TOA

SERVICE MANUAL

FOR REPAIR SERVICE

UHF WIRELESS TUNER
S5.5-RX A1, B2, C1, D3

No.833-73-817-20

Update history

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NOTE ON REPAIR WORK SAFETY

Follow the instructions below, both to prevent accidents when making repairs and to ensure post-repair product safety.

Do not apply voltages other than those specified for the equipment or its components.

Applying voltages other than the rated voltage could cause electrical breakdown or over-current, possibly resulting in electric shock or fire.

Use specified parts and components.

Be sure to use only specified parts when replacing parts indicated by the ⚠ mark in the circuit diagram or parts list. Because such parts have been designed for safety in terms of their incombustibility and dielectric strength, using parts other than those specified could result in a fire.

After replacing parts, be sure to return the new parts and any other affected parts to their previous configuration.

Check that all screws, parts, and wiring removed or changed during servicing have been restored to their original states. Also, confirm that no damage has occurred around the serviced area.

Do not modify the design of circuit boards or other electronic elements.

Modifying circuit boards could cause electric shock or result in a fire hazard due to excessive heat build-up. User modification automatically exempts the manufacturer from all personal and property liability caused by such modification, and the user who carried out such modification shall be solely responsible for such accidents.

• About lead-free solders

Since lead can become an environmental contaminant, this unit has been manufactured using solders that contain no lead in the printed circuit board.

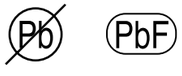
[While conventional solders are alloys of zinc and lead, lead-free solder is comprisend of an alternative alloy that contains no lead.]

NOTES

- Circuit boards using lead-free solder bear a lead-free solder designation. To maintain the integrity of this designation, be sure to use lead-free solder when repairing such lead-free solder circuit boards. Boards not marked with the lead-free solder designation may legally be serviced using conventional solders.
- Because the melting point of lead-free solder (approximately 220°C) is 30°C-40°C higher than that of conventional (lead-zinc alloy) solder, it tasks little longer to melt. It is recommended that a soldering iron with controllable temperature be used and set to 20°C higher than would normally be used with conventional solder.

Identifying printed circuit boards that use free-lead solder

Printed circuit boards that use lead-free solder have the following designation printed or stamped on either side of the board.



SPECIFICATIONS

Power Source	AC mains (supplied AC adapter must be used)
Power Consumption	300 mA (13 V DC)
Receiving Frequency	692 - 852 MHz (*2), UHF
Channel Selectable	10 banks, 24 frequencies max / bank (the number of channels may differ from country to country)
Receiving System	Double super-heterodyne
Diversity System	Space diversity (true diversity)
Audio Output	XLR-3-32 type connector LINE: -22dB(*1), 600 Ω, balanced MIC: -62dB(*1), 600 Ω, balanced Phone jack -28 dB(*1), 600 Ω, unbalanced
Antenna Input	75 Ω, BNC
Antenna Phantom Power	9 V DC, 30mA (max)
Receiving Sensitivity	Under 0 dBμV (12 dB SINAD)
Squelch Sensitivity	6 - 36 dBμV variable
Squelch System	Using together of noise SQ, carrier SQ and tone SQ
Tone Frequency	32.768 kHz
Indicator	LCD, Power lamp, Mute lamp, ANT A/B lamp,
S/N Ratio	Over 110dB (A weight)
Harmonic Distortion	Under 1% (typical)
Frequency Response	50 Hz - 20 kHz, +-3 dB
Function	Audio Low-cut, High-boost and phase reverse Battery indicator (7steps) Headphone output Infra-Red link port Channel check Monitoring software with USB connectivity
Operating Temperature	-10°C to +50°C (14°F to 122°C)
Finish	Chassis: steal, dark gray, painting Front panel: aluminum, silver, almite
Dimensions	210(W) x 46(H) x 210(D) mm
Weight	1.3kg

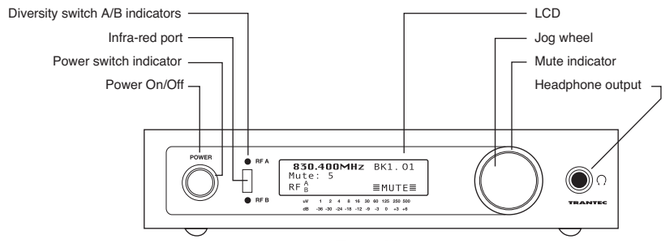
• Accessories

AC adapter (*3) 1
Wireless Antenna 2
Rack mount kit 11

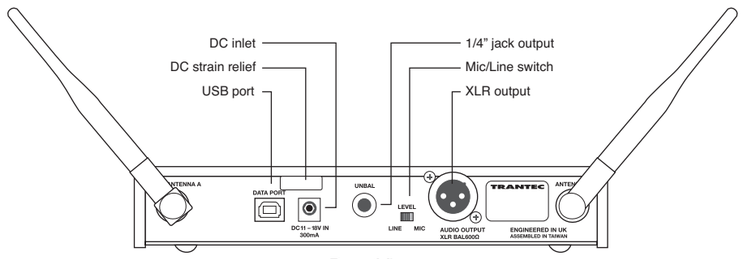
(*1)
0 dB = 1 V

Type	Frequency Range(*2)	AC Adapter(*3)
A1	692 - 722 MHz, UHF	120 V AC, 60 Hz
B2	740 - 752 MHz, UHF	–
C1	794 - 830 MHz, UHF	230 V AC, 50 Hz
D3	830 - 865 MHz, UHF	230 V AC, 50 Hz

NOMENCLATURE AND SET-UP



Front View



Rear View

1. Attach the supplied antennae (2) to the rear panel TNC antenna connectors as shown in above illustration.

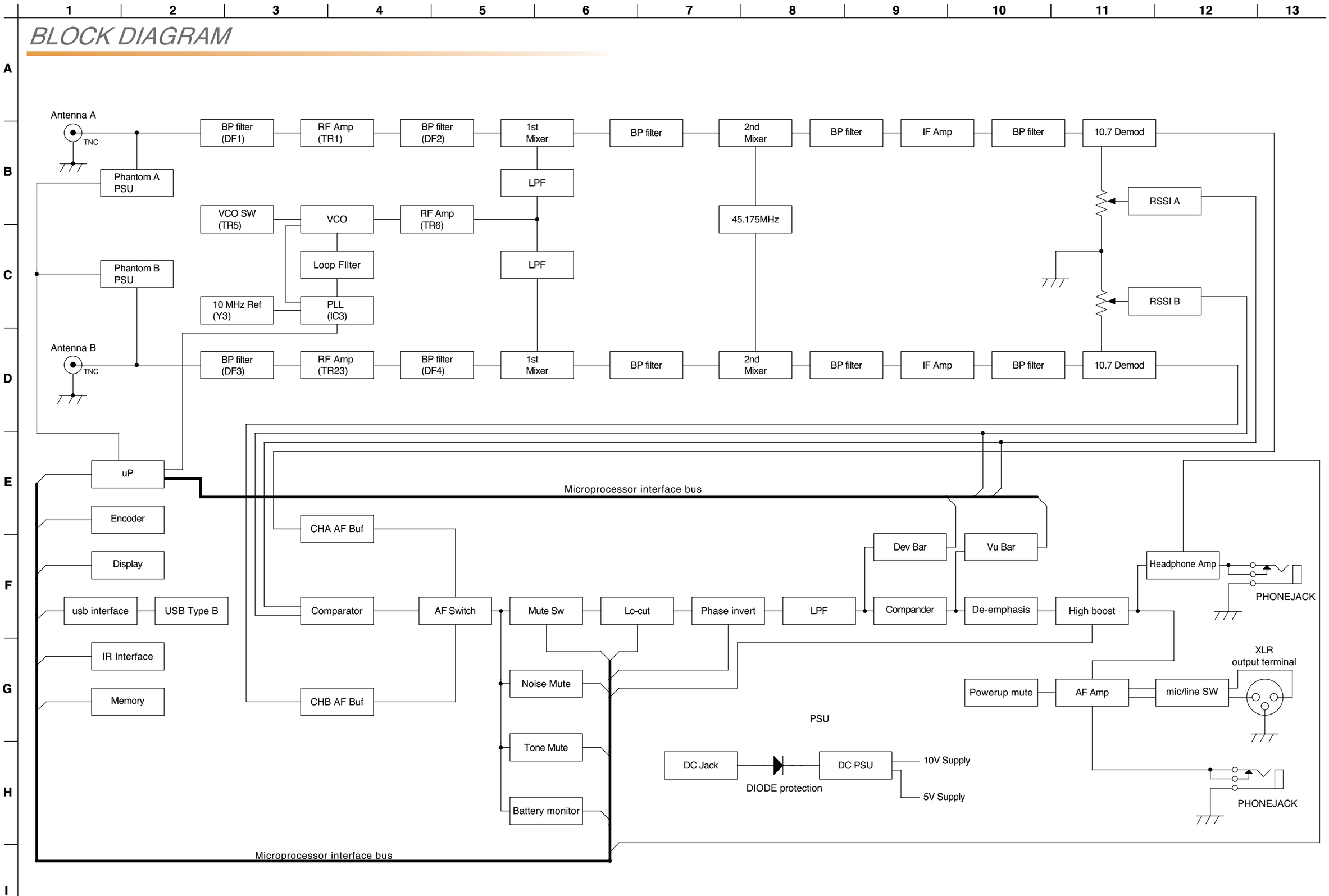
2. Connect the AC/DC adaptor into the DC inlet as marked on the rear panel using the attached cable strain relief. Observe the front panel on-off switch surround is illuminated red.

