-9206H-T        | P1090988  |       | 1-  |      |         |
| P 4503 | CONNECTOR      |          |     |      | IMSA-9206H-T        | P1090988  |       | 1-  |      |         |
| Q 4501 | IC             |          |     |      | TA78L05F(TE12L.F)   | G1091014  |       | 1-  | A    | B3      |
| Q 4502 | IC             |          |     |      | LM20BIM7            | G1094585  |       | 1-  | A    | D2      |
| Q 4503 | TRANSISTOR     |          |     |      | UMD6N TR            | G3070215  |       | 1-  | A    | C3      |
| Q 4504 | FET            |          |     |      | RD01MUS1-T113       | G3070321  |       | 1-  | B    | j2      |
| Q 4505 | FET            |          |     |      | RD01MUS1-T113       | G3070321  |       | 1-  | B    | j3      |
| Q 4506 | FET            |          |     |      | RD70HUF2            | G3090157  |       | 1-  | B    | f2      |
| Q 4507 | TRANSISTOR     |          |     |      | DTC143EE TL         | G3070114  |       | 1-  | B    | d1      |
| Q 4508 | FET            |          |     |      | RD07MUS2B           | G3070412  |       | 1-  | A    | A2      |
| Q 4509 | FET            |          |     |      | RD07MUS2B           | G3070412  |       | 1-  | A    | A3      |
| Q 4511 | TRANSISTOR     |          |     |      | DTC143EE TL         | G3070114  |       | 1-  | A    | G2      |
| Q 4512 | TRANSISTOR     |          |     |      | DTC143EE TL         | G3070114  |       | 1-  | A    | G3      |
| Q 4513 | TRANSISTOR     |          |     |      | UMD5N TR            | G3070343  |       | 1-  | A    | C3      |
| Q 4514 | TRANSISTOR     |          |     |      | IMH6A T108          | G3070066  |       | 1-  | A    | F1      |

# V\_U-PA Unit

## Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 4501 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | B    | i1      |
| R 4502 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | A1      |
| R 4503 | CHIP RES.   | 820   | 1W    | 5%   | RMC1 821JTE     | J24305821 |       | 1-  | B    | i1      |
| R 4504 | CHIP RES.   | 270   | 1/16W | 5%   | RMC1/16 271JATP | J24185271 |       | 1-  | B    | j1      |
| R 4505 | CHIP RES.   | 6.8   | 1W    | 5%   | RMC1 6R8JTE     | J24305689 |       | 1-  | B    | i1      |
| R 4506 | CHIP RES.   | 39    | 1/16W | 5%   | RMC1/16 390JATP | J24185390 |       | 1-  | B    | j2      |
| R 4507 | CHIP RES.   | 39    | 1/16W | 5%   | RMC1/16 390JATP | J24185390 |       | 1-  | B    | j2      |
| R 4508 | CHIP RES.   | 820   | 1W    | 5%   | RMC1 821JTE     | J24305821 |       | 1-  | B    | i1      |
| R 4509 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | B    | h1      |
| R 4510 | CHIP RES.   | 270   | 1/16W | 5%   | RMC1/16 271JATP | J24185271 |       | 1-  | B    | j2      |
| R 4511 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | B1      |
| R 4512 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16 473JATP | J24185473 |       | 1-  | A    | C3      |
| R 4513 | CHIP RES.   | 470   | 1/16W | 5%   | RMC1/16 471JATP | J24185471 |       | 1-  | A    | D3      |
| R 4514 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | A    | C3      |
| R 4515 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | D3      |
| R 4516 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | B2      |
| R 4517 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | B1      |
| R 4518 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | B1      |
| R 4519 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4520 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4521 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4523 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | A2      |
| R 4524 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | A2      |
| R 4525 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4526 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | A2      |
| R 4527 | CHIP RES.   | 56    | 1/16W | 5%   | RMC1/16 560JATP | J24185560 |       | 1-  | A    | A2      |
| R 4528 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | B    | j2      |
| R 4529 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | g2      |
| R 4530 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4531 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | g2      |
| R 4532 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | j2      |
| R 4533 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4534 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4536 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4537 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4538 | CHIP RES.   | 100   | 1/10W | 5%   | RMC1/10T 101J   | J24205101 |       | 1-  | B    | j2      |
| R 4539 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4540 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4541 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4542 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | B    | g2      |
| R 4543 | CHIP RES.   | 100   | 1/16W | 5%   | RMC1/16 101JATP | J24185101 |       | 1-  | B    | h1      |
| R 4544 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | A    | C2      |
| R 4545 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C2      |
| R 4546 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C2      |
| R 4547 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C2      |
| R 4548 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16 102JATP | J24185102 |       | 1-  | A    | C2      |
| R 4550 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP | J24185472 |       | 1-  | A    | A2      |
| R 4551 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | A2      |
| R 4555 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | A    | D2      |
| R 4556 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | A    | A3      |
| R 4557 | CHIP RES.   | 56    | 1/16W | 5%   | RMC1/16 560JATP | J24185560 |       | 1-  | B    | j3      |
| R 4558 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | B    | j3      |
| R 4559 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C2      |
| R 4560 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C2      |
| R 4561 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16 100JATP | J24185100 |       | 1-  | B    | j3      |
| R 4563 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C2      |
| R 4564 | CHIP RES.   | 47    | 1/16W | 5%   | RMC1/16 470JATP | J24185470 |       | 1-  | A    | C2      |
| R 4567 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4568 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4569 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g1      |
| R 4570 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4571 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4572 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4573 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4574 | CHIP RES.   | 10    | 1/16W | 5%   | RMC1/16S 100JTH | J24189001 |       | 1-  | B    | g2      |
| R 4575 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16 000JATP | J24185000 |       | 1-  | A    | D2      |
| R 4576 | CHIP RES.   | 150   | 1/4W  | 5%   | RMC1/4 151JATP  | J24245151 |       | 1-  | B    | j3      |
| R 4577 | CHIP RES.   | 1.2k  | 1/16W | 5%   | RMC1/16 122JATP | J24185122 |       | 1-  | A    | D2      |
| R 4578 | CHIP RES.   | 6.8k  | 1/16W | 5%   | RMC1/16 682JATP | J24185682 |       | 1-  | A    | D2      |
| R 4579 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | A    | D2      |
| R 4580 | CHIP RES.   | 5.6k  | 1/16W | 5%   | RMC1/16 562JATP | J24185562 |       | 1-  | B    | j2      |
| R 4581 | CHIP RES.   | 8.2k  | 1/16W | 5%   | RMC1/16 822JATP | J24185822 |       | 1-  | B    | j2      |
| R 4582 | CHIP RES.   | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP | J24185222 |       | 1-  | B    | j2      |
| R 4583 | CHIP RES.   | 2.7k  | 1/16W | 5%   | RMC1/16 272JATP | J24185272 |       | 1-  | B    | j2      |
| R 4583 | CHIP RES.   | 2.4k  | 1/16W | 0.5% | RGC1/16C242DTP  | J24189414 |       | 14- | B    | j2      |



# V\_U-PA Unit

## Parts List

| REF    | DESCRIPTION   | VALUE | V/W   | TOL. | MFR'S DESIG       | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|-------|-------|------|-------------------|-----------|-------|-----|------|---------|
| R 4584 | CHIP RES.     | 56    | 1/16W | 5%   | RMC1/16 560JATP   | J24185560 |       | 1-  | B    | j2      |
| R 4586 | CHIP RES.     | 2.7k  | 1/16W | 5%   | RMC1/16 272JATP   | J24185272 |       | 1-  | B    | j3      |
| R 4586 | CHIP RES.     | 2.4k  | 1/16W | 0.5% | RGC1/16C242DTP    | J24189414 |       | 14- | B    | j3      |
| R 4587 | CHIP RES.     | 56    | 1/16W | 5%   | RMC1/16 560JATP   | J24185560 |       | 1-  | B    | j3      |
| R 4589 | CHIP RES.     | 2.2k  | 1/16W | 5%   | RMC1/16 222JATP   | J24185222 |       | 1-  | B    | j3      |
| R 4590 | CHIP RES.     | 0     | 1W    | 5%   | RMC1 JPATE        | J24305000 |       | 1-  | A    | A2      |
| R 4591 | CHIP RES.     | 0     | 1W    | 5%   | RMC1 JPATE        | J24305000 |       | 1-  | A    | A3      |
| R 4592 | CHIP RES.     | 5.6k  | 1/16W | 5%   | RMC1/16 562JATP   | J24185562 |       | 1-  | B    | j3      |
| R 4593 | CHIP RES.     | 8.2k  | 1/16W | 5%   | RMC1/16 822JATP   | J24185822 |       | 1-  | B    | j3      |
| R 4594 | CHIP RES.     | 220   | 1W    | 5%   | RMC1 221JTE       | J24305221 |       | 1-  | B    | i2      |
| R 4595 | CHIP RES.     | 220   | 1W    | 5%   | RMC1 221JTE       | J24305221 |       | 1-  | B    | i3      |
| R 4598 | CHIP RES.     | 470   | 1W    | 5%   | RMC1 471JTE       | J24305471 |       | 1-  | B    | i2      |
| R 4599 | CHIP RES.     | 470   | 1W    | 5%   | RMC1 471JTE       | J24305471 |       | 1-  | B    | i3      |
| R 4601 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16 330JATP   | J24185330 |       | 1-  | A    | F1      |
| R 4603 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16 330JATP   | J24185330 |       | 1-  | A    | F2      |
| R 4604 | CHIP RES.     | 0     | 1/10W | 5%   | RMC1/10T 000J     | J24205000 |       | 1-  | B    | j1      |
| R 4605 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16 330JATP   | J24185330 |       | 1-  | A    | G3      |
| R 4608 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | F1      |
| R 4609 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1-  | A    | F1      |
| R 4610 | CHIP RES.     | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP   | J24185472 |       | 1-  | B    | c3      |
| R 4611 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP   | J24185101 |       | 1-  | A    | G2      |
| R 4612 | CHIP RES.     | 4.7k  | 1/16W | 5%   | RMC1/16 472JATP   | J24185472 |       | 1-  | B    | d2      |
| R 4613 | CHIP RES.     | 47    | 1/16W | 1%   | RMC1/16 470FTP    | J24183470 |       | 1-  | A    | H1      |
| R 4616 | CHIP RES.     | 47k   | 1/16W | 5%   | RMC1/16 473JATP   | J24185473 |       | 1-  | B    | c2      |
| R 4618 | CHIP RES.     | 0     | 1/16W | 5%   | RMC1/16 000JATP   | J24185000 |       | 1-  | A    | F1      |
| R 4619 | CHIP RES.     | 680   | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | A    | F1      |
| R 4619 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 8-  | A    | F1      |
| R 4620 | CHIP RES.     | 680   | 1/16W | 5%   | RMC1/16 681JATP   | J24185681 |       | 1-  | A    | F1      |
| R 4620 | CHIP RES.     | 330   | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 8-  | A    | F1      |
| RL4501 | RELAY         |       | DC12V |      | AGP2013F DC12V    | M1190198  |       | 1-  | A    | F2      |
| RL4503 | RELAY         |       | DC12V |      | G6E-134P-US DC12V | M1190068  |       | 1-  | A    | F2      |
| RL4504 | RELAY         |       | DC12V |      | G6E-134P-US DC12V | M1190068  |       | 1-  | A    | F3      |
| T 4501 | COIL PWR-WIDE |       |       |      | 3A6 RIB8X14X6.5   | L0022641A |       | 1-  | A    | A3      |
| T 4502 | COIL PWR-WIDE |       |       |      | AH047M            | L0023145  |       | 1-  | A    | A2      |
| T 4503 | COIL PWR-WIDE |       |       |      | A0898             | L0022552  |       | 1-  | A    | A1      |
| TC4501 | TRIMMER CAP.  | 20pF  |       |      | TZC3P200A110R00   | K91000283 |       | 1-  | A    | B2      |
| TH4501 | THERMISTOR    |       |       |      | ERTJ0ER103J       | G9090119  |       | 1-  | A    | A2      |
| TH4502 | THERMISTOR    |       |       |      | ERTJ0ER103J       | G9090119  |       | 1-  | A    | A2      |
| TH4505 | THERMISTOR    |       |       |      | ERTJ0ER103J       | G9090119  |       | 1-  | B    | j2      |
| TH4506 | THERMISTOR    |       |       |      | ERTJ0ER103J       | G9090119  |       | 1-  | B    | j3      |
| VR4501 | POT.          | 2.2k  |       |      | EVM3V SX50BE3     | J51843222 |       | 1-  | A    | A2      |
| VR4502 | POT.          | 2.2k  |       |      | EVM3V SX50BE3     | J51843222 |       | 1-  | A    | A3      |
| VR4503 | POT.          | 3.3k  |       |      | EVM3V SX50BY3     | J51843332 |       | 1-  | A    | D2      |
| VR4505 | POT.          | 4.7k  |       |      | EVM3V SX50BQ3     | J51843472 |       | 1-  | A    | A2      |
| VR4506 | POT.          | 4.7k  |       |      | EVM3V SX50BQ3     | J51843472 |       | 1-  | A    | A3      |
| VR4507 | POT.          | 220   |       |      | EVM3V SX50BE2     | J51843221 |       | 1-  | A    | G2      |

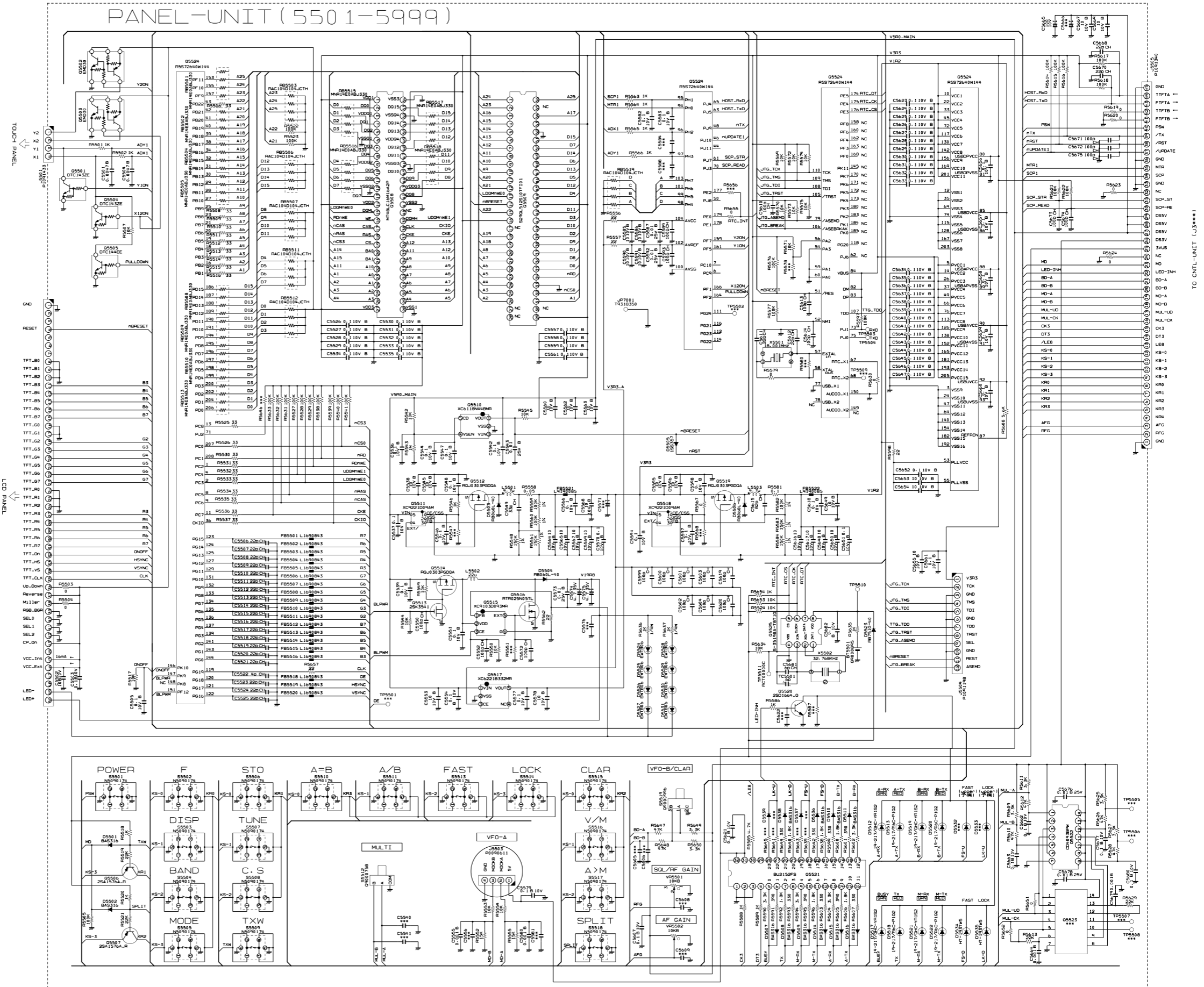




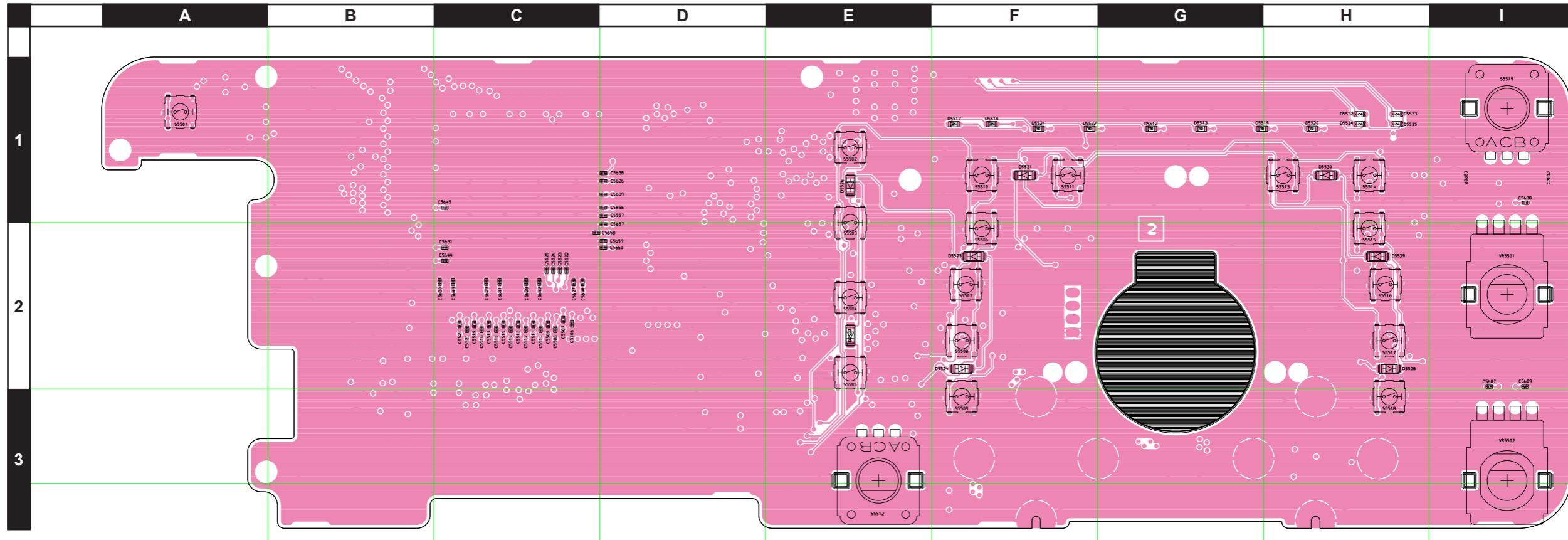


# PANEL Unit (Lot. 2 -)

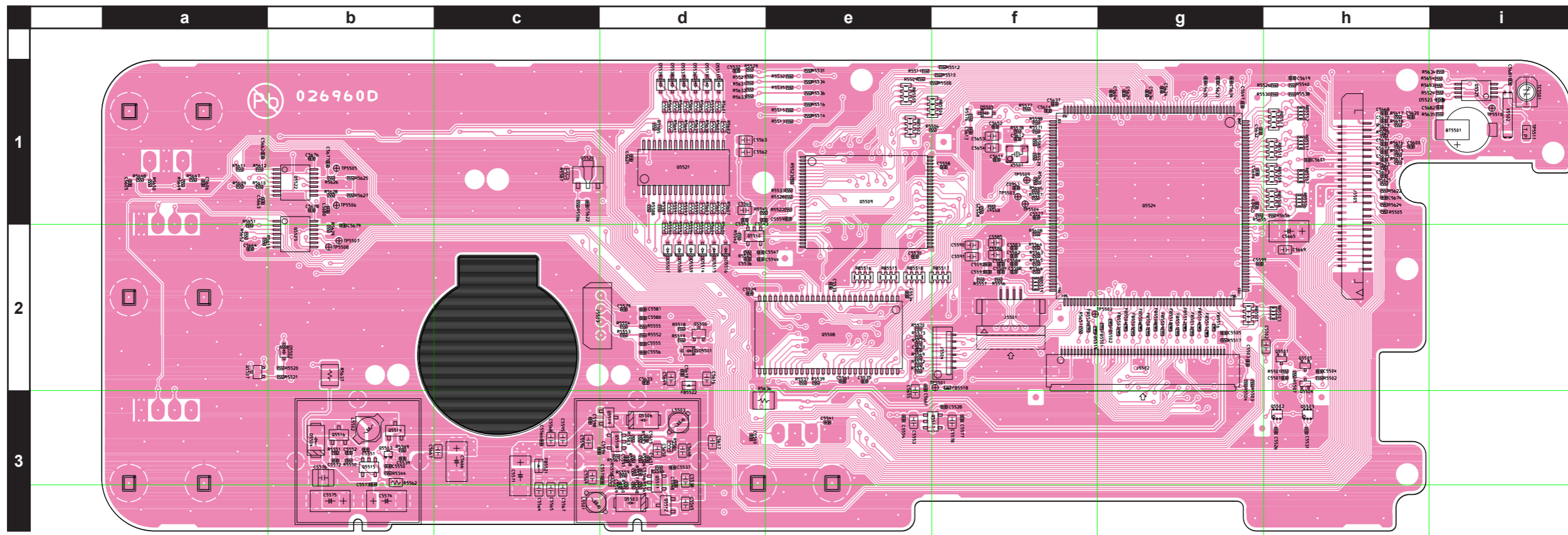
## Circuit Diagram



**PANEL Unit (Lot. 2 - )**  
Parts Layout



side A



side B

# PANEL Unit

## Parts List

| REF    | DESCRIPTION         | VALUE    | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------------|----------|-----|------|--------------------|-----------|-------|-----|------|---------|
|        | PCB with Components |          |     |      |                    | CS2348601 |       |     |      |         |
| BT5501 | LITHIUM BATT.       |          |     |      | ML614R-TT31        | Q9000895  |       | 1-  | B    | i1      |
| C 5501 | CHIP CAP.           | 0.0047uF | 50V | B    | GRM155B11H472KA01D | K22178838 |       | 1-  | B    | h2      |
| C 5502 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | h2      |
| C 5503 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g2      |
| C 5504 | CHIP CAP.           | 0.0047uF | 50V | B    | GRM155B11H472KA01D | K22178838 |       | 1-  | B    | h2      |
| C 5505 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g2      |
| C 5506 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5507 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5508 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5509 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5510 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5511 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5512 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5513 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5514 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5515 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5516 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5517 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5518 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5519 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5520 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5521 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5522 | CHIP CAP.           | 4pF      | 50V | CH   | GRM1552C1H4R0CA01D | K22178206 |       | 1-  | A    | C2      |
| C 5523 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5524 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5525 | CHIP CAP.           | 22pF     | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | A    | C2      |
| C 5526 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | h3      |
| C 5527 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f1      |
| C 5528 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f3      |
| C 5529 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5530 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e2      |
| C 5531 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | h3      |
| C 5532 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d1      |
| C 5533 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e2      |
| C 5534 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e2      |
| C 5535 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e2      |
| C 5536 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5537 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d3      |
| C 5538 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d3      |
| C 5539 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | b3      |
| C 5542 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d1      |
| C 5543 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | B    | d1      |
| C 5544 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5545 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d3      |
| C 5546 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d3      |
| C 5547 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5548 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d3      |
| C 5549 | CHIP CAP.           | 33pF     | 50V | CH   | GRM1552C1H330JA01D | K22178224 |       | 1-  | B    | d3      |
| C 5550 | CHIP CAP.           | 100pF    | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | b3      |
| C 5551 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | b3      |
| C 5552 | CHIP CAP.           | 100pF    | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | b3      |
| C 5553 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | e3      |
| C 5554 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e3      |
| C 5555 | CHIP CAP.           | 0.001uF  | 50V | B    | GRM155B11H102KA01D | K22178809 |       | 1-  | B    | d2      |
| C 5557 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D1      |
| C 5558 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f1      |
| C 5559 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e1      |
| C 5560 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d1      |
| C 5561 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e2      |
| C 5562 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d1      |
| C 5563 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d1      |
| C 5564 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5565 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5566 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | c3      |
| C 5567 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5568 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5569 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5570 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d3      |
| C 5572 | CHIP CAP.           | 100pF    | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | b3      |
| C 5573 | CHIP CAP.           | 0.01uF   | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | B    | b3      |
| C 5574 | CHIP TA.CAP.        | 4.7uF    | 35V |      | TMCMC1V475MTRF     | K78160036 |       | 1-  | B    | b3      |
| C 5575 | CHIP TA.CAP.        | 4.7uF    | 35V |      | TMCMC1V475MTRF     | K78160036 |       | 1-  | B    | b3      |
| C 5577 | CHIP CAP.           | 0.1uF    | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f3      |
| C 5578 | CHIP CAP.           | 10uF     | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f3      |



# PANEL Unit

## Parts List

| REF    | DESCRIPTION | VALUE   | V/W | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|---------|-----|------|--------------------|-----------|-------|-----|------|---------|
| C 5579 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5580 | CHIP CAP.   | 0.001uF | 50V | B    | GRM155B11H102KA01D | K22178809 |       | 1-  | B    | d2      |
| C 5582 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f2      |
| C 5583 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f2      |
| C 5585 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f2      |
| C 5586 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f2      |
| C 5587 | CHIP CAP.   | 0.01uF  | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | B    | f2      |
| C 5589 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | f2      |
| C 5590 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f2      |
| C 5591 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f2      |
| C 5592 | CHIP CAP.   | 0.01uF  | 25V | B    | GRM155B11E103KA01D | K22148834 |       | 1-  | B    | f2      |
| C 5593 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | f2      |
| C 5594 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | c3      |
| C 5595 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5596 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | c3      |
| C 5597 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d3      |
| C 5598 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | c3      |
| C 5599 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | g2      |
| C 5600 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | h1      |
| C 5601 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | h1      |
| C 5602 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | f1      |
| C 5603 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | g1      |
| C 5604 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | g1      |
| C 5607 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | l2      |
| C 5610 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | e2      |
| C 5611 | CHIP CAP.   | 22pF    | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | B    | f1      |
| C 5612 | CHIP CAP.   | 22pF    | 50V | CH   | GRM1552C1H220JA01D | K22178220 |       | 1-  | B    | f1      |
| C 5613 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | f1      |
| C 5614 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | f1      |
| C 5615 | CHIP CAP.   | 82pF    | 50V | CH   | GRM1552C1H820JA01D | K22178234 |       | 1-  | B    | d3      |
| C 5616 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d2      |
| C 5617 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d3      |
| C 5618 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5619 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | h1      |
| C 5620 | CHIP CAP.   | 100pF   | 50V | CH   | GRM1552C1H101JA01D | K22178236 |       | 1-  | B    | h1      |
| C 5621 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d1      |
| C 5623 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5624 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5625 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5626 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D1      |
| C 5627 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5628 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5629 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5630 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5631 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5632 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5633 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d2      |
| C 5634 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5635 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5636 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5637 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f1      |
| C 5638 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D1      |
| C 5639 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D1      |
| C 5640 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5641 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5642 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5643 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5644 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5645 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C1      |
| C 5646 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5647 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | g1      |
| C 5648 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d3      |
| C 5649 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d2      |
| C 5650 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | d3      |
| C 5651 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | d3      |
| C 5652 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | f1      |
| C 5653 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f1      |
| C 5654 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | f1      |
| C 5655 | CHIP CAP.   | 10uF    | 10V | B    | GRM21BB31A106KE18L | K22100808 |       | 1-  | B    | e2      |
| C 5656 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D1      |
| C 5657 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D2      |
| C 5658 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | C2      |
| C 5659 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D2      |
| C 5660 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | A    | D2      |
| C 5661 | CHIP CAP.   | 0.1uF   | 10V | B    | GRM155B11A104KA01D | K22108802 |       | 1-  | B    | e2      |