3. Connect the rear panel AF output from either the 1/4" Jack or XLR to your mixing console or amplifier.
   Note: the XLR balanced output can be switched for either mic or line. The system can be also monitored from the headphone socket using the "Jog-Wheel" to adjust Volume level.

4. Switch On-Off switch to "On" position and the receiver will default to initial setting as per illustration above. (BK1.01)

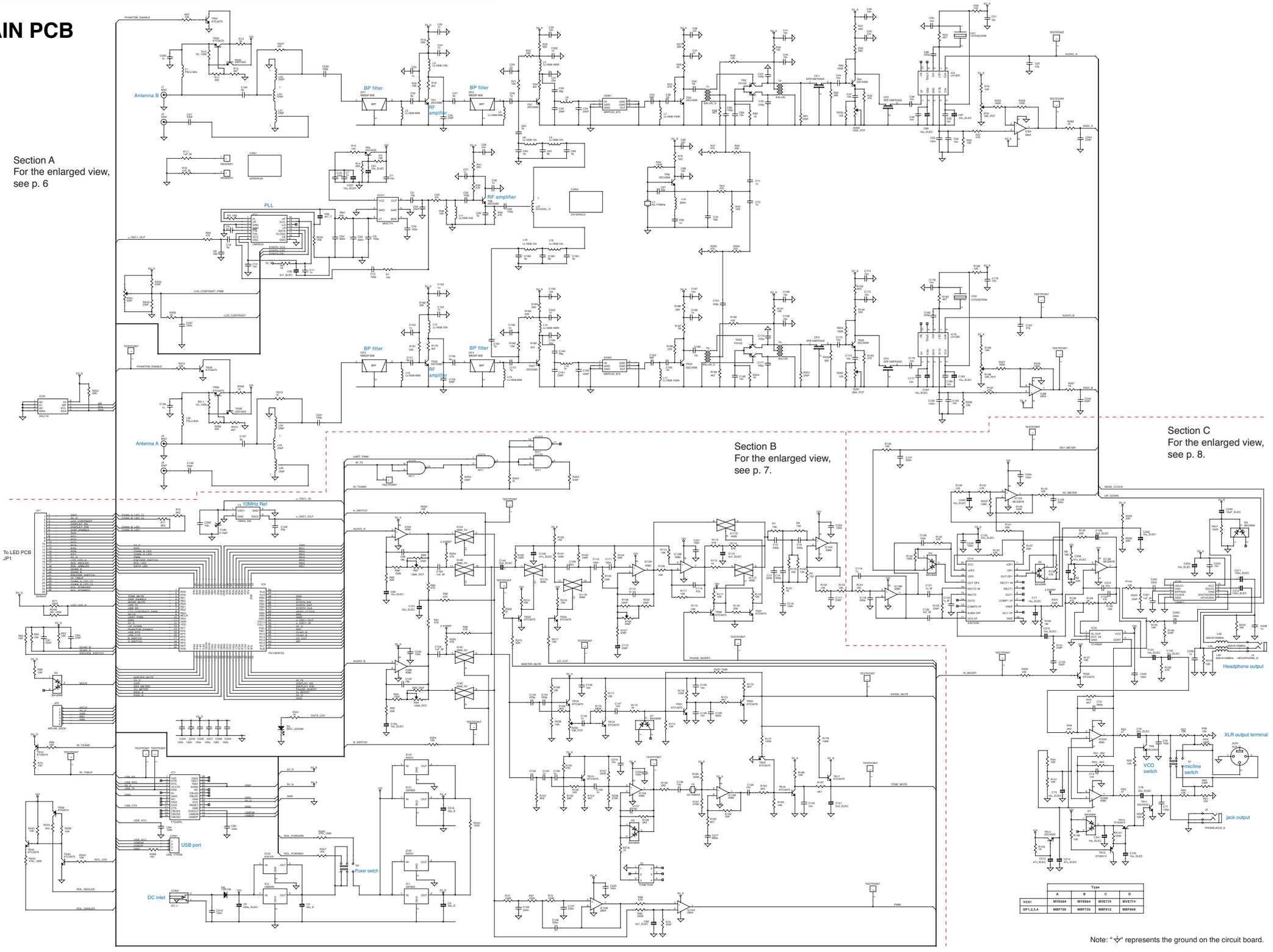
The system is now ready for use.

BLOCK DIAGRAM



SCHEMATIC DIAGRAMS

• MAIN PCB

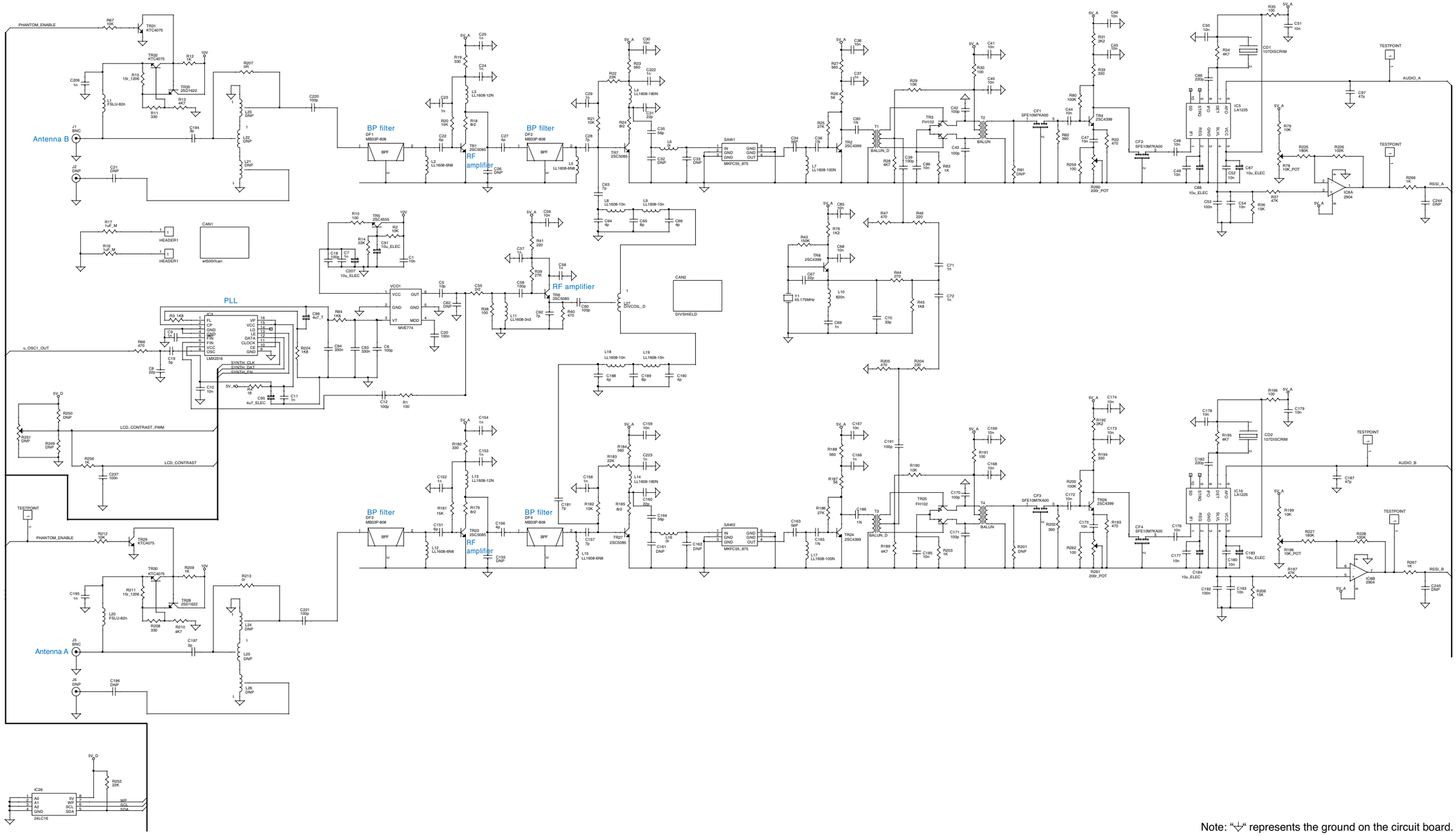


Note: "⏚" represents the ground on the circuit board.

1 2 3 4 5 6 7 8 9 10 11 12 13

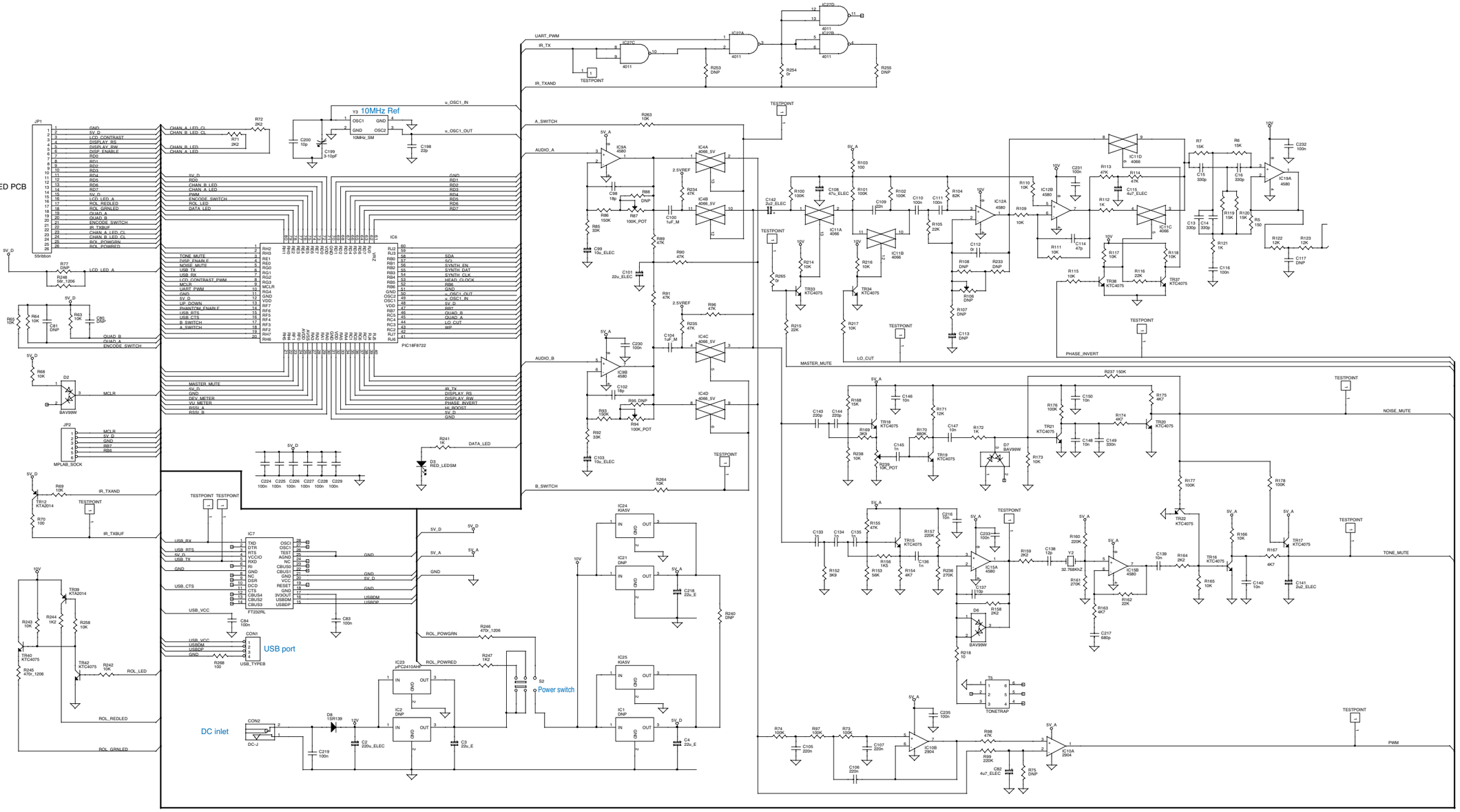
A B C D E F G H I

• MAIN PCB (Section A)



Note: "⏚" represents the ground on the circuit board.

• MAIN PCB (Section B)

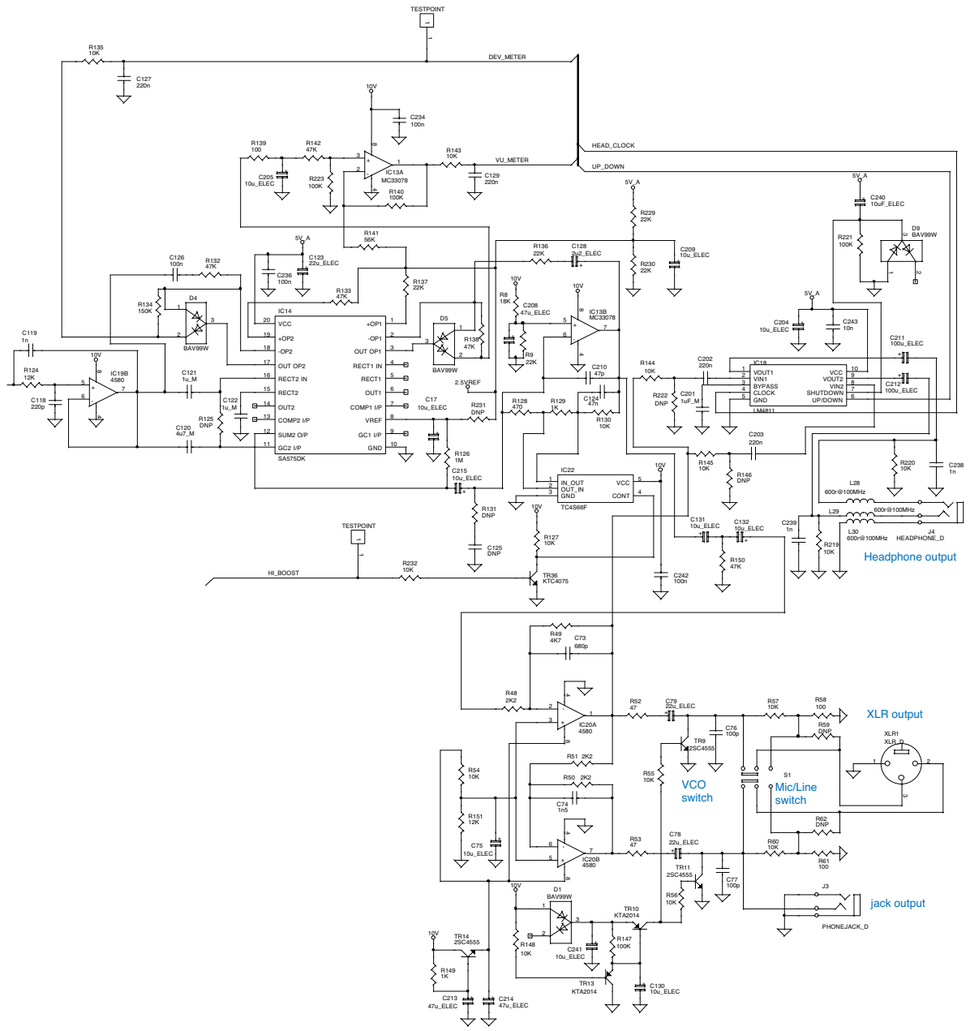


Note: "⏚" represents the ground on the circuit board.