# PANEL Unit

## Parts List

| REF    | DESCRIPTION   | VALUE   | V/W   | TOL. | MFR'S DESIG         | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|---------|-------|------|---------------------|-----------|-------|-----|------|---------|
| C 5662 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D  | K22108802 |       | 1-  | B    | a1      |
| C 5663 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D  | K22108802 |       | 1-  | B    | a1      |
| C 5664 | CHIP CAP.     | 0.001uF | 50V   | B    | GRM155B11H102KA01D  | K22178809 |       | 1-  | B    | a2      |
| C 5665 | CHIP TA.CAP.  | 100uF   | 10V   |      | TMCMC1A107MTRF      | K78100075 |       | 1-  | B    | h2      |
| C 5667 | CHIP CAP.     | 10uF    | 10V   | B    | GRM21BB31A106KE18L  | K22100808 |       | 1-  | B    | c3      |
| C 5668 | CHIP CAP.     | 22pF    | 50V   | CH   | GRM1552C1H220JA01D  | K22178220 |       | 1-  | B    | h1      |
| C 5669 | CHIP CAP.     | 10uF    | 10V   | B    | GRM21BB31A106KE18L  | K22100808 |       | 1-  | B    | h2      |
| C 5670 | CHIP CAP.     | 22pF    | 50V   | CH   | GRM1552C1H220JA01D  | K22178220 |       | 1-  | B    | h1      |
| C 5671 | CHIP CAP.     | 100pF   | 50V   | CH   | GRM1552C1H101JA01D  | K22178236 |       | 1-  | B    | h1      |
| C 5672 | CHIP CAP.     | 100pF   | 50V   | CH   | GRM1552C1H101JA01D  | K22178236 |       | 1-  | B    | h1      |
| C 5673 | CHIP CAP.     | 100pF   | 50V   | CH   | GRM1552C1H101JA01D  | K22178236 |       | 1-  | B    | h1      |
| C 5674 | CHIP CAP.     | 100pF   | 50V   | CH   | GRM1552C1H101JA01D  | K22178236 |       | 1-  | B    | h1      |
| C 5675 | CHIP CAP.     | 100pF   | 50V   | CH   | GRM1552C1H101JA01D  | K22178236 |       | 1-  | B    | h1      |
| C 5676 | CHIP CAP.     | 0.01uF  | 25V   | B    | GRM155B11E103KA01D  | K22148834 |       | 1-  | B    | b1      |
| C 5677 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D  | K22108802 |       | 1-  | B    | b1      |
| C 5678 | CHIP CAP.     | 0.01uF  | 25V   | B    | GRM155B11E103KA01D  | K22148834 |       | 1-  | B    | b1      |
| C 5679 | CHIP CAP.     | 0.001uF | 50V   | B    | GRM155B11H102KA01D  | K22178809 |       | 1-  | B    | b1      |
| C 5680 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D  | K22108802 |       | 1-  | B    | b1      |
| C 5681 | CHIP CAP.     | 6pF     | 50V   | CH   | GRM1552C1H6R0DA01D  | K22178208 |       | 1-  | B    | i1      |
| C 5682 | CHIP CAP.     | 0.1uF   | 10V   | B    | GRM155B11A104KA01D  | K22108802 |       | 1-  | B    | i1      |
| D 5501 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5502 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | b2      |
| D 5503 | DIODE         |         |       |      | RB060L-40 TE25      | G2070744  |       | 1-  | B    | d3      |
| D 5504 | DIODE         |         |       |      | RB060L-40 TE25      | G2070744  |       | 1-  | B    | b3      |
| D 5505 | DIODE         |         |       |      | 1SS357(TPH3.F)      | G2070346  |       | 1-  | B    | f1      |
| D 5506 | DIODE         |         |       |      | RB060L-40 TE25      | G2070744  |       | 1-  | B    | d3      |
| D 5507 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5508 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5509 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5510 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d1      |
| D 5511 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d1      |
| D 5512 | LED           |         |       |      | 19-217/GHC-YR1S2/3T | G2071438  |       | 1-  | A    | G1      |
| D 5513 | LED           |         |       |      | 19-217/R6C-P1Q2/3T  | G2071440  |       | 1-  | A    | G1      |
| D 5514 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5515 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5516 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d2      |
| D 5517 | LED           |         |       |      | 19-217/GHC-YR1S2/3T | G2071438  |       | 1-  | A    | F1      |
| D 5518 | LED           |         |       |      | 19-217/R6C-P1Q2/3T  | G2071440  |       | 1-  | A    | F1      |
| D 5519 | LED           |         |       |      | 19-217/GHC-YR1S2/3T | G2071438  |       | 1-  | A    | G1      |
| D 5520 | LED           |         |       |      | 19-217/R6C-P1Q2/3T  | G2071440  |       | 1-  | A    | H1      |
| D 5521 | LED           |         |       |      | 19-217/GHC-YR1S2/3T | G2071438  |       | 1-  | A    | F1      |
| D 5522 | LED           |         |       |      | 19-217/R6C-P1Q2/3T  | G2071440  |       | 1-  | A    | F1      |
| D 5523 | DIODE         |         |       |      | RB751G-40T2R        | G2071066  |       | 1-  | B    | i1      |
| D 5524 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | F2      |
| D 5525 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | F2      |
| D 5526 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | E1      |
| D 5527 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | E2      |
| D 5528 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | H2      |
| D 5529 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | H2      |
| D 5530 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | H1      |
| D 5531 | LED           |         |       |      | EWT806              | G2071404  |       | 1-  | A    | F1      |
| D 5534 | LED           |         |       |      | HT-193TW5           | G2071390  |       | 1-  | A    | H1      |
| D 5535 | LED           |         |       |      | HT-193TW5           | G2071390  |       | 1-  | A    | H1      |
| D 5536 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d1      |
| D 5538 | DIODE         |         |       |      | BAS316              | G2070716  |       | 1-  | B    | d1      |
| FB5501 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5502 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5503 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5504 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5505 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5506 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5507 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5508 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5509 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5510 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5511 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5512 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5513 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5514 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5515 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5516 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | g2      |
| FB5517 | CHIP RES.     | 22      | 1/16W | 5%   | RMC1/16S 220JTH     | J24189005 |       | 1   |      |         |
| FB5518 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | f2      |
| FB5519 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | f2      |
| FB5520 | FERRITE BEADS |         |       |      | BLM15AG121SN1D      | L1690843  |       | 1-  | B    | f2      |

# PANEL Unit

## Parts List

| REF    | DESCRIPTION   | VALUE | V/W   | TOL. | MFR'S DESIG            | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|-------|-------|------|------------------------|-----------|-------|-----|------|---------|
| FB5521 | FERRITE BEADS |       |       |      | BK2125HS601-T          | L9190085  |       | 1-  | B    | c3      |
| FB5522 | FERRITE BEADS |       |       |      | BK2125HS601-T          | L9190085  |       | 1-  | B    | d2      |
| J 5501 | CONNECTOR     |       |       |      | 9617S-04               | P1091433  |       | 1-  | B    | f2      |
| J 5502 | CONNECTOR     |       |       |      | 9637S-50A              | P1091434  |       | 1-  | B    | g2      |
| J 5503 | CONNECTOR     |       |       |      | SB20-04WS              | P0090611  |       | 1-  | B    | d2      |
| J 5504 | CONNECTOR     |       |       |      | 12FLT-SM2-TB(LF)(SN)   | P1091198  |       | 1-  | B    | f2      |
| J 5505 | CONNECTOR     |       |       |      | IMSA-9639S-45          | P1091340  |       | 1-  | B    | h1      |
| JP5501 | WIRE ASSY     |       |       |      | GRN 20 (2)/(2)         | T57502002 |       | 1   |      |         |
| JP5502 | WIRE ASSY     |       |       |      | GRN 20 (2)/(2)         | T57502002 |       | 1   |      |         |
| L 5501 | M.RFC         | 4.7uH |       |      | 7E03LA-4R7N-RB         | L1691583  |       | 1-  | B    | c3      |
| L 5502 | CHIP COIL     | 22uH  |       | 20%  | CDRH3D23HPNP-220MC     | L1691733  |       | 1-  | B    | b3      |
| L 5503 | M.RFC         | 4.7uH |       |      | 7E03LA-4R7N-RB         | L1691583  |       | 1-  | B    | d3      |
| Q 5501 | TRANSISTOR    |       |       |      | DTC143ZE TL            | G3070102  |       | 1-  | B    | h2      |
| Q 5502 | TRANSISTOR    |       |       |      | EMD30(T2R)             | G3070427  |       | 1-  | B    | h3      |
| Q 5503 | TRANSISTOR    |       |       |      | EMD30(T2R)             | G3070427  |       | 1-  | B    | h3      |
| Q 5504 | TRANSISTOR    |       |       |      | DTC143ZE TL            | G3070102  |       | 1-  | B    | h2      |
| Q 5505 | TRANSISTOR    |       |       |      | DTC144EE TL            | G3070075  |       | 1-  | B    | h2      |
| Q 5506 | TRANSISTOR    |       |       |      | 2SA1576A T106 R        | G3115768R |       | 1-  | B    | d2      |
| Q 5507 | TRANSISTOR    |       |       |      | 2SA1576A T106 R        | G3115768R |       | 1-  | B    | a2      |
| Q 5508 | IC            |       |       |      | MT48LC16M16A2P-6A IT:G | G1095060  |       | 1-  | B    | e2      |
| Q 5509 | IC            |       |       |      | S29GL512S10TFI010      | G1094991  |       | 1-  | B    | e1      |
| Q 5510 | IC            |       |       |      | XC6118N44BMR-G         | G1094972  |       | 1-  | B    | d2      |
| Q 5511 | IC            |       |       |      | XC9221D09AMR           | G1094819  |       | 1-  | B    | d3      |
| Q 5512 | FET           |       |       |      | RQJ0303PGDQA           | G3070449  |       | 1-  | B    | d3      |
| Q 5513 | FET           |       |       |      | 2SK3541 T2L            | G3835417  |       | 1-  | B    | b3      |
| Q 5514 | FET           |       |       |      | RQJ0303PGDQA           | G3070449  |       | 1-  | B    | b3      |
| Q 5515 | IC            |       |       |      | XC9103D093MR-G         | G1094967  |       | 1-  | B    | b3      |
| Q 5516 | FET           |       |       |      | RTR025N05TL            | G3070436  |       | 1-  | B    | b3      |
| Q 5517 | IC            |       |       |      | XC6221B332MR-G         | G1094968  |       | 1-  | B    | f3      |
| Q 5518 | IC            |       |       |      | XC9221D09AMR           | G1094819  |       | 1-  | B    | d3      |
| Q 5519 | FET           |       |       |      | RQJ0303PGDQA           | G3070449  |       | 1-  | B    | d3      |
| Q 5520 | TRANSISTOR    |       |       |      | 2SD1664 T100 Q         | G3416647Q |       | 1-  | B    | c1      |
| Q 5521 | IC            |       |       |      | BU2152FS(TAPE)         | G1093942  |       | 1-  | B    | d1      |
| Q 5522 | IC            |       |       |      | CD4093BPWR             | G1094093  |       | 1-  | B    | b1      |
| Q 5524 | IC            |       |       |      | R5S72640W144FPU        | G1094961  |       | 1-  | B    | g1      |
| Q 5525 | IC            |       |       |      | S-35190A-T8T1G         | G1094356  |       | 1-  | B    | i1      |
| R 5501 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16S 102JTH        | J24189025 |       | 1-  | B    | h2      |
| R 5502 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16S 102JTH        | J24189025 |       | 1-  | B    | h2      |
| R 5503 | CHIP RES.     | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | B    | g2      |
| R 5504 | CHIP RES.     | 0     | 1/16W | 5%   | RMC1/16S JPTH          | J24189070 |       | 1-  | B    | g2      |
| R 5505 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | h1      |
| R 5506 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | f1      |
| R 5507 | CHIP RES.     | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | h2      |
| R 5508 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | f1      |
| R 5509 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5510 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | f1      |
| R 5511 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5512 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | f1      |
| R 5513 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5514 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5515 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5516 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5517 | CHIP RES.     | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | g2      |
| R 5518 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16S 102JTH        | J24189025 |       | 1-  | B    | d2      |
| R 5519 | CHIP RES.     | 22k   | 1/16W | 5%   | RMC1/16S 223JTH        | J24189041 |       | 1-  | B    | d2      |
| R 5520 | CHIP RES.     | 1k    | 1/16W | 5%   | RMC1/16S 102JTH        | J24189025 |       | 1-  | B    | b2      |
| R 5521 | CHIP RES.     | 22k   | 1/16W | 5%   | RMC1/16S 223JTH        | J24189041 |       | 1-  | B    | b2      |
| R 5522 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | e1      |
| R 5523 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | e1      |
| R 5524 | CHIP RES.     | 10k   | 1/16W | 5%   | RMC1/16S 103JTH        | J24189037 |       | 1-  | B    | i1      |
| R 5525 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | f1      |
| R 5526 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | h1      |
| R 5527 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | d1      |
| R 5528 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | e1      |
| R 5529 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | d1      |
| R 5530 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | h1      |
| R 5531 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5532 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5533 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5534 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5535 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5536 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e1      |
| R 5537 | CHIP RES.     | 33    | 1/16W | 5%   | RMC1/16S 330JTH        | J24189007 |       | 1-  | B    | e2      |
| R 5538 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | h1      |
| R 5539 | CHIP RES.     | 100k  | 1/16W | 5%   | RMC1/16S 104JTH        | J24189049 |       | 1-  | B    | e2      |