1 2 3 4 5 6 7 8 9 10 11 12 13

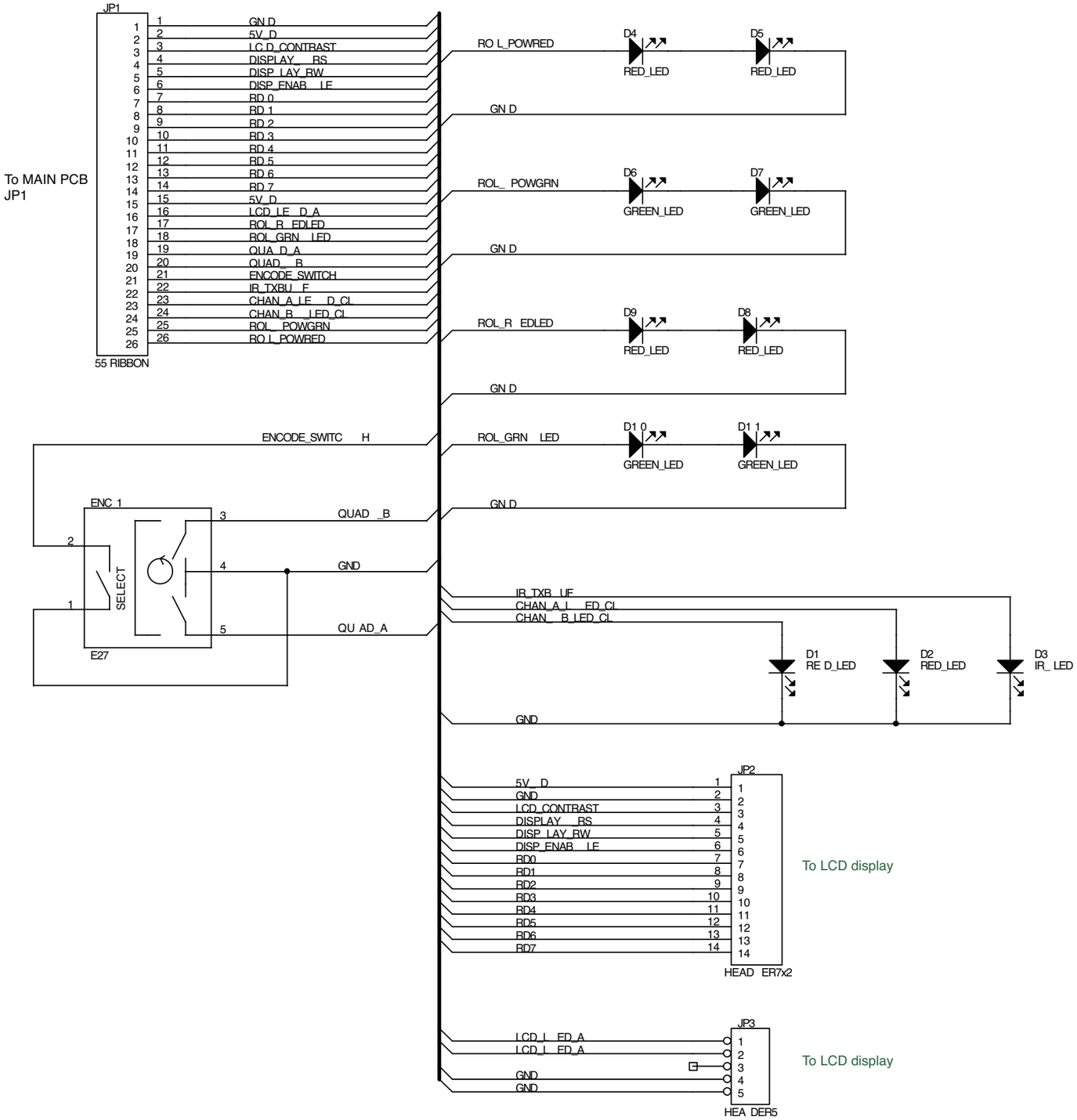
A B C D E F G H I

• MAIN PCB (Section C)



Note: "⏚" represents the ground on the circuit board.

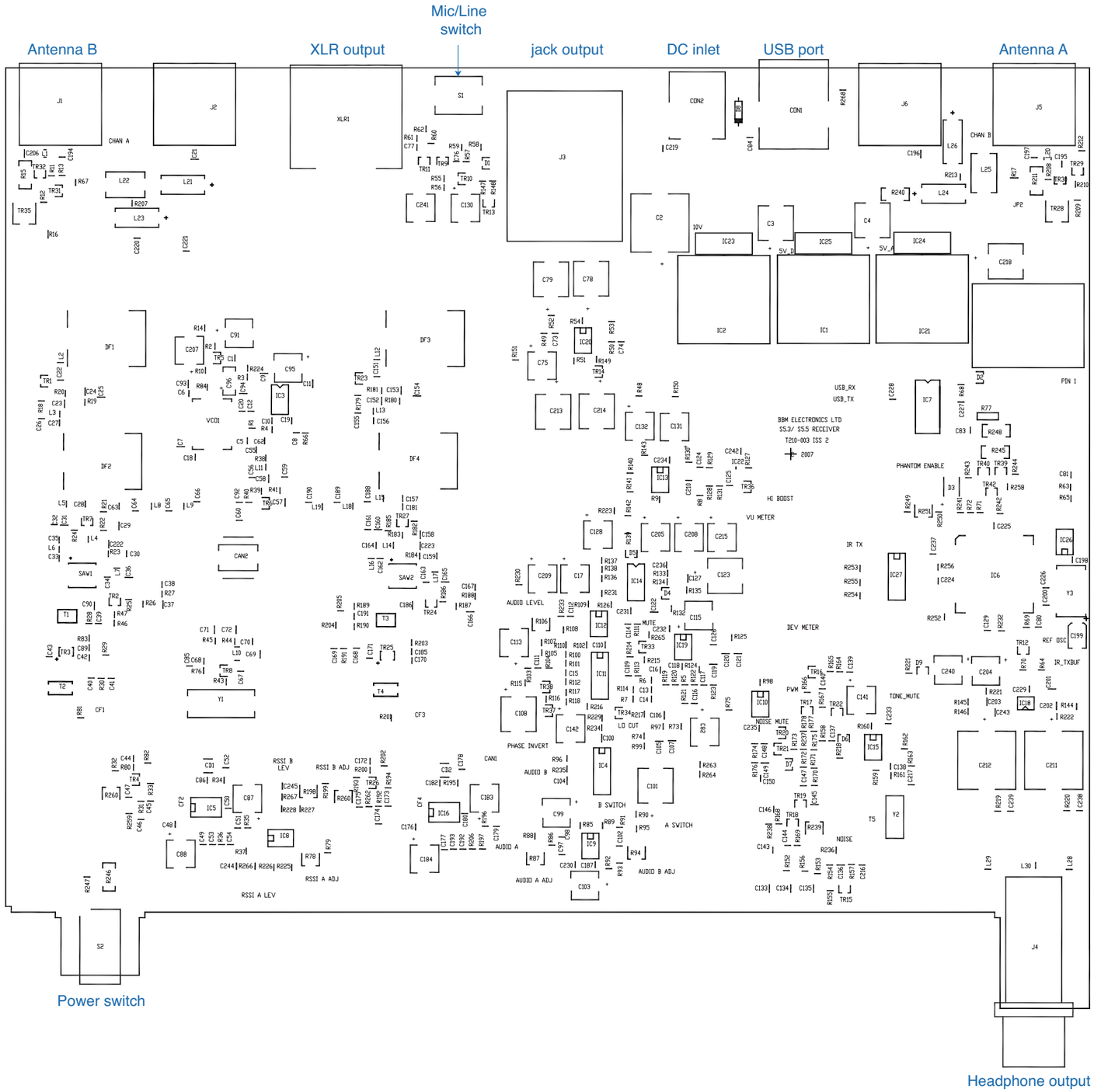
• LED PCB


JP1
1 GN D
2 5V_D
3 LC D_CONTRAST
4 DISPLAY__RS
5 DISP LAY_RW
6 DISP_ENAB__LE
7 RD 0
8 RD 1
9 RD 2
10 RD 3
11 RD 4
12 RD 5
13 RD 6
14 RD 7
15 5V_D
16 LCD_LE_D_A
17 ROL_R_EDLED
18 ROL_GRN__LED
19 QUA_D_A
20 QUAD_ B
21 ENCODE_SWITCH
22 IR_TXBU_F
23 CHAN_A LE_D_CL
24 CHAN_B__LED_CL
25 ROL_ POWGRN
26 RO L_POWRED
55 RIBBON
To MAIN PCB
JP1
RO L_POWRED
D4
RED_LED
D5
RED_LED
GN D
ROL_ POWGRN
D6
GREEN_LED
D7
GREEN_LED
GN D
ROL_R EDLED
D9
RED_LED
D8
RED_LED
GN D
ENCODE_SWITC H
ROL_GRN LED
D1 0
GREEN_LED
D1 1
GREEN_LED
GN D
ENC 1
3
QUAD _B
2
SELECT
4
GND
1
5
QU AD_A
E27
GN D
IR_TXB_UF
CHAN_A_L_ED_CL
CHAN_ B_LED_CL
D1
RE D_LED
D2
RED_LED
D3
IR_ LED
GND
JP2
5V_ D 1
GND 2
LCD_CONTRAST 3
DISPLAY__RS 4
DISP LAY_RW 5
DISP_ENAB__LE 6
RD0 7
RD1 8
RD2 9
RD3 10
RD4 11
RD5 12
RD6 13
RD7 14
HEAD ER7x2
To LCD display
JP3
LCD_L ED_A
LCD_L ED_A
GND
GND
HEA DER5
To LCD display

MOUNTING DIAGRAMS AND PARTS LIST

• MAIN PCB

Type	Part Code	Description
A1	Z3340	PCB ASSY, MAIN S55RX-A11
B2	Z3349	PCB ASSY, MAIN S55RX-B2
C1	Z3341	PCB ASSY, MAIN S55RX-C11
D3	Z3342	PCB ASSY, MAIN S55RX-D3



• PARTS LIST (MAIN PCB)

Designator	Part Code	Description
C1	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C2	113-32-981-6X	CAPACITOR, MVK 35VC 220M J10
C3	113-42-389-5X	CAPACITOR,MVJ35VC22MF F60
C4	113-42-389-5X	CAPACITOR,MVJ35VC22MF F60
C5	113-40-628-3X	CAPACITOR, U0603C100JNT
C6	113-40-640-5X	CAPACITOR,U0603C101JNT
C7	D13-40-032-6X	CAPACITOR,U0603C102JNT
C8	113-40-632-0X	CAPACITOR,U0603C220JNT
C9	D13-40-032-6X	CAPACITOR,U0603C102JNT
C10	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C11	D13-40-032-6X	CAPACITOR,U0603C102JNT
C12	113-40-640-5X	CAPACITOR,U0603C101JNT
C13	113-40-646-1X	CAPACITOR,U0603C331JNT
C14	113-40-646-1X	CAPACITOR,U0603C331JNT
C15	113-40-646-1X	CAPACITOR,U0603C331JNT
C16	113-40-646-1X	CAPACITOR,U0603C331JNT
C17	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C18	113-40-640-5X	CAPACITOR,U0603C101JNT
C19	113-40-623-8X	CAPACITOR,U0603C050CNT
C20	113-40-676-0X	CAPACITOR,B0603R104KNT
C21	---	DUMMY
C22	113-40-624-5X	CAPACITOR,U0603C060DNT
C23	D13-40-032-6X	CAPACITOR,U0603C102JNT
C24	D13-40-032-6X	CAPACITOR,U0603C102JNT
C25	D13-40-032-6X	CAPACITOR,U0603C102JNT
C26	---	DUMMY
C27	113-40-622-3X	CAPACITOR, U0603C040CNT
C28	113-40-625-4X	CAPACITOR, U0603C070DNT
C29	D13-40-032-6X	CAPACITOR,U0603C102JNT
C30	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C31	113-40-632-0X	CAPACITOR, U0603C220JNT
C32	---	DUMMY
C33	---	DUMMY
C34	113-40-637-5X	CAPACITOR, U0603C560JNT
C35	113-40-637-5X	CAPACITOR, U0603C560JNT
C36	D13-40-032-6X	CAPACITOR,U0603C102JNT
C37	D13-40-032-6X	CAPACITOR,U0603C102JNT
C38	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C39	113-40-640-5X	CAPACITOR,U0603C101JNT
C40	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C41	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C42	113-40-640-5X	CAPACITOR,U0603C101JNT
C43	113-40-640-5X	CAPACITOR,U0603C101JNT
C44	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C45	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C46	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C47	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C48	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C49	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C50	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C51	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C52	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C53	113-40-676-0X	CAPACITOR,B0603R104KNT
C54	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C55	112-80-305-8X	RESISTOR,1608 2.2OHM(J) TAPING
C56	113-40-640-5X	CAPACITOR,U0603C101JNT
C57	D13-40-032-6X	CAPACITOR,U0603C102JNT
C58	D13-40-032-6X	CAPACITOR,U0603C102JNT
C59	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C60	113-40-640-5X	CAPACITOR,U0603C101JNT
C62	---	DUMMY
C63	113-40-625-4X	CAPACITOR,U0603C070DNT
C64	113-40-622-3X	CAPACITOR,U0603C040CNT
C65	113-40-626-5X	CAPACITOR,U0603C080DNT
C66	113-40-622-3X	CAPACITOR,U0603C040CNT
C67	113-40-632-0X	CAPACITOR,U0603C220JNT
C68	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C69	D13-40-032-6X	CAPACITOR,U0603C102JNT
C70	113-40-634-2X	CAPACITOR,U0603C330JNT
C71	D13-40-032-6X	CAPACITOR,U0603C102JNT

* The parts not listed are not supplied.