# PANEL Unit

## Parts List

| REF    | DESCRIPTION | VALUE | V/W   | TOL. | MFR'S DESIG     | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 5540 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | h1      |
| R 5541 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | f1      |
| R 5542 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | d2      |
| R 5543 | CHIP RES.   | 1M    | 1/16W | 5%   | RMC1/16S 105JTH | J24189061 |       | 1-  | B    | d2      |
| R 5544 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | b3      |
| R 5545 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | d1      |
| R 5546 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | d3      |
| R 5548 | CHIP RES.   | 150k  | 1/16W | 1%   | RMC1/16SK154FTH | J24189531 |       | 1-  | B    | d3      |
| R 5549 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | b3      |
| R 5550 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | b3      |
| R 5552 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16S 153JTH | J24189039 |       | 1-  | B    | d2      |
| R 5553 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | d2      |
| R 5554 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | d2      |
| R 5555 | CHIP RES.   | 15k   | 1/16W | 5%   | RMC1/16S 153JTH | J24189039 |       | 1-  | B    | d2      |
| R 5556 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16S 220JTH | J24189005 |       | 1-  | B    | f2      |
| R 5557 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16S 220JTH | J24189005 |       | 1-  | B    | f2      |
| R 5558 | CHIP RES.   | 0.05  | 1/4W  | 5%   | RCC16R050JTP    | J24249005 |       | 1-  | B    | d3      |
| R 5559 | CHIP RES.   | 100k  | 1/16W | 1%   | RMC1/16SK104FTH | J24189529 |       | 1-  | B    | d3      |
| R 5560 | CHIP RES.   | 100k  | 1/16W | 1%   | RMC1/16SK104FTH | J24189529 |       | 1-  | B    | d3      |
| R 5561 | CHIP RES.   | 150k  | 1/16W | 1%   | RMC1/16SK154FTH | J24189531 |       | 1-  | B    | d3      |
| R 5562 | CHIP RES.   | 22    | 1/10W | 5%   | RMC1/10T 220J   | J24205220 |       | 1-  | B    | b3      |
| R 5563 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | f2      |
| R 5564 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | f2      |
| R 5565 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | f2      |
| R 5566 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | f2      |
| R 5567 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | B    | d3      |
| R 5569 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | e2      |
| R 5570 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | e2      |
| R 5571 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | f1      |
| R 5572 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | e2      |
| R 5573 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | e2      |
| R 5574 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | e2      |
| R 5575 | CHIP RES.   | 10k   | 1/16W | 5%   | RMC1/16S 103JTH | J24189037 |       | 1-  | B    | e2      |
| R 5576 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | f1      |
| R 5577 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | f1      |
| R 5579 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | B    | f1      |
| R 5581 | CHIP RES.   | 0.1   | 1/4W  | 5%   | RCC16R100JTP    | J24249006 |       | 1-  | B    | d3      |
| R 5582 | CHIP RES.   | 100k  | 1/16W | 1%   | RMC1/16SK104FTH | J24189529 |       | 1-  | B    | d3      |
| R 5583 | CHIP RES.   | 150k  | 1/16W | 1%   | RMC1/16SK154FTH | J24189531 |       | 1-  | B    | d3      |
| R 5584 | CHIP RES.   | 150k  | 1/16W | 1%   | RMC1/16SK154FTH | J24189531 |       | 1-  | B    | d3      |
| R 5585 | CHIP RES.   | 4.7k  | 1/16W | 5%   | RMC1/16S 472JTH | J24189033 |       | 1-  | B    | d1      |
| R 5586 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | c1      |
| R 5588 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | d1      |
| R 5589 | CHIP RES.   | 1k    | 1/16W | 5%   | RMC1/16S 102JTH | J24189025 |       | 1-  | B    | d1      |
| R 5590 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | d2      |
| R 5591 | CHIP RES.   | 390   | 1/16W | 5%   | RMC1/16 391JATP | J24185391 |       | 1-  | B    | d1      |
| R 5592 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | B    | d2      |
| R 5593 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | B    | d1      |
| R 5594 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | d2      |
| R 5595 | CHIP RES.   | 390   | 1/16W | 5%   | RMC1/16 391JATP | J24185391 |       | 1-  | B    | d1      |
| R 5596 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | B    | d2      |
| R 5597 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | f1      |
| R 5598 | CHIP RES.   | 22    | 1/16W | 5%   | RMC1/16S 220JTH | J24189005 |       | 1-  | B    | f1      |
| R 5599 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 391JATP | J24185331 |       | 1-  | B    | d1      |
| R 5600 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | B    | d1      |
| R 5601 | CHIP RES.   | 390   | 1/16W | 5%   | RMC1/16 391JATP | J24185391 |       | 1-  | B    | d1      |
| R 5602 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | d1      |
| R 5603 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | B    | d1      |
| R 5604 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16 332JATP | J24185332 |       | 1-  | B    | d2      |
| R 5605 | CHIP RES.   | 390   | 1/16W | 5%   | RMC1/16 391JATP | J24185391 |       | 1-  | B    | d1      |
| R 5606 | CHIP RES.   | 1.8k  | 1/16W | 5%   | RMC1/16 182JATP | J24185182 |       | 1-  | B    | d2      |
| R 5607 | CHIP RES.   | 330   | 1/16W | 5%   | RMC1/16 331JATP | J24185331 |       | 1-  | B    | d1      |
| R 5608 | CHIP RES.   | 5.6k  | 1/16W | 5%   | RMC1/16S 562JTH | J24189034 |       | 1-  | B    | f2      |
| R 5609 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16S 332JTH | J24189031 |       | 1-  | B    | a1      |
| R 5610 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | B    | a1      |
| R 5611 | CHIP RES.   | 3.3k  | 1/16W | 5%   | RMC1/16S 332JTH | J24189031 |       | 1-  | B    | a1      |
| R 5612 | CHIP RES.   | 47k   | 1/16W | 5%   | RMC1/16S 473JTH | J24189045 |       | 1-  | B    | a1      |
| R 5613 | CHIP RES.   | 22k   | 1/16W | 5%   | RMC1/16S 223JTH | J24189041 |       | 1-  | B    | a2      |
| R 5614 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | h1      |
| R 5615 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | h1      |
| R 5616 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | h1      |
| R 5617 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | h1      |
| R 5618 | CHIP RES.   | 100k  | 1/16W | 5%   | RMC1/16S 104JTH | J24189049 |       | 1-  | B    | h1      |
| R 5619 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | B    | h1      |
| R 5620 | CHIP RES.   | 0     | 1/16W | 5%   | RMC1/16S JPTH   | J24189070 |       | 1-  | B    | h1      |

# PANEL Unit

## Parts List

| REF    | DESCRIPTION      | VALUE    | V/W   | TOL. | MFR'S DESIG       | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|------------------|----------|-------|------|-------------------|-----------|-------|-----|------|---------|
| R 5621 | CHIP RES.        | 100k     | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 1-  | B    | h1      |
| R 5622 | CHIP RES.        | 100k     | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 1-  | B    | h1      |
| R 5623 | CHIP RES.        | 0        | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | B    | h1      |
| R 5624 | CHIP RES.        | 0        | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | B    | h1      |
| R 5625 | CHIP RES.        | 3.3k     | 1/16W | 5%   | RMC1/16S 332JTH   | J24189031 |       | 1-  | B    | b1      |
| R 5626 | CHIP RES.        | 47k      | 1/16W | 5%   | RMC1/16S 473JTH   | J24189045 |       | 1-  | B    | b1      |
| R 5627 | CHIP RES.        | 3.3k     | 1/16W | 5%   | RMC1/16S 332JTH   | J24189031 |       | 1-  | B    | b1      |
| R 5628 | CHIP RES.        | 47k      | 1/16W | 5%   | RMC1/16S 473JTH   | J24189045 |       | 1-  | B    | b1      |
| R 5629 | CHIP RES.        | 22k      | 1/16W | 5%   | RMC1/16S 223JTH   | J24189041 |       | 1-  | B    | b2      |
| R 5630 | CHIP RES.        | 0        | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | B    | f1      |
| R 5631 | CHIP RES.        | 100k     | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 1-  | B    | d1      |
| R 5632 | CHIP RES.        | 100k     | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 1-  | B    | d1      |
| R 5633 | CHIP RES.        | 100k     | 1/16W | 5%   | RMC1/16S 104JTH   | J24189049 |       | 1-  | B    | d1      |
| R 5634 | CHIP RES.        | 10k      | 1/16W | 5%   | RMC1/16S 103JTH   | J24189037 |       | 1-  | B    | i1      |
| R 5635 | CHIP RES.        | 1k       | 1/16W | 5%   | RMC1/16S 102JTH   | J24189025 |       | 1-  | B    | i1      |
| R 5636 | CHIP RES.        | 1k       | 1/4W  | 5%   | RMC1/4 102JATP    | J24245102 |       | 1-  | B    | d3      |
| R 5637 | CHIP RES.        | 1k       | 1/4W  | 5%   | RMC1/4 102JATP    | J24245102 |       | 1-  | B    | b2      |
| R 5638 | CHIP RES.        | 1.8k     | 1/16W | 5%   | RMC1/16 182JATP   | J24185182 |       | 1-  | B    | d1      |
| R 5640 | CHIP RES.        | 1.8k     | 1/16W | 5%   | RMC1/16 182JATP   | J24185182 |       | 1-  | B    | d1      |
| R 5642 | CHIP RES.        | 330      | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 1-  | B    | d1      |
| R 5644 | CHIP RES.        | 330      | 1/16W | 5%   | RMC1/16 331JATP   | J24185331 |       | 1-  | B    | d1      |
| R 5647 | CHIP RES.        | 47k      | 1/16W | 5%   | RMC1/16S 473JTH   | J24189045 |       | 1-  | B    | a1      |
| R 5648 | CHIP RES.        | 47k      | 1/16W | 5%   | RMC1/16S 473JTH   | J24189045 |       | 1-  | B    | a1      |
| R 5649 | CHIP RES.        | 3.3k     | 1/16W | 5%   | RMC1/16S 332JTH   | J24189031 |       | 1-  | B    | a1      |
| R 5650 | CHIP RES.        | 3.3k     | 1/16W | 5%   | RMC1/16S 332JTH   | J24189031 |       | 1-  | B    | a1      |
| R 5651 | CHIP RES.        | 0        | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | B    | a1      |
| R 5652 | CHIP RES.        | 0        | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 1-  | B    | a2      |
| R 5653 | CARBON FILM RES. | 10k      | 1/6W  | 5%   | RD16PJ103 10K     | J01225103 |       | 1   | B    | i1      |
| R 5653 | CHIP RES.        | 10k      | 1/16W | 5%   | RMC1/16S 103JTH   | J24189037 |       | 2-  | B    | i1      |
| R 5654 | CHIP RES.        | 1k       | 1/16W | 5%   | RMC1/16 102JATP   | J24185102 |       | 1   | B    | i1      |
| R 5654 | CHIP RES.        | 1k       | 1/16W | 5%   | RMC1/16S 102JTH   | J24189025 |       | 2-  | B    | i1      |
| R 5655 | CHIP RES.        | 0        | 1/16W | 5%   | RMC1/16S JPTH     | J24189070 |       | 2-  | B    | g1      |
| R 5657 | CHIP RES.        | 22       | 1/16W | 5%   | RMC1/16S 220JTH   | J24189005 |       | 2-  | B    | f2      |
| RB5501 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | g2      |
| RB5502 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | e1      |
| RB5503 | BLOCK RES.       |          |       |      | RAC104D104JCTH    | J42900055 |       | 1-  | B    | h2      |
| RB5504 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | f1      |
| RB5505 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | e1      |
| RB5506 | BLOCK RES.       |          |       |      | RAC104D104JCTH    | J42900055 |       | 1-  | B    | h1      |
| RB5507 | BLOCK RES.       |          |       |      | RAC104D104JCTH    | J42900055 |       | 1-  | B    | h1      |
| RB5508 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | h1      |
| RB5509 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | h1      |
| RB5510 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | h1      |
| RB5511 | BLOCK RES.       |          |       |      | RAC104D104JCTH    | J42900055 |       | 1-  | B    | h1      |
| RB5512 | BLOCK RES.       |          |       |      | RAC104D104JCTH    | J42900055 |       | 1-  | B    | h1      |
| RB5513 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | h1      |
| RB5515 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | e2      |
| RB5516 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | e2      |
| RB5517 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | f2      |
| RB5518 | BLOCK RES.       |          |       |      | MNR14E0ABJ330     | J42900036 |       | 1-  | B    | e2      |
| RB5519 | BLOCK RES.       |          |       |      | RAC104D104JCTH    | J42900055 |       | 1-  | B    | f2      |
| S 5501 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | A1      |
| S 5502 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | E1      |
| S 5503 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | E1      |
| S 5504 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | E2      |
| S 5505 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | E2      |
| S 5506 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | F2      |
| S 5507 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | F2      |
| S 5508 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | F2      |
| S 5509 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | F3      |
| S 5510 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | F1      |
| S 5511 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | F1      |
| S 5512 | ROTARY ENCODER   |          |       |      | EC12E2420801      | Q9000758  |       | 1-  | A    | E3      |
| S 5513 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | H1      |
| S 5514 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | H1      |
| S 5515 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | H2      |
| S 5516 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | H2      |
| S 5517 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | H2      |
| S 5518 | TACTILE SWITCH   |          |       |      | EVQPLHA15         | N5090174  |       | 1-  | A    | H3      |
| S 5519 | ROTARY ENCODER   |          |       |      | EC12E2470802      | Q9000996  |       | 1-  | A    | I1      |
| TC5501 | TRIMMER CAP.     | 10pF     |       |      | TZC3R100A110R00   | K91000282 |       | 1-  | B    | i1      |
| TP5511 | CHECK TERMINAL   |          |       |      | RCTCTE            | Q5000103  |       | 1-  | B    | i1      |
| VR5501 | POT.             |          |       |      | RK11K1140A23 10KB | J60800322 |       | 1-  | A    | I2      |
| VR5502 | POT.             |          |       |      | RK11K1140A23 10KB | J60800322 |       | 1-  | A    | I3      |
| X 5501 | XTAL DSX321G     | 17.91MHz |       |      | DSX321G 17.91MHZ  | H0103460  |       | 1-  | B    | f1      |

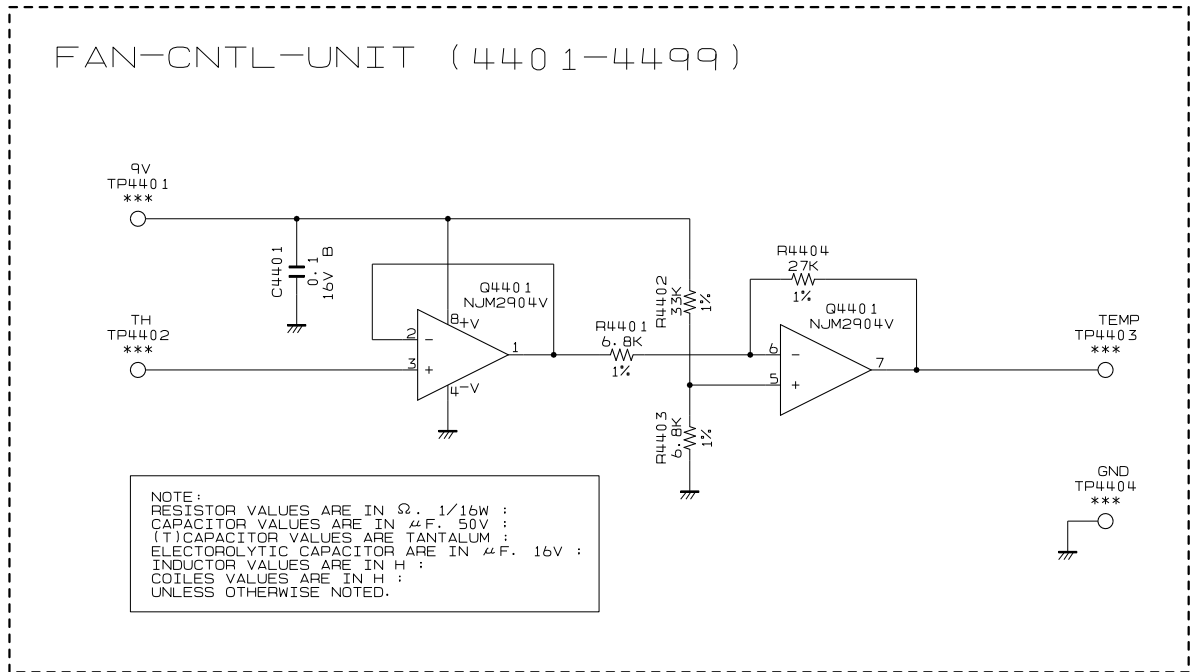
**PANEL Unit**  
Parts List

| REF    | DESCRIPTION   | VALUE     | V/W | TOL. | MFR'S DESIG | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|-----------|-----|------|-------------|-----------|-------|-----|------|---------|
| X 5502 | XTAL SSP-T7-F | 32.768kHz |     |      | 32.768KHZ   | H0103327  |       | 1-  | B    | i1      |