Designator	Part Code	Description
C72	D13-40-032-6X	CAPACITOR,U0603C102JNT
C73	113-40-650-6X	CAPACITOR,U0603C681JNT
C74	113-40-654-2X	CAPACITOR,1608 50V1500PF X7R K
C75	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C76	113-40-640-5X	CAPACITOR,U0603C101JNT
C77	113-40-640-5X	CAPACITOR,U0603C101JNT
C78	113-32-979-9X	CAPACITOR,MVJ 16VC 22M E60
C79	113-32-979-9X	CAPACITOR,MVJ 16VC 22M E60
C80	---	DUMMY
C81	---	DUMMY
C82	113-32-977-7X	CAPACITOR,MVJ 35VC 4R7M D60
C83	113-40-676-0X	CAPACITOR,B0603R104KNT
C84	113-40-676-0X	CAPACITOR,B0603R104KNT
C85	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C86	113-40-644-1X	CAPACITOR,U0603C221JNT
C87	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C88	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C89	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C90	D13-40-032-6X	CAPACITOR,U0603C102JNT
C91	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C92	113-40-625-4X	CAPACITOR,U0603C070DNT
C93	113-40-615-9X	CAPACITOR,2125 16V 0.33M B(K)
C94	113-40-615-9X	CAPACITOR,2125 16V 0.33M B(K)
C95	113-32-977-7X	CAPACITOR,MVJ 35VC 4R7M D60
C96	113-13-434-4X	CAPACITOR 4.7MF 10V
C97	113-40-636-2X	CAPACITOR,1608 50V 47PF TAP
C98	113-40-631-7X	CAPACITOR,U0603C180JNT
C99	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C100	113-40-614-0X	CAPACITOR,2125 16V 1M B(K)
C101	113-32-979-9X	CAPACITOR,MVJ 16VC 22M E60
C102	113-40-631-7X	CAPACITOR,U0603C180JNT
C103	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C104	113-40-614-0X	CAPACITOR,2125 16V 1M B(K)
C105	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C106	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C107	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C108	113-32-980-5X	CAPACITOR,J 16VC 47M F60
C109	113-40-668-3X	CAPACITOR,1608 50V 22NF TAP
C110	113-40-676-0X	CAPACITOR,B0603R104KNT
C111	113-40-676-0X	CAPACITOR,B0603R104KNT
C112	112-80-300-3X	CHIP,JUMPER
C113	---	DUMMY
C114	113-40-636-2X	CAPACITOR,1608 50V 47PF TAP
C115	113-32-977-7X	CAPACITOR,MVJ 35VC 4R7M D60
C116	113-40-676-0X	CAPACITOR,B0603R104KNT
C117	---	DUMMY
C118	113-40-644-1X	CAPACITOR,U0603C221JNT
C119	D13-40-032-6X	CAPACITOR,U0603C102JNT
C120	113-40-685-6X	CAPACITOR,C 6.3V4.7MF B KT GL
C121	113-40-614-0X	CAPACITOR,2125 16V 1M B(K)
C122	113-40-614-0X	CAPACITOR,2125 16V 1M B(K)
C123	113-32-979-9X	CAPACITOR,MVJ 16VC 22M E60
C124	113-40-672-8X	CAPACITOR,B0603R473KNT
C125	---	DUMMY
C126	113-40-676-0X	CAPACITOR,B0603R104KNT
C127	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C128	113-32-976-4X	CAPACITOR,MVJ 50VC 2R2M D60
C129	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C130	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C131	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C132	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C133	D13-40-032-6X	CAPACITOR,U0603C102JNT
C134	D13-40-032-6X	CAPACITOR,U0603C102JNT
C135	D13-40-032-6X	CAPACITOR,U0603C102JNT
C136	D13-40-032-6X	CAPACITOR,U0603C102JNT
C137	113-40-628-3X	CAPACITOR,U0603C100JNT
C138	113-40-629-0X	CAPACITOR,U0603C120JNT
C139	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C140	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C141	113-32-976-4X	CAPACITOR,MVJ 50VC 2R2M D60

Designator	Part Code	Description
C142	113-32-976-4X	CAPACITOR,MVJ 50VC 2R2M D60
C143	113-40-644-1X	CAPACITOR,U0603C221JNT
C144	113-40-644-1X	CAPACITOR,U0603C221JNT
C145	D13-40-032-6X	CAPACITOR,U0603C102JNT
C146	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C147	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C148	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C149	113-40-615-9X	CAPACITOR,2125 16V 0.33M B(K)
C150	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C151	113-40-624-5X	CAPACITOR,U0603C060DNT
C152	D13-40-032-6X	CAPACITOR,U0603C102JNT
C153	D13-40-032-6X	CAPACITOR,U0603C102JNT
C154	D13-40-032-6X	CAPACITOR,U0603C102JNT
C155	---	DUMMY
C156	113-40-622-3X	CAPACITOR,U0603C040CNT
C157	113-40-625-4X	CAPACITOR,U0603C070DNT
C158	D13-40-032-6X	CAPACITOR,U0603C102JNT
C159	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C160	113-40-632-0X	CAPACITOR,U0603C220JNT
C161	---	DUMMY
C162	---	DUMMY
C163	113-40-637-5X	CAPACITOR,U0603C560JNT
C164	113-40-637-5X	CAPACITOR,U0603C560JNT
C165	D13-40-032-6X	CAPACITOR,U0603C102JNT
C166	D13-40-032-6X	CAPACITOR,U0603C102JNT
C167	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C168	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C169	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C170	113-40-640-5X	CAPACITOR,U0603C101JNT
C171	113-40-640-5X	CAPACITOR,U0603C101JNT
C172	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C173	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C174	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C175	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C176	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C177	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C178	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C179	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C180	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C181	113-40-625-4X	CAPACITOR,U0603C070DNT
C182	113-40-644-1X	CAPACITOR,U0603C221JNT
C183	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C184	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C185	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C186	D13-40-032-6X	CAPACITOR,U0603C102JNT
C187	113-40-636-2X	CAPACITOR,1608 50V 47PF TAP
C188	113-40-622-3X	CAPACITOR,U0603C040CNT
C189	113-40-626-5X	CAPACITOR,U0603C080DNT
C190	113-40-622-3X	CAPACITOR,U0603C040CNT
C191	113-40-640-5X	CAPACITOR,U0603C101JNT
C192	113-40-676-0X	CAPACITOR,B0603R104KNT
C193	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP
C194	113-40-621-0X	CAPACITOR,U0603C030CNT
C195	D13-40-032-6X	CAPACITOR,U0603C102JNT
C196	---	DUMMY
C197	113-40-621-0X	CAPACITOR,U0603C030CNT
C198	113-40-632-0X	CAPACITOR,U0603C220JNT
C199	113-21-075-0X	CAPACITOR,TZC03R100A110T T
C200	113-40-628-3X	CAPACITOR,U0603C100JNT
C201	113-40-614-0X	CAPACITOR,2125 16V 1M B(K)
C202	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C203	D13-40-036-8X	CAPACITOR, 16V0.22UF±10%
C204	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C205	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C206	D13-40-032-6X	CAPACITOR,U0603C102JNT
C207	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C208	113-32-980-5X	CAPACITOR,J 16VC 47M F60
C209	113-32-978-2X	CAPACITOR,J 16VC 10M D60
C210	113-40-636-2X	CAPACITOR,1608 50V 47PF TAP
C211	113-32-984-1X	CAPACITOR,K 25VC 100M H10

Designator	Part Code	Description	
C212	113-32-984-1X	CAPACITOR,K 25VC 100M H10	
C213	113-32-980-5X	CAPACITOR,J 16VC 47M F60	
C214	113-32-980-5X	CAPACITOR,J 16VC 47M F60	
C215	113-32-978-2X	CAPACITOR,J 16VC 10M D60	
C216	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP	
C217	113-40-650-6X	CAPACITOR,U0603C681JNT	
C218	113-42-389-5X	CAPACITOR,MVJ35VC22MF F60	
C219	113-40-676-0X	CAPACITOR,B0603R104KNT	
C220	113-40-640-5X	CAPACITOR,U0603C101JNT	
C221	113-40-640-5X	CAPACITOR,U0603C101JNT	
C222	D13-40-032-6X	CAPACITOR,U0603C102JNT	
C223	D13-40-032-6X	CAPACITOR,U0603C102JNT	
C224	113-40-676-0X	CAPACITOR,B0603R104KNT	
C225	113-40-676-0X	CAPACITOR,B0603R104KNT	
C226	113-40-676-0X	CAPACITOR,B0603R104KNT	
C227	113-40-676-0X	CAPACITOR,B0603R104KNT	
C228	113-40-676-0X	CAPACITOR,B0603R104KNT	
C229	113-40-676-0X	CAPACITOR,B0603R104KNT	
C230	113-40-676-0X	CAPACITOR,B0603R104KNT	
C231	113-40-676-0X	CAPACITOR,B0603R104KNT	
C232	113-40-676-0X	CAPACITOR,B0603R104KNT	
C233	113-40-676-0X	CAPACITOR,B0603R104KNT	
C234	113-40-676-0X	CAPACITOR,B0603R104KNT	
C235	113-40-676-0X	CAPACITOR,B0603R104KNT	
C236	113-40-676-0X	CAPACITOR,B0603R104KNT	
C237	113-40-676-0X	CAPACITOR,B0603R104KNT	
C238	D13-40-032-6X	CAPACITOR,U0603C102JNT	
C239	D13-40-032-6X	CAPACITOR,U0603C102JNT	
C240	113-32-978-2X	CAPACITOR,J 16VC 10M D60	
C241	113-32-978-2X	CAPACITOR,J 16VC 10M D60	
C242	113-40-676-0X	CAPACITOR,B0603R104KNT	
C243	113-40-664-5X	CAPACITOR,1608 50V 10NF TAP	
C244	---	DUMMY	
C245	---	DUMMY	
CAN2	102-08-307-50	CASE, SHIELD WT5800	
CD1	D15-44-006-1X	FILTER, CDSCB10M7GF108-R0	
CD2	D15-44-006-1X	FILTER, CDSCB10M7GF108-R0	
CF1	115-44-447-6X	FILTER, SFECV10M7KA00-R0	
CF2	115-44-447-6X	FILTER, SFECV10M7KA00-R0	
CF3	115-44-447-6X	FILTER, SFECV10M7KA00-R0	
CF4	115-44-447-6X	FILTER, SFECV10M7KA00-R0	
CON1	D23-02-001-10	CONNECTOR, USB UB-004-B	
CON2	123-05-329-30	SOCKET,HTJ-020-05AZ	
D1	D11-03-017-0X	DIODE, BAV99W SOT-323	
D2	D11-03-017-0X	DIODE, BAV99W SOT-323	
D3	111-08-331-2X	DIODE, 67-21 USOC(ORG)	
D4	D11-03-017-0X	DIODE, BAV99W SOT-323	
D5	D11-03-017-0X	DIODE, BAV99W SOT-323	
D6	D11-03-017-0X	DIODE, BAV99W SOT-323	
D7	D11-03-017-0X	DIODE, BAV99W SOT-323	
D8	111-23-107-4T	DIODE, 1SR139-400 T-32 TAPING	
D9	D11-03-017-0X	DIODE, BAV99W SOT-323	
DF1	115-44-458-2X	FILTER, MBF-705-30 TAPING	← A1 Type
DF1	115-44-459-9X	FILTER, MBF-735-30 TAPING	← B2 Type
DF1	115-44-460-1X	FILTER, MBF-812-36 TAPING	← C1 Type
DF1	115-44-461-2X	FILTER, MBF-848-36 TAPING	← D3 Type
DF2	115-44-458-2X	FILTER, MBF-705-30 TAPING	← A1 Type
DF2	115-44-459-9X	FILTER, MBF-735-30 TAPING	← B2 Type
DF2	115-44-460-1X	FILTER, MBF-812-36 TAPING	← C1 Type
DF2	115-44-461-2X	FILTER, MBF-848-36 TAPING	← D3 Type
DF3	115-44-458-2X	FILTER, MBF-705-30 TAPING	← A1 Type
DF3	115-44-459-9X	FILTER, MBF-735-30 TAPING	← B2 Type
DF3	115-44-460-1X	FILTER, MBF-812-36 TAPING	← C1 Type
DF3	115-44-461-2X	FILTER, MBF-848-36 TAPING	← D3 Type
DF4	115-44-458-2X	FILTER, MBF-705-30 TAPING	← A1 Type
DF4	115-44-459-9X	FILTER, MBF-735-30 TAPING	← B2 Type
DF4	115-44-460-1X	FILTER, MBF-812-36 TAPING	← C1 Type
DF4	115-44-461-2X	FILTER, MBF-848-36 TAPING	← D3 Type
IC1	---	DUMMY	
IC2	---	DUMMY	

* The parts not listed are not supplied.

Designator	Part Code	Description
IC3	111-31-428-5X	IC,LMX2316TM
IC4	111-06-868-5X	IC, NJU4066BM
IC5	111-06-873-5X	IC,LA1225M T
IC6	D11-11-015-1X	IC PIC18F8722-I/PT(S5.3RX)
IC7	D11-06-080-5X	IC, FT232RL
IC8	111-26-118-9X	IC,LM2904DR TAPING
IC9	111-26-108-6X	IC,OPE-AMP RC4580IDR
IC10	111-26-118-9X	IC,LM2904DR TAPING
IC11	111-06-868-5X	IC, NJU4066BM
IC12	111-26-108-6X	IC,OPE-AMP RC4580IDR
IC13	711-41-001-10	IC, MC33078
IC14	111-06-825-6X	IC, SA575DK TE2
IC15	111-26-108-6X	IC,OPE-AMP RC4580IDR
IC16	111-06-873-5X	IC,LA1225M T
IC18	D11-06-077-7X	IC, LM4811MM
IC19	111-26-108-6X	IC,OPE-AMP RC4580IDR
IC20	111-26-108-6X	IC,OPE-AMP RC4580IDR
IC21	---	DUMMY
IC22	111-11-461-0X	IC, TC4S66F CMOS
IC23	111-06-777-20	IC, UPC2410AHF
IC24	111-06-911-20	IC,KIA7805A
IC25	111-06-911-20	IC,KIA7805A
IC26	111-11-954-7X	IC,24LC16BT/SN
IC27	D11-06-082-9X	IC, 4011BFN CMOS
J1	D23-03-031-10	CONNECTOR, 5TR-01321 TNC BLK
J2	---	DUMMY
J3	D23-03-020-30	JACK, PHONE, SC J638P30DS0BP0
J4	D23-03-032-40	JACK, PHONE, RHJ-234-S6.3
J5	D23-03-031-10	CONNECTOR, 5TR-01321 TNC BLK
J6	---	DUMMY
JP1	D23-36-005-2X	CONNECTOR, 26FMN-BMTTN-A-TF
JP2	D23-36-006-30	CONNECTOR, 8948-H66/06BFA
L1	D14-19-035-2X	COIL, NLV25T-082J-PF
L2	114-19-699-6X	COIL,LL1608-F6N8K TAPING
L3	114-19-702-1X	COIL,LL1608-F12NK TAPING
L4	114-19-891-0X	COIL,LQW1608AR18G00T1
L5	114-19-699-6X	COIL,LL1608-F6N8K TAPING
L6	112-80-300-3X	CHIP,JUMPER
L7	114-19-774-6X	COIL,LL1608-FHR10J
L8	114-19-701-8X	COIL,LL1608-F10N TAPING
L9	114-19-701-8X	COIL,LL1608-F10N TAPING
L10	114-19-745-6X	COIL,NL252018T-R82J TAPING
L11	114-19-821-9X	COIL,LL1608-FS3N3J
L12	114-19-699-6X	COIL,LL1608-F6N8K TAPING
L13	114-19-702-1X	COIL,LL1608-F12NK TAPING
L14	114-19-891-0X	COIL,LQW1608AR18G00T1
L15	114-19-699-6X	COIL,LL1608-F6N8K TAPING
L16	112-80-300-3X	CHIP,JUMPER
L17	114-19-774-6X	COIL,LL1608-FHR10J
L18	114-19-701-8X	COIL,LL1608-F10N TAPING
L19	114-19-701-8X	COIL,LL1608-F10N TAPING
L20	D14-19-035-2X	COIL, NLV25T-082J-PF
L21	---	DUMMY
L22	---	DUMMY
L23	---	DUMMY
L24	---	DUMMY
L25	---	DUMMY
L26	---	DUMMY
L27	114-19-847-30	COIL, BLRH3.5*6*0.8-1T:3T-H5B
L28	115-44-406-9X	FILTER,BLM18AG601SN1D TAPING
L29	115-44-406-9X	FILTER,BLM18AG601SN1D TAPING
L30	115-44-406-9X	FILTER,BLM18AG601SN1D TAPING
R1	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R2	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R3	112-80-367-0X	RESISTOR 1.8K OHM
R4	112-80-319-7X	RESISTOR, 1608 18-OHM
R5	112-80-341-8X	RESISTOR, 150 OHM
R6	112-80-389-4X	RESISTOR, 15K OHM
R7	112-80-389-4X	RESISTOR, 15K OHM
R8	112-80-391-3X	RESISTOR 18K OHM 5%3/100