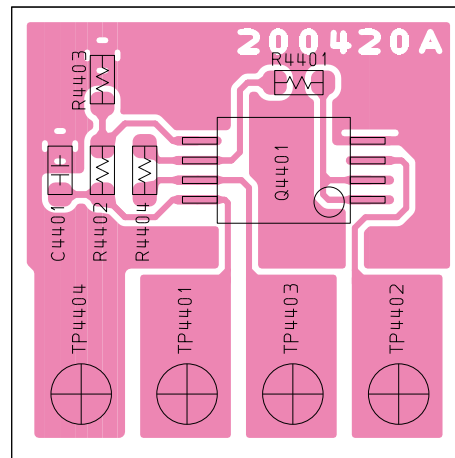


# FAN-CNTL Unit (Lot. 1 - 2)

## Circuit Diagram



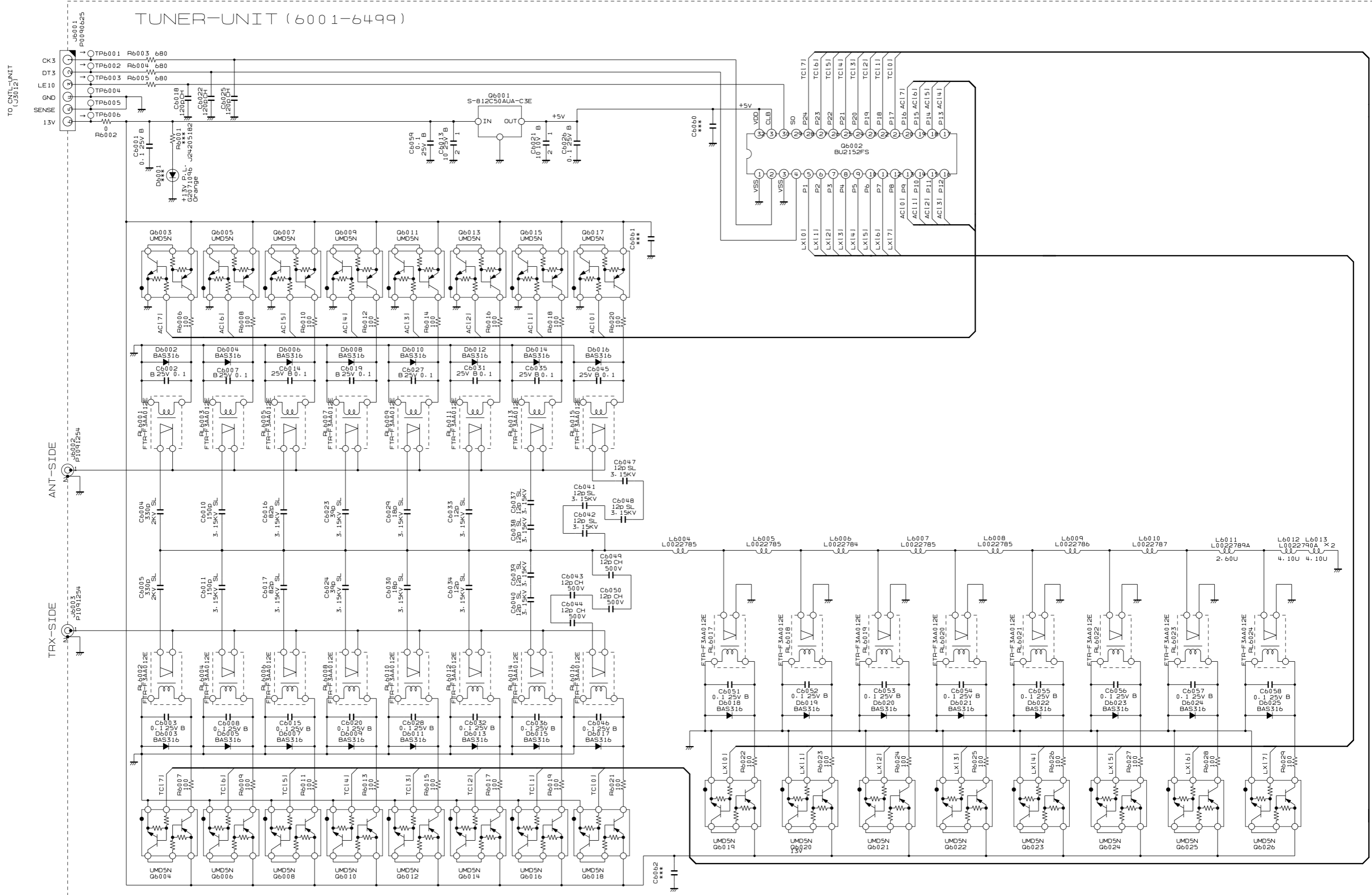
## Parts Layout



## Parts List

| REF    | DESCRIPTION | VALUE       | V/W   | TOL. | MFR'S DESIG        | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------------|-------|------|--------------------|-----------|-------|-----|------|---------|
| C 4401 | CHIP CAP.   | 0.1 $\mu$ F | 16V   | B    | GRM188B11C104KA01D | K22124805 |       | 1-2 |      |         |
| Q 4401 | IC          |             |       |      | NJM2904V-TE1       | G1091677  |       | 1-2 |      |         |
| R 4401 | CHIP RES.   | 6.8k        | 1/16W | 1%   | RMC1/16 682FTP     | J24183682 |       | 1-2 |      |         |
| R 4402 | CHIP RES.   | 33k         | 1/16W | 1%   | RMC1/16 333FTP     | J24183333 |       | 1-2 |      |         |
| R 4403 | CHIP RES.   | 6.8k        | 1/16W | 1%   | RMC1/16 682FTP     | J24183682 |       | 1-2 |      |         |
| R 4404 | CHIP RES.   | 27k         | 1/16W | 1%   | RMC1/16 273FTP     | J24183273 |       | 1-2 |      |         |

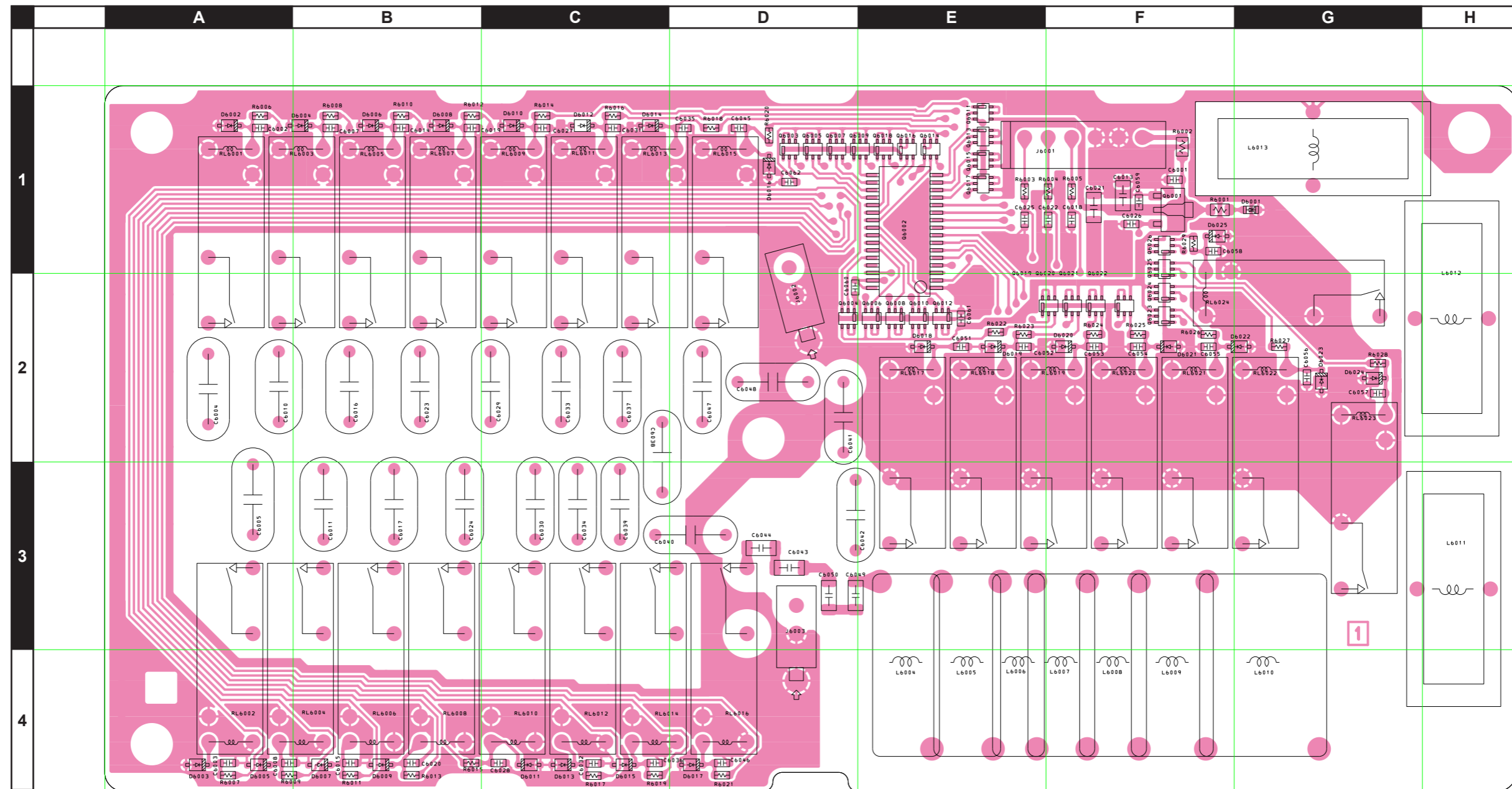
# TUNER Unit Circuit Diagram



TUNER-1

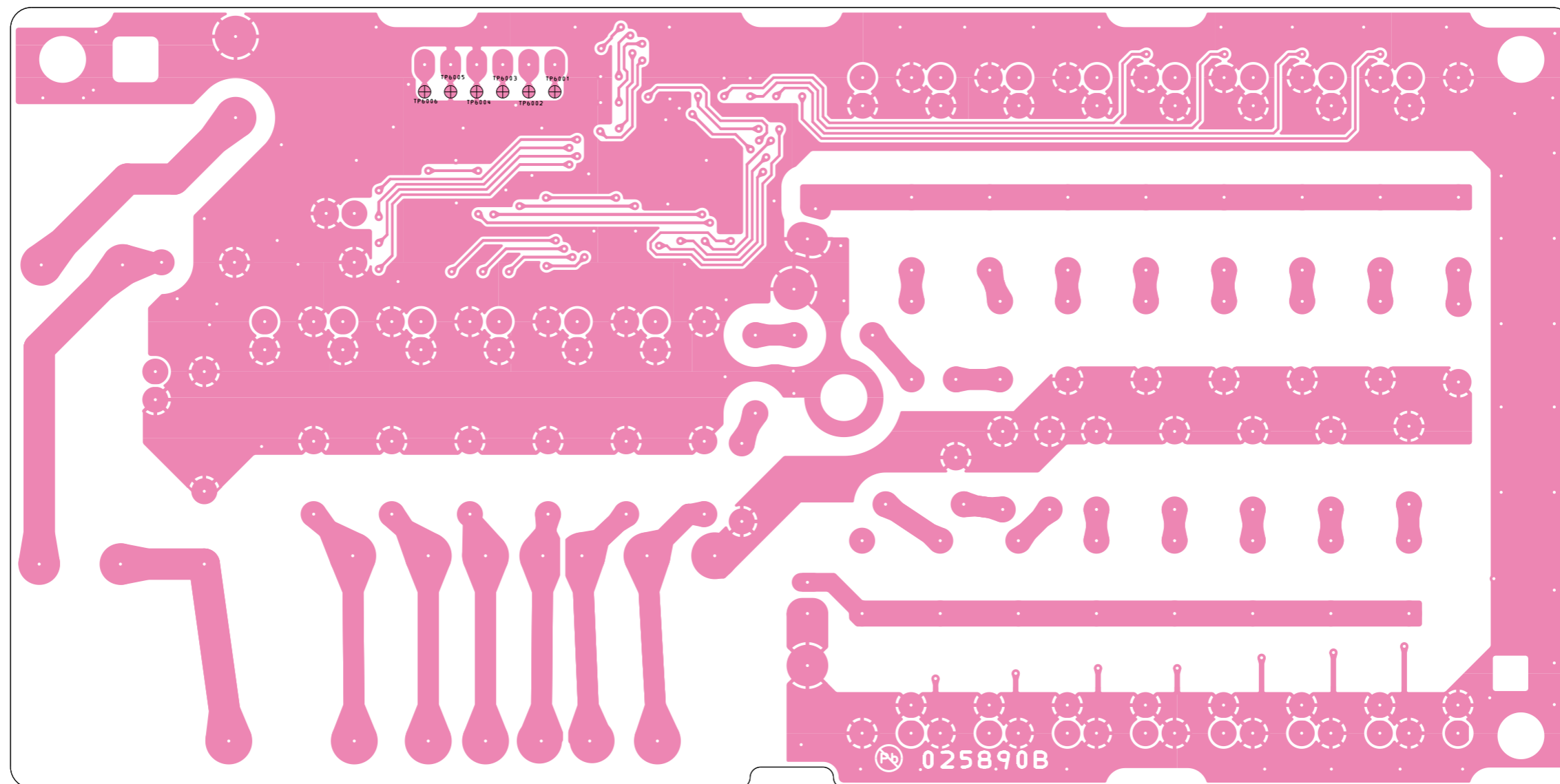
# TUNER Unit

## Parts Layout (side A)





**TUNER Unit**  
Parts Layout (side B)



# TUNER Unit

## Parts List

| REF    | DESCRIPTION         | VALUE | V/W    | TOL. | MFR'S DESIG        | YAESU P/N | VERS.     | LOT | SIDE | LAY ADR |  |
|--------|---------------------|-------|--------|------|--------------------|-----------|-----------|-----|------|---------|--|
|        | PCB with Components |       |        |      |                    |           | CS2345701 |     |      |         |  |
| C 6001 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F1      |  |
| C 6002 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | A1      |  |
| C 6003 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | A4      |  |
| C 6004 | CERAMIC CAP.        | 330pF | 3KV    | SL   | CC45SL3FD331JYNNA  | K00359031 |           | 1-  | A    | A2      |  |
| C 6005 | CERAMIC CAP.        | 330pF | 3KV    | SL   | CC45SL3FD331JYNNA  | K00359031 |           | 1-  | A    | A3      |  |
| C 6007 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | B1      |  |
| C 6008 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | A4      |  |
| C 6010 | CERAMIC CAP.        | 150pF | 3KV    | SL   | CC45SL3FD151JYNNA  | K00359035 |           | 1-  | A    | A2      |  |
| C 6011 | CERAMIC CAP.        | 150pF | 3KV    | SL   | CC45SL3FD151JYNNA  | K00359035 |           | 1-  | A    | B3      |  |
| C 6013 | CHIP CAP.           | 10uF  | 25V    | B    | GRM31CB31E106KA75L | K22141815 |           | 1-  | A    | F1      |  |
| C 6014 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | B1      |  |
| C 6015 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | B4      |  |
| C 6016 | CERAMIC CAP.        | 82pF  | 3KV    | SL   | CC45SL3FD820JYNNA  | K00359034 |           | 1-  | A    | B2      |  |
| C 6017 | CERAMIC CAP.        | 82pF  | 3KV    | SL   | CC45SL3FD820JYNNA  | K00359034 |           | 1-  | A    | B3      |  |
| C 6018 | CHIP CAP.           | 120pF | 50V    | CH   | GRM1882C1H121JA01D | K22174237 |           | 1-  | A    | F1      |  |
| C 6019 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | B1      |  |
| C 6020 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | B4      |  |
| C 6021 | CHIP CAP.           | 10uF  | 10V    | B    | GRM31CB11A106KA01L | K22101803 |           | 1-  | A    | F1      |  |
| C 6022 | CHIP CAP.           | 120pF | 50V    | CH   | GRM1882C1H121JA01D | K22174237 |           | 1-  | A    | F1      |  |
| C 6023 | CERAMIC CAP.        | 39pF  | 3.15KV | SL   | DEA1X3F390JC3B     | K00539004 |           | 1-  | A    | B2      |  |
| C 6024 | CERAMIC CAP.        | 39pF  | 3.15KV | SL   | DEA1X3F390JC3B     | K00539004 |           | 1-  | A    | B3      |  |
| C 6025 | CHIP CAP.           | 120pF | 50V    | CH   | GRM1882C1H121JA01D | K22174237 |           | 1-  | A    | E1      |  |
| C 6026 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F1      |  |
| C 6027 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | C1      |  |
| C 6028 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | C4      |  |
| C 6029 | CERAMIC CAP.        | 18pF  | 3.15KV | SL   | DEA1X3F180JCDB     | K00539002 |           | 1-  | A    | C2      |  |
| C 6030 | CERAMIC CAP.        | 18pF  | 3.15KV | SL   | DEA1X3F180JCDB     | K00539002 |           | 1-  | A    | C3      |  |
| C 6031 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | C1      |  |
| C 6032 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | C4      |  |
| C 6033 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | C2      |  |
| C 6034 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | C3      |  |
| C 6035 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | D1      |  |
| C 6036 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | C4      |  |
| C 6037 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | C2      |  |
| C 6038 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | C3      |  |
| C 6039 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | C3      |  |
| C 6040 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | D3      |  |
| C 6041 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | D2      |  |
| C 6042 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | D3      |  |
| C 6043 | CHIP CAP.           | 12pF  | 500V   | CH   | CF316CH120J500AT   | K22271256 |           | 1-  | A    | D3      |  |
| C 6044 | CHIP CAP.           | 12pF  | 500V   | CH   | CF316CH120J500AT   | K22271256 |           | 1-  | A    | D3      |  |
| C 6045 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | D1      |  |
| C 6046 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | D4      |  |
| C 6047 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | D2      |  |
| C 6048 | CERAMIC CAP.        | 12pF  | 3.15KV | SL   | DEA1X3F120JCDB     | K00539001 |           | 1-  | A    | D2      |  |
| C 6049 | CHIP CAP.           | 12pF  | 500V   | CH   | CF316CH120J500AT   | K22271256 |           | 1-  | A    | D3      |  |
| C 6050 | CHIP CAP.           | 12pF  | 500V   | CH   | CF316CH120J500AT   | K22271256 |           | 1-  | A    | D3      |  |
| C 6051 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | E2      |  |
| C 6052 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | E2      |  |
| C 6053 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F2      |  |
| C 6054 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F2      |  |
| C 6055 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F2      |  |
| C 6056 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | G2      |  |
| C 6057 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | G2      |  |
| C 6058 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F1      |  |
| C 6059 | CHIP CAP.           | 0.1uF | 25V    | B    | GRM188B11E104KA01D | K22144814 |           | 1-  | A    | F1      |  |
| D 6002 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | A1      |  |
| D 6003 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | A4      |  |
| D 6004 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | B1      |  |
| D 6005 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | A4      |  |
| D 6006 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | B1      |  |
| D 6007 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | B4      |  |
| D 6008 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | B1      |  |
| D 6009 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | B4      |  |
| D 6010 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | C1      |  |
| D 6011 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | C4      |  |
| D 6012 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | C1      |  |
| D 6013 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | C4      |  |
| D 6014 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | C1      |  |
| D 6015 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | C4      |  |
| D 6016 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | D1      |  |
| D 6017 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | D4      |  |
| D 6018 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | E2      |  |
| D 6019 | DIODE               |       |        |      | BAS316             | G2070716  |           | 1-  | A    | E2      |  |

# TUNER Unit

## Parts List

| REF    | DESCRIPTION   | VALUE | V/W   | TOL. | MFR'S DESIG         | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------|-------|-------|------|---------------------|-----------|-------|-----|------|---------|
| D 6020 | DIODE         |       |       |      | BAS316              | G2070716  |       | 1-  | A    | F2      |
| D 6021 | DIODE         |       |       |      | BAS316              | G2070716  |       | 1-  | A    | F2      |
| D 6022 | DIODE         |       |       |      | BAS316              | G2070716  |       | 1-  | A    | G2      |
| D 6023 | DIODE         |       |       |      | BAS316              | G2070716  |       | 1-  | A    | G2      |
| D 6024 | DIODE         |       |       |      | BAS316              | G2070716  |       | 1-  | A    | G2      |
| D 6025 | DIODE         |       |       |      | BAS316              | G2070716  |       | 1-  | A    | F1      |
| J 6001 | CONNECTOR     |       |       |      | SC25-06WS           | P0090625  |       | 1-  | A    | E1      |
| J 6002 | CONNECTOR     |       |       |      | TMP-S01X-C1         | P1091254  |       | 1-  | A    | D2      |
| J 6003 | CONNECTOR     |       |       |      | TMP-S01X-C1         | P1091254  |       | 1-  | A    | D3      |
| L 6004 | COIL A1       |       |       |      | 2.5T16D1.6PEW R     | L0022785  |       | 1-  | A    | E3      |
| L 6005 | COIL A1       |       |       |      | 2.5T16D1.6PEW R     | L0022785  |       | 1-  | A    | E3      |
| L 6006 | COIL A1       |       |       |      | 1.5T16D1.6PEW R     | L0022784  |       | 1-  | A    | E3      |
| L 6007 | COIL A1       |       |       |      | 2.5T16D1.6PEW R     | L0022785  |       | 1-  | A    | E3      |
| L 6008 | COIL A1       |       |       |      | 2.5T16D1.6PEW R     | L0022785  |       | 1-  | A    | F3      |
| L 6009 | COIL A1       |       |       |      | 3.5T16D1.6PEW R     | L0022786  |       | 1-  | A    | F3      |
| L 6010 | COIL A1       |       |       |      | 6.5T16D1.6PEW R     | L0022787  |       | 1-  | A    | F3      |
| L 6011 | TOROIDAL COIL | 2.6uH |       |      | 2.60U T80-6         | L0022789A |       | 1-  | A    | H3      |
| L 6012 | TOROIDAL COIL | 4.1uH |       |      | 4.10U T80-2         | L0022790A |       | 1-  | A    | H2      |
| L 6013 | TOROIDAL COIL | 4.1uH |       |      | 4.10U T80-2         | L0022790A |       | 1-  | A    | G1      |
| Q 6001 | IC            |       |       |      | S-812C50AUA-C3E-T2G | G1093652  |       | 1-  | A    | F1      |
| Q 6002 | IC            |       |       |      | BU2152FS(TAPE)      | G1093942  |       | 1-  | A    | E1      |
| Q 6003 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | D1      |
| Q 6004 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | D2      |
| Q 6005 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | D1      |
| Q 6006 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E2      |
| Q 6007 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | D1      |
| Q 6008 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E2      |
| Q 6009 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6010 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E2      |
| Q 6011 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6012 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E2      |
| Q 6013 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6014 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6015 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6016 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6017 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6018 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | E1      |
| Q 6019 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F2      |
| Q 6020 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F2      |
| Q 6021 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F2      |
| Q 6022 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F2      |
| Q 6023 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F2      |
| Q 6024 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F2      |
| Q 6025 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F1      |
| Q 6026 | TRANSISTOR    |       |       |      | UMD5N TR            | G3070343  |       | 1-  | A    | F1      |
| R 6002 | CHIP RES.     | 0     | 1/10W | 5%   | RMC1/10T 000J       | J24205000 |       | 1-  | A    | F1      |
| R 6003 | CHIP RES.     | 680   | 1/16W | 5%   | RMC1/16 681JATP     | J24185681 |       | 1-  | A    | E1      |
| R 6004 | CHIP RES.     | 680   | 1/16W | 5%   | RMC1/16 681JATP     | J24185681 |       | 1-  | A    | F1      |
| R 6005 | CHIP RES.     | 680   | 1/16W | 5%   | RMC1/16 681JATP     | J24185681 |       | 1-  | A    | F1      |
| R 6006 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | A1      |
| R 6007 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | A4      |
| R 6008 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | B1      |
| R 6009 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | A4      |
| R 6010 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | B1      |
| R 6011 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | B4      |
| R 6012 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | B1      |
| R 6013 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | B4      |
| R 6014 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | C1      |
| R 6015 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | B4      |
| R 6016 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | C1      |
| R 6017 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | C4      |
| R 6018 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | D1      |
| R 6019 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | C4      |
| R 6020 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | D1      |
| R 6021 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | D4      |
| R 6022 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | E2      |
| R 6023 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | E2      |
| R 6024 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | F2      |
| R 6025 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | F2      |
| R 6026 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | F2      |
| R 6027 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | G2      |
| R 6028 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | G2      |
| R 6029 | CHIP RES.     | 100   | 1/16W | 5%   | RMC1/16 101JATP     | J24185101 |       | 1-  | A    | F1      |
| RL6001 | RELAY         |       |       |      | FTR-F3AA012E-(F)    | M1190224  |       | 1-  | A    | A1      |
| RL6002 | RELAY         |       |       |      | FTR-F3AA012E-(F)    | M1190224  |       | 1-  | A    | A3      |



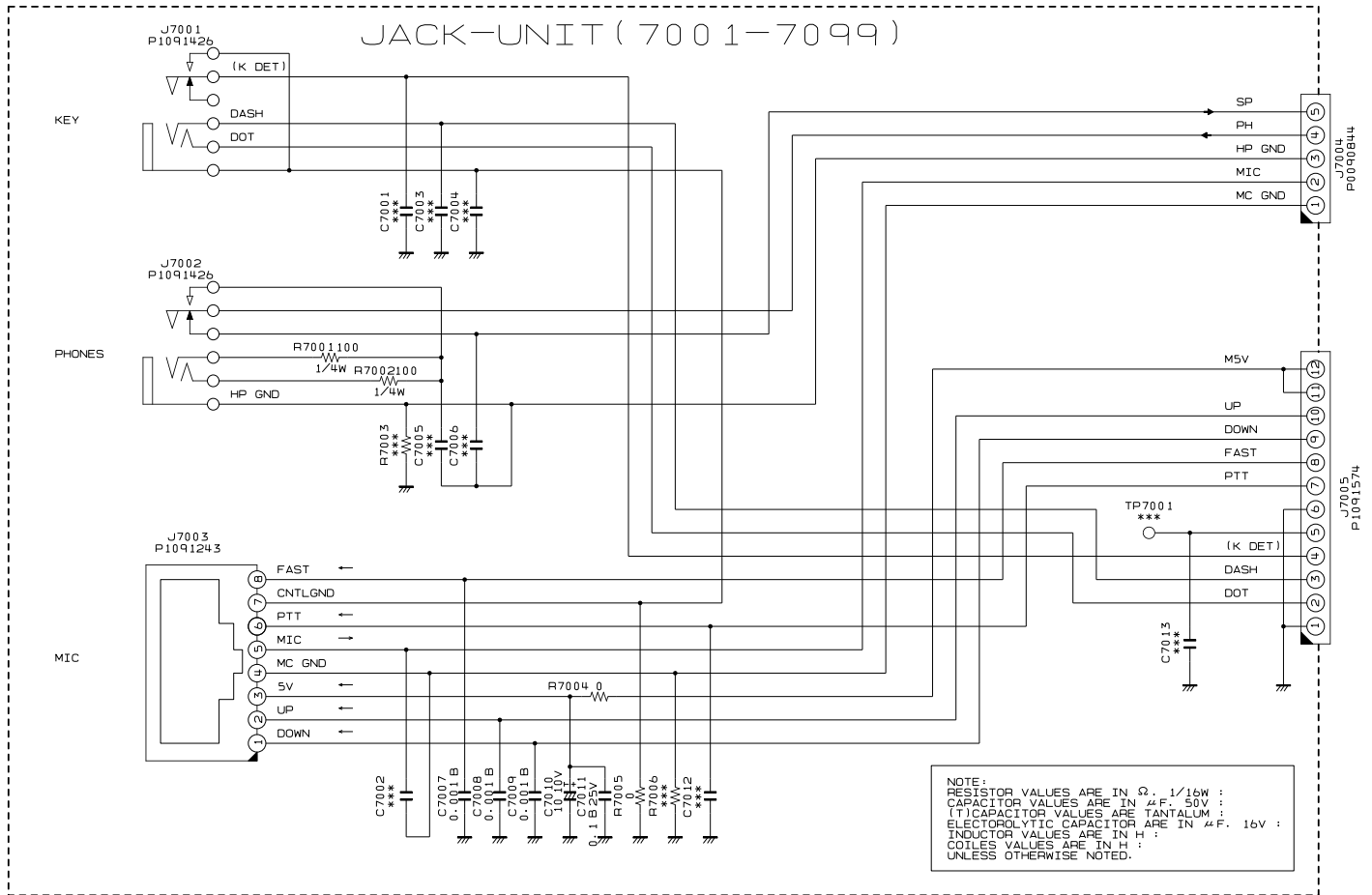
# TUNER Unit

## Parts List

| REF    | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG      | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-----|------|------------------|-----------|-------|-----|------|---------|
| RL6003 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | A1      |
| RL6004 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | B3      |
| RL6005 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | B1      |
| RL6006 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | B3      |
| RL6007 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | B1      |
| RL6008 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | B3      |
| RL6009 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | C1      |
| RL6010 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | C3      |
| RL6011 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | C1      |
| RL6012 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | C3      |
| RL6013 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | C1      |
| RL6014 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | D3      |
| RL6015 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | D1      |
| RL6016 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | D3      |
| RL6017 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | E3      |
| RL6018 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | E3      |
| RL6019 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | E3      |
| RL6020 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | F3      |
| RL6021 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | F3      |
| RL6022 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | G3      |
| RL6023 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | G3      |
| RL6024 | RELAY       |       |     |      | FTR-F3AA012E-(F) | M1190224  |       | 1-  | A    | G2      |

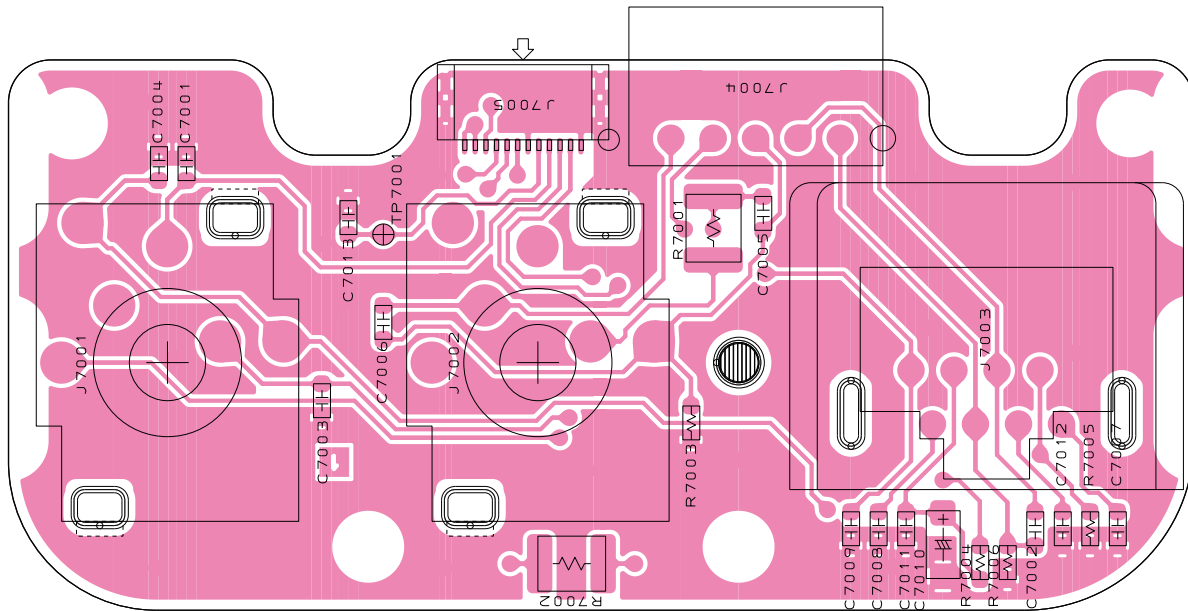
# JACK Unit

## Circuit Diagram

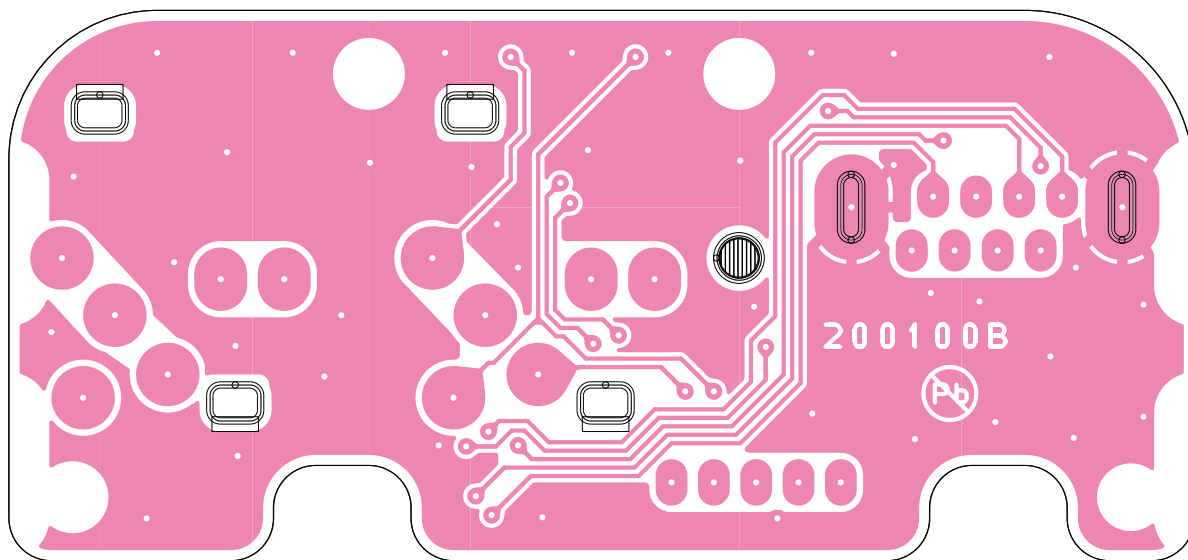


# JACK Unit

## Parts Layout



side A



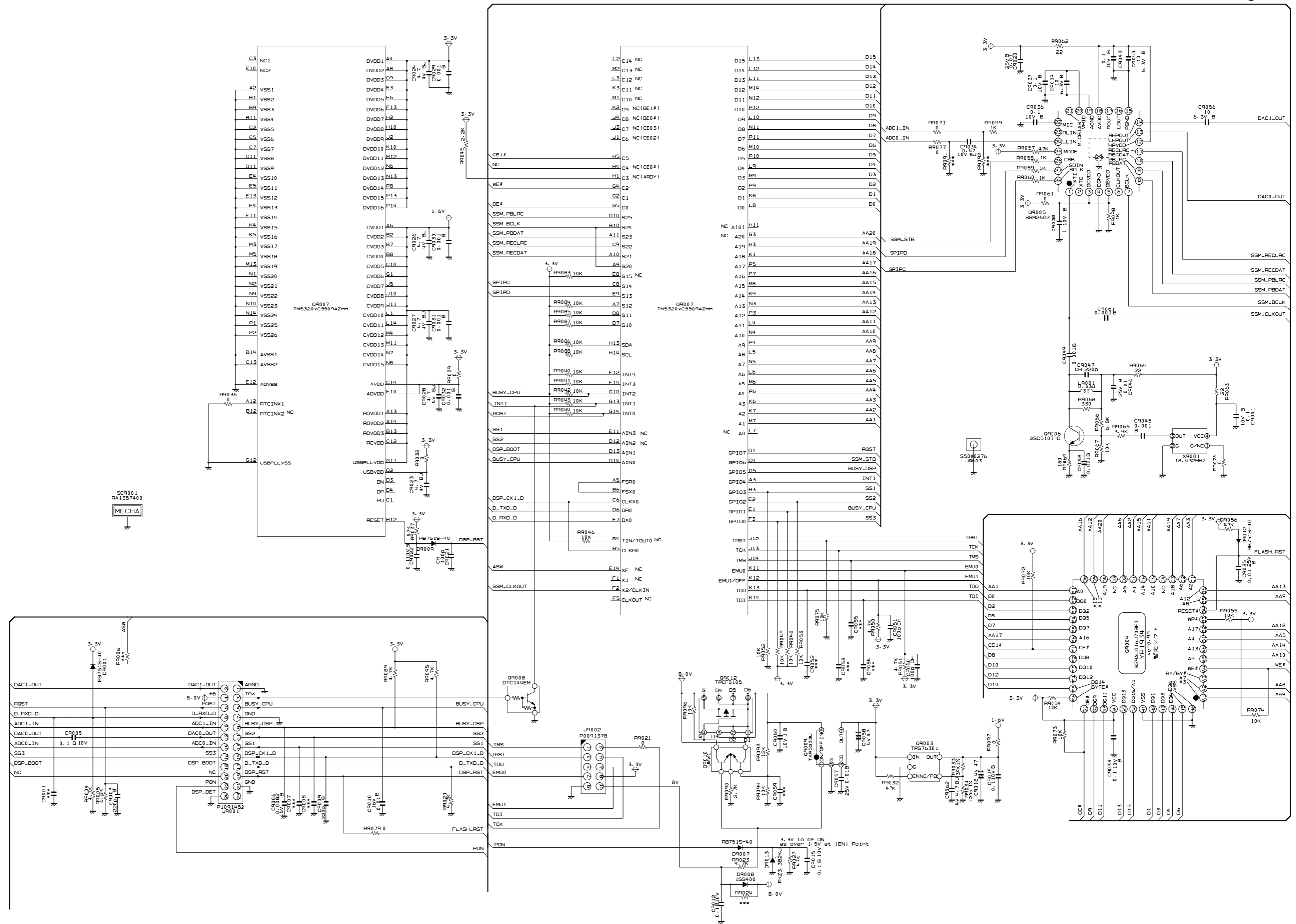
side B

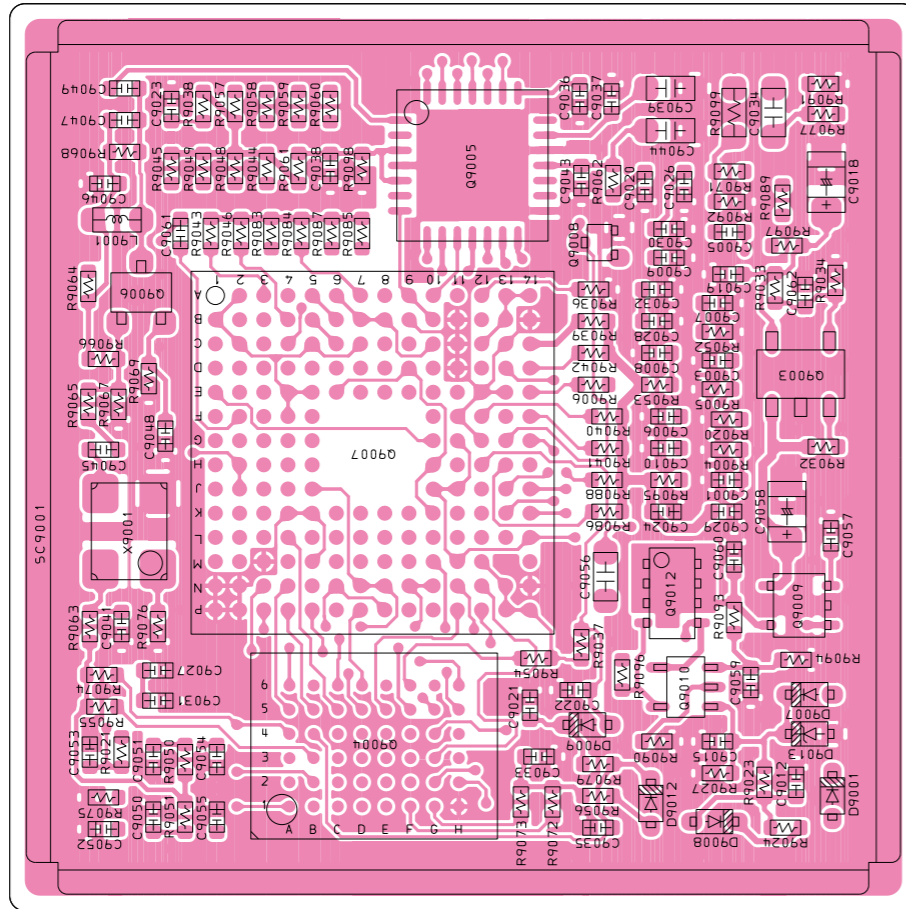
### Parts List

| REF    | DESCRIPTION         | VALUE   | V/W   | TOL. | MFR'S DESIG          | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|---------------------|---------|-------|------|----------------------|-----------|-------|-----|------|---------|
|        | PCB with Components |         |       |      |                      | CD0024001 |       |     |      |         |
| C 7002 | CHIP CAP.           | 0.001uF | 50V   | B    | GRM188B11H102KA01D   | K22174821 |       | 1-  | A    |         |
| C 7007 | CHIP CAP.           | 0.001uF | 50V   | B    | GRM188B11H102KA01D   | K22174821 |       | 1-  | A    |         |
| C 7008 | CHIP CAP.           | 0.001uF | 50V   | B    | GRM188B11H102KA01D   | K22174821 |       | 1-  | A    |         |
| C 7009 | CHIP CAP.           | 0.001uF | 50V   | B    | GRM188B11H102KA01D   | K22174821 |       | 1-  | A    |         |
| C 7010 | CHIP TA.CAP.        | 10uF    | 10V   |      | TMCMA1A106MTRF       | K78100028 |       | 1-  | A    |         |
| C 7011 | CHIP CAP.           | 0.1uF   | 25V   | B    | GRM188B11E104KA01D   | K22144814 |       | 1-  | A    |         |
| C 7012 | CHIP CAP.           | 0.001uF | 50V   | B    | GRM188B11H102KA01D   | K22174821 |       | 1-  | A    |         |
| J 7001 | CONNECTOR           |         |       |      | LJE0369-6            | P1091426  |       | 1-  | A    |         |
| J 7002 | CONNECTOR           |         |       |      | LJE0369-6            | P1091426  |       | 1-  | A    |         |
| J 7003 | CONNECTOR           |         |       |      | R41-2509R            | P1091243  |       | 1-  | A    |         |
| J 7004 | CONNECTOR           |         |       |      | SB20-05WL            | P0090844  |       | 1-  | A    |         |
| J 7005 | CONNECTOR           |         |       |      | 12FHJ-SM1-TB(LF)(SN) | P1091574  |       | 1-  | A    |         |
| R 7001 | CHIP RES.           | 100     | 1/4W  | 5%   | RMC1/4 101JATP       | J24245101 |       | 1-  | A    |         |
| R 7002 | CHIP RES.           | 100     | 1/4W  | 5%   | RMC1/4 101JATP       | J24245101 |       | 1-  | A    |         |
| R 7004 | CHIP RES.           | 0       | 1/16W | 5%   | RMC1/16 000JATP      | J24185000 |       | 1-  | A    |         |
| R 7005 | CHIP RES.           | 0       | 1/16W | 5%   | RMC1/16 000JATP      | J24185000 |       | 1-  | A    |         |

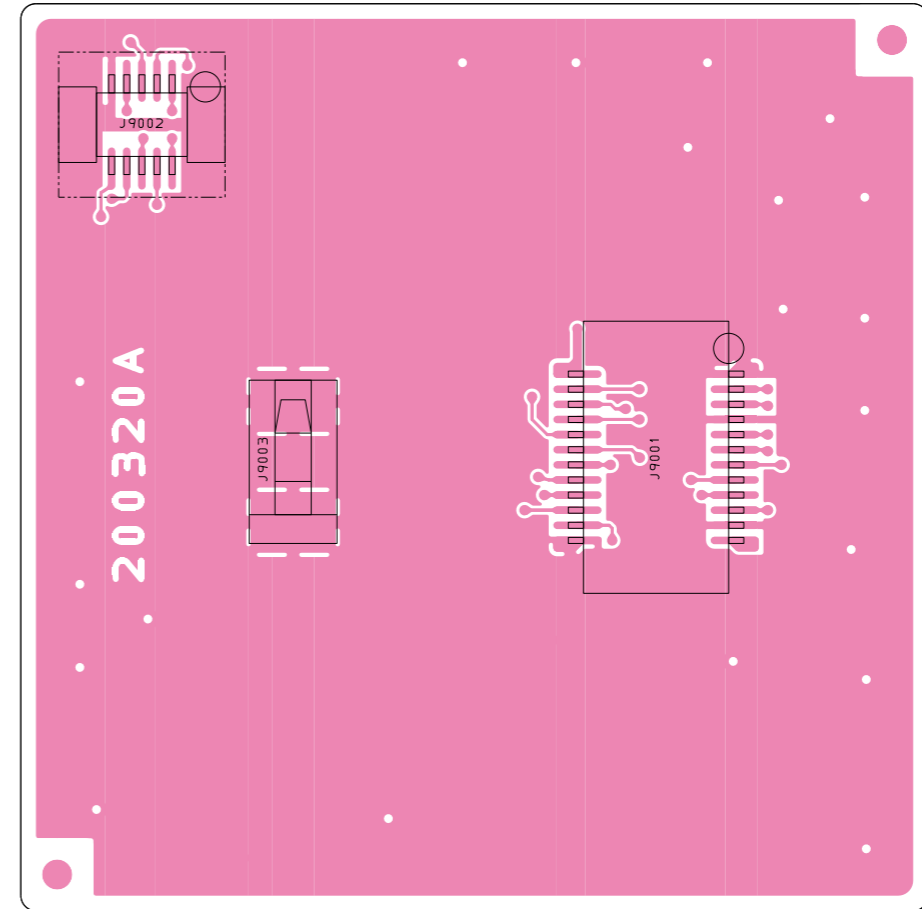


# DSP Unit Circuit Diagram





side A



side B

# DSP Unit Parts List

| REF    | DESCRIPTION         | VALUE    | V/W   | TOL. | MFR'S DESIG               | YAESU P/N | VERS.     | LOT | SIDE | LAY ADR |  |
|--------|---------------------|----------|-------|------|---------------------------|-----------|-----------|-----|------|---------|--|
|        | PCB with Components |          |       |      |                           |           | CS2346501 |     |      |         |  |
| C 9003 | CHIP CAP.           | 220pF    | 50V   | B    | GRM155B11H221KA01D        | K22178801 |           | 1-  | A    | A2      |  |
| C 9005 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | B2      |  |
| C 9006 | CHIP CAP.           | 0.0082uF | 16V   | B    | GRM155B11C822KA01D        | K22128801 |           | 1-  | A    | A1      |  |
| C 9009 | CHIP CAP.           | 220pF    | 50V   | B    | GRM155B11H221KA01D        | K22178801 |           | 1-  | A    | B1      |  |
| C 9010 | CHIP CAP.           | 0.01uF   | 16V   | B    | GRM155B11C103JA01D        | K22128814 |           | 1-  | A    | A1      |  |
| C 9012 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | A2      |  |
| C 9015 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | A2      |  |
| C 9018 | CHIP TA.CAP.        | 47uF     | 4V    |      | TMCP0G476MTRF             | K78060050 |           | 1-  | A    | B2      |  |
| C 9019 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | B2      |  |
| C 9020 | CHIP CAP.           | 0.01uF   | 25V   | B    | GRM155B11E103KA01D        | K22148834 |           | 1-  | A    | B1      |  |
| C 9021 | CHIP CAP.           | 100pF    | 50V   | CH   | GRM1552C1H101JA01D        | K22178236 |           | 1-  | A    | A1      |  |
| C 9022 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | A1      |  |
| C 9023 | CHIP CAP.           | 4.7uF    | 4V    | BJ   | AMK105BJ475MV-F           | K22068801 |           | 1-  | A    | B1      |  |
| C 9024 | CHIP CAP.           | 4.7uF    | 4V    | BJ   | AMK105BJ475MV-F           | K22068801 |           | 1-  | A    | A1      |  |
| C 9026 | CHIP CAP.           | 4.7uF    | 4V    | BJ   | AMK105BJ475MV-F           | K22068801 |           | 1-  | A    | B1      |  |
| C 9027 | CHIP CAP.           | 4.7uF    | 4V    | BJ   | AMK105BJ475MV-F           | K22068801 |           | 1-  | A    | A1      |  |
| C 9028 | CHIP CAP.           | 4.7uF    | 4V    | BJ   | AMK105BJ475MV-F           | K22068801 |           | 1-  | A    | A1      |  |
| C 9029 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | A2      |  |
| C 9030 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | B1      |  |
| C 9031 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | A1      |  |
| C 9032 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | B1      |  |
| C 9033 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | A1      |  |
| C 9034 | CHIP CAP.           | 0.47uF   | 10V   | BJ   | LMK107BJ474KA-T           | K22104803 |           | 1-  | A    | B2      |  |
| C 9035 | CHIP CAP.           | 0.01uF   | 25V   | B    | GRM155B11E103KA01D        | K22148834 |           | 1-  | A    | A1      |  |
| C 9036 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | B1      |  |
| C 9037 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | B1      |  |
| C 9038 | CHIP CAP.           | 1uF      | 10V   | B    | GRM155B31A105KE15D        | K22108809 |           | 1-  | A    | B1      |  |
| C 9039 | CHIP CAP.           | 10uF     | 6.3V  | B    | JMK107BJ106MA-T           | K22084806 |           | 1-  | A    | B1      |  |
| C 9041 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | A1      |  |
| C 9043 | CHIP CAP.           | 0.1uF    | 10V   | B    | GRM155B11A104KA01D        | K22108802 |           | 1-  | A    | B1      |  |
| C 9044 | CHIP CAP.           | 10uF     | 6.3V  | B    | JMK107BJ106MA-T           | K22084806 |           | 1-  | A    | B1      |  |
| C 9045 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | A1      |  |
| C 9046 | CHIP CAP.           | 0.01uF   | 25V   | B    | GRM155B11E103KA01D        | K22148834 |           | 1-  | A    | B1      |  |
| C 9047 | CHIP CAP.           | 220pF    | 50V   | CH   | GRM1552C1H221JA01D        | K22179713 |           | 1-  | A    | B1      |  |
| C 9048 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | A1      |  |
| C 9049 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | B1      |  |
| C 9050 | CHIP CAP.           | 100pF    | 50V   | CH   | GRM1552C1H101JA01D        | K22178236 |           | 1-  | A    | A1      |  |
| C 9051 | CHIP CAP.           | 100pF    | 50V   | CH   | GRM1552C1H101JA01D        | K22178236 |           | 1-  | A    | A1      |  |
| C 9056 | CHIP CAP.           | 10uF     | 6.3V  | B    | JMK107BJ106MA-T           | K22084806 |           | 1-  | A    | A1      |  |
| C 9057 | CHIP CAP.           | 0.01uF   | 25V   | B    | GRM155B11E103KA01D        | K22148834 |           | 1-  | A    | A2      |  |
| C 9058 | CHIP TA.CAP.        | 47uF     | 4V    |      | TMCP0G476MTRF             | K78060050 |           | 1-  | A    | A2      |  |
| C 9060 | CHIP CAP.           | 1uF      | 10V   | B    | GRM155B31A105KE15D        | K22108809 |           | 1-  | A    | A2      |  |
| C 9061 | CHIP CAP.           | 0.001uF  | 50V   | B    | UMK105B102KW-F            | K22178829 |           | 1-  | A    | B1      |  |
| C 9062 | CHIP CAP.           | 4.7uF    | 4V    | BJ   | AMK105BJ475MV-F           | K22068801 |           | 1-  | A    | B2      |  |
| D 9001 | DIODE               |          |       |      | RB751S-40TE61             | G2070850  |           | 1-  | A    | A2      |  |
| D 9007 | DIODE               |          |       |      | RB751S-40TE61             | G2070850  |           | 1-  | A    | A2      |  |
| D 9008 | DIODE               |          |       |      | 1SS400 TE61               | G2070634  |           | 1-  | A    | A2      |  |
| D 9009 | DIODE               |          |       |      | RB751S-40TE61             | G2070850  |           | 1-  | A    | A1      |  |
| D 9012 | DIODE               |          |       |      | RB751S-40TE61             | G2070850  |           | 1-  | A    | A1      |  |
| D 9013 | DIODE               |          |       |      | RKZ3.3B2KJR1              | G2071398  |           | 1-  | A    | A2      |  |
| J 9001 | CONNECTOR           |          |       |      | AXK5F24547YG              | P1091452  |           | 1-  | B    | a1      |  |
| J 9002 | CONNECTOR           |          |       |      | AXK6F10345YP              | P0091378  |           | 1-  | B    | b1      |  |
| J 9003 | SHIELD FINGER       |          |       |      | 0G-542925                 | S5000276  |           | 1-  | B    | a1      |  |
| L 9001 | M.RFC               | 0.33uH   |       |      | LK1608 R33K-T             | L1690412  |           | 1-  | A    | B1      |  |
| Q 9003 | IC                  |          |       |      | TPS76301DBVR              | G1094152  |           | 1-  | A    | A2      |  |
| Q 9004 | IC                  |          |       |      | S29AL016J70BFI010E YR1934 | G1095009  |           | 1   | A    | A1      |  |
| Q 9004 | IC                  |          |       |      | S29AL016J70BFI010E YR2022 | G1095140  |           | 2-  | A    | A1      |  |
| Q 9005 | IC                  |          |       |      | SSM2602CPZ-REEL7          | G1094762  |           | 1-  | A    | B1      |  |
| Q 9006 | TRANSISTOR          |          |       |      | 2SC5107-O(TE85R.F)        | G3351077O |           | 1-  | A    | B1      |  |
| Q 9007 | IC                  |          |       |      | TMS320VC5509AZHH          | G1094763  |           | 1-  | A    | A1      |  |
| Q 9008 | TRANSISTOR          |          |       |      | DTC144EM T2L              | G3070309  |           | 1-  | A    | B1      |  |
| Q 9009 | IC                  |          |       |      | TAR5S33U(TE85L.F)         | G1094549  |           | 1-  | A    | A2      |  |
| Q 9010 | TRANSISTOR          |          |       |      | UMW1 TR                   | G3070078  |           | 1-  | A    | A1      |  |
| Q 9012 | FET                 |          |       |      | TPCF8105                  | G3070456  |           | 1-  | A    | A1      |  |
| R 9004 | CHIP RES.           | 4.7k     | 1/16W | 5%   | RMC1/16S 472JTH           | J24189033 |           | 1-  | A    | A2      |  |
| R 9005 | CHIP RES.           | 6.8k     | 1/16W | 5%   | RMC1/16S 682JTH           | J24189035 |           | 1-  | A    | A2      |  |
| R 9020 | CHIP RES.           | 4.7k     | 1/16W | 5%   | RMC1/16S 472JTH           | J24189033 |           | 1-  | A    | A2      |  |
| R 9021 | CHIP RES.           | 0        | 1/16W | 5%   | RMC1/16S JPTH             | J24189070 |           | 1-  | A    | A1      |  |
| R 9023 | CHIP RES.           | 4.7k     | 1/16W | 5%   | RMC1/16S 472JTH           | J24189033 |           | 1-  | A    | A2      |  |
| R 9027 | CHIP RES.           | 47k      | 1/16W | 5%   | RMC1/16S 473JTH           | J24189045 |           | 1-  | A    | A2      |  |
| R 9032 | CHIP RES.           | 47k      | 1/16W | 5%   | RMC1/16S 473JTH           | J24189045 |           | 1-  | A    | A2      |  |
| R 9033 | CHIP RES.           | 39k      | 1/16W | 1%   | RMC1/16SK393FTH           | J24189524 |           | 1-  | A    | B2      |  |
| R 9034 | CHIP RES.           | 120k     | 1/16W | 1%   | RMC1/16SK124FTH           | J24189530 |           | 1-  | A    | B2      |  |
| R 9036 | CHIP RES.           | 0        | 1/16W | 5%   | RMC1/16S JPTH             | J24189070 |           | 1-  | A    | B1      |  |



# DSP Unit Parts List

| REF    | DESCRIPTION | VALUE     | V/W   | TOL. | MFR'S DESIG          | YAESU P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-----------|-------|------|----------------------|-----------|-------|-----|------|---------|
| R 9037 | CHIP RES.   | 47k       | 1/16W | 5%   | RMC1/16S 473JTH      | J24189045 |       | 1-  | A    | A1      |
| R 9038 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B1      |
| R 9039 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | A1      |
| R 9040 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9041 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9042 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9043 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9044 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9045 | CHIP RES.   | 2.2k      | 1/16W | 5%   | RMC1/16S 222JTH      | J24189029 |       | 1-  | A    | B1      |
| R 9046 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9048 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9049 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9050 | CHIP RES.   | 4.7k      | 1/16W | 5%   | RMC1/16S 472JTH      | J24189033 |       | 1-  | A    | A1      |
| R 9051 | CHIP RES.   | 4.7k      | 1/16W | 5%   | RMC1/16S 472JTH      | J24189033 |       | 1-  | A    | A1      |
| R 9052 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A2      |
| R 9053 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9054 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9055 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9056 | CHIP RES.   | 47k       | 1/16W | 5%   | RMC1/16S 473JTH      | J24189045 |       | 1-  | A    | A1      |
| R 9057 | CHIP RES.   | 47k       | 1/16W | 5%   | RMC1/16S 473JTH      | J24189045 |       | 1-  | A    | B1      |
| R 9058 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1-  | A    | B1      |
| R 9059 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1-  | A    | B1      |
| R 9060 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1-  | A    | B1      |
| R 9061 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B1      |
| R 9062 | CHIP RES.   | 22        | 1/16W | 5%   | RMC1/16S 220JTH      | J24189005 |       | 1-  | A    | B1      |
| R 9063 | CHIP RES.   | 22        | 1/16W | 5%   | RMC1/16S 220JTH      | J24189005 |       | 1-  | A    | A1      |
| R 9064 | CHIP RES.   | 22        | 1/16W | 5%   | RMC1/16S 220JTH      | J24189005 |       | 1-  | A    | B1      |
| R 9065 | CHIP RES.   | 3.9k      | 1/16W | 5%   | RMC1/16S 392JTH      | J24189032 |       | 1-  | A    | A1      |
| R 9066 | CHIP RES.   | 6.8k      | 1/16W | 5%   | RMC1/16S 682JTH      | J24189035 |       | 1-  | A    | A1      |
| R 9067 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9068 | CHIP RES.   | 330       | 1/16W | 5%   | RMC1/16S 331JTH      | J24189019 |       | 1-  | A    | B1      |
| R 9069 | CHIP RES.   | 180       | 1/16W | 5%   | RMC1/16S 181JTH      | J24189016 |       | 1-  | A    | A1      |
| R 9071 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B2      |
| R 9072 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9073 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9074 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9075 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9076 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | A1      |
| R 9077 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B2      |
| R 9079 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | A1      |
| R 9083 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9084 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9085 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9086 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9087 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | B1      |
| R 9088 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9089 | CHIP RES.   | 4.7k      | 1/16W | 5%   | RMC1/16S 472JTH      | J24189033 |       | 1-  | A    | B2      |
| R 9090 | CHIP RES.   | 2.7k      | 1/16W | 5%   | RMC1/16S 272JTH      | J24189030 |       | 1-  | A    | A1      |
| R 9093 | CHIP RES.   | 12k       | 1/16W | 5%   | RMC1/16S 123JTH      | J24189038 |       | 1-  | A    | A2      |
| R 9094 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A2      |
| R 9095 | CHIP RES.   | 4.7k      | 1/16W | 5%   | RMC1/16S 472JTH      | J24189033 |       | 1-  | A    | A1      |
| R 9096 | CHIP RES.   | 10k       | 1/16W | 5%   | RMC1/16S 103JTH      | J24189037 |       | 1-  | A    | A1      |
| R 9097 | CHIP RES.   | 0         | 1/16W | 5%   | RMC1/16S JPTH        | J24189070 |       | 1-  | A    | B2      |
| R 9098 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16S 102JTH      | J24189025 |       | 1-  | A    | B1      |
| R 9099 | CHIP RES.   | 1k        | 1/16W | 5%   | RMC1/16 102JATP      | J24185102 |       | 1-  | A    | B2      |
| SC9001 | SHIELD CASE |           |       |      | (DSP)                | RA1357400 |       | 1-  | A    | A1      |
| X 9001 | TCXO        | 18.432MHz |       |      | TTS18NSE-A11 18.432M | H9501220  |       | 1-  | A    | A1      |

# ***YAESU***

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***The radio***

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