Designator	Part Code	Description
R9	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R10	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R11	112-80-349-8X	RESISTOR,330 OHM 5%3/100
R12	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R13	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R14	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R15	D12-80-009-1X	RESISTOR,15 OHM 1/4W
R16	113-40-614-0X	CAPACITOR, 2125 16V 1M B(K)
R17	113-40-614-0X	CAPACITOR,2125 16V 1M B(K)
R18	112-80-312-0X	RESISTOR, 1608 8.2OHM(J) T
R19	112-80-349-8X	RESISTOR,330 OHM 5%3/100
R20	112-80-389-4X	RESISTOR, 15K OHM
R21	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R22	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R23	112-80-355-3X	RESISTOR,560 OHM 5%3/100
R24	112-80-312-0X	RESISTOR, 1608 8.2OHM(J) T
R25	112-80-395-7X	RESISTOR 27K OHM 5%3/100
R26	112-80-331-9X	RESISTOR, 56 OHM
R27	112-80-355-3X	RESISTOR,560 OHM 5%3/100
R28	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R29	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R30	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R31	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R32	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R33	112-80-349-8X	RESISTOR,330 OHM 5%3/100
R34	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R35	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R36	112-80-389-4X	RESISTOR, 15K OHM
R37	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R38	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R39	112-80-395-7X	RESISTOR 27K OHM 5%3/100
R40	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R41	112-80-345-2X	RESISTOR,220 OHM 5%3/100
R42	---	DUMMY
R43	112-80-413-0X	RESISTOR 150K OHM 5%3/100
R44	112-80-347-6X	RESISTOR 270 OHM 5%3/100
R45	112-80-367-0X	RESISTOR 1.8K OHM
R46	112-80-345-2X	RESISTOR,220 OHM 5%3/100
R47	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R48	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R49	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R50	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R51	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R52	112-80-329-2X	RESISTOR,47 OHM 5%
R53	112-80-329-2X	RESISTOR,47 OHM 5%
R54	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R55	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R56	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R57	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R58	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R59	---	DUMMY
R60	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R61	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R62	---	DUMMY
R63	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R64	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R65	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R66	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R67	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R68	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R69	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R70	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R71	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R72	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R73	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R74	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R75	----	DUMMY
R76	112-80-363-0X	RESISTOR,1608 1.2K(J) TAPING
R77	---	DUMMY
R78	112-06-686-6X	POT., 10K OHM (B)

Designator	Part Code	Description
R79	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R80	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R81	---	DUMMY
R82	112-80-351-9X	RESISTOR 390 OHM 5%3/100
R83	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R84	112-80-367-0X	RESISTOR 1.8K OHM
R85	112-80-397-1X	RESISTOR, 33K OHM 5%3/100
R86	112-80-413-0X	RESISTOR 150K OHM 5%3/100
R87	112-06-883-3X	POT., PVZ3A104C01R00
R88	---	DUMMY
R89	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R90	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R91	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R92	112-80-397-1X	RESISTOR, 33K OHM 5%3/100
R93	112-80-413-0X	RESISTOR 150K OHM 5%3/100
R94	112-06-883-3X	POT., PVZ3A104C01R00
R95	---	DUMMY
R96	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R97	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R98	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R99	112-80-417-0X	RESISTOR 220K OHM 5%3/100
R100	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R101	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R102	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R103	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R104	112-80-407-7X	RESISTOR 82K OHM 5%3/100
R105	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R106	---	DUMMY
R107	---	DUMMY
R108	---	DUMMY
R109	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R110	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R111	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R112	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R113	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R114	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R115	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R116	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R117	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R118	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R119	112-80-389-4X	RESISTOR, 15K OHM
R120	112-80-389-4X	RESISTOR, 15K OHM
R121	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R122	112-80-387-2X	RESISTOR 12K OHM 5%
R123	112-80-387-2X	RESISTOR 12K OHM 5%
R124	112-80-387-2X	RESISTOR 12K OHM 5%
R125	---	DUMMY
R126	112-80-433-2X	RESISTOR, 1M OHM 5%3/100
R127	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R128	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R129	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R130	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R131	---	DUMMY
R132	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R133	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R134	112-80-413-0X	RESISTOR 150K OHM 5%3/100
R135	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R136	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R137	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R138	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R139	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R140	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R141	112-80-403-7X	RESISTOR, 56K OHM
R142	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R143	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R144	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R145	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R146	---	DUMMY
R147	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R148	112-80-385-8X	RESISTOR, 10K OHM 5%3/100

* The parts not listed are not supplied.

Designator	Part Code	Description
R149	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R150	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R151	112-80-387-2X	RESISTOR 12K OHM 5%
R152	112-80-375-1X	RESISTOR, 3.9K OHM 5%3/100
R153	112-80-403-7X	RESISTOR, 56K OHM
R154	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R155	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R156	112-80-365-6X	RESISTOR 1.5K OHM 5%3/100
R157	112-80-417-0X	RESISTOR 220K OHM 5%3/100
R158	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R159	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R160	112-80-417-0X	RESISTOR 220K OHM 5%3/100
R161	112-80-419-2X	RESIST0R, 270K OHM
R162	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R163	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R164	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R165	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R166	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R167	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R168	112-80-389-4X	RESISTOR, 15K OHM
R169	112-80-375-1X	RESISTOR, 3.9K OHM 5%3/100
R170	112-80-429-7X	RESISTOR 680K OHM 5%
R171	112-80-387-2X	RESISTOR 12K OHM 5%
R172	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R173	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R174	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R175	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R176	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R177	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R178	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R179	112-80-312-0X	RESISTOR, 1608 8.2OHM(J) T
R180	112-80-349-8X	RESISTOR,330 OHM 5%3/100
R181	112-80-389-4X	RESISTOR, 15K OHM
R182	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R183	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R184	112-80-355-3X	RESISTOR,560 OHM 5%3/100
R185	112-80-312-0X	RESISTOR, 1608 8.2OHM(J) T
R186	112-80-395-7X	RESISTOR 27K OHM 5%3/100
R187	112-80-331-9X	RESISTOR, 56 OHM
R188	112-80-355-3X	RESISTOR,560 OHM 5%3/100
R189	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R190	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R191	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R192	112-80-369-2X	RESISTOR, 2.2K OHM 5%3/100
R193	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R194	112-80-349-8X	RESISTOR,330 OHM 5%3/100
R195	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R196	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R197	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R198	112-06-686-6X	POT., 10K OHM (B)
R199	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R200	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R201	---	DUMMY
R202	112-80-351-9X	RESISTOR 390 OHM 5%3/100
R203	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R204	112-80-345-2X	RESISTOR,220 OHM 5%3/100
R205	112-80-353-7X	RESISTOR,470 OHM 5%3/100
R206	112-80-389-4X	RESISTOR, 15K OHM
R207	112-80-300-3X	CHIP,JUMPER
R208	112-80-349-8X	RESISTOR,330 OHM 5%3/100
R209	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R210	112-80-377-5X	RESISTOR, 4.7K OHM 5%3/100
R211	D12-80-009-1X	RESISTOR,15 OHM 1/4W
R212	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R213	112-80-300-3X	CHIP,JUMPER
R214	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R215	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R216	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R217	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R218	112-80-313-5X	RESISTOR 10 OHM 5%

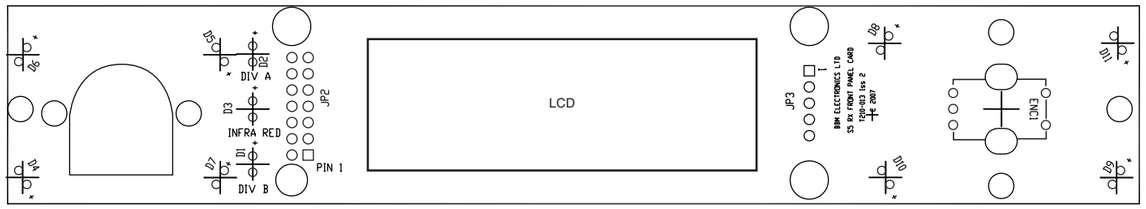
Designator	Part Code	Description
R219	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R220	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R221	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R222	---	DUMMY
R223	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R224	112-80-367-0X	RESISTOR 1.8K OHM
R225	112-80-415-6X	RESISTOR 180K OHM 5%3/100
R226	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R227	112-80-415-6X	RESISTOR 180K OHM 5%3/100
R228	112-80-409-9X	RESISTOR, 100K OHM 5%3/100
R229	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R230	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R231	---	DUMMY
R232	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R233	---	DUMMY
R234	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R235	112-80-401-9X	RESISTOR, 47K OHM 5%3/100
R236	112-80-419-2X	RESIST0R, 270K OHM
R237	112-80-413-0X	RESISTOR 150K OHM 5%3/100
R238	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R239	112-06-686-6X	POT., 10K OHM (B)
R240	---	DUMMY
R241	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R242	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R243	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R244	112-80-363-0X	RESISTOR,1608 1.2K(J) TAPING
R245	D12-80-011-4X	RESISTOR,15 OHM 1/6W
R246	D12-80-011-4X	RESISTOR,15 OHM 1/6W
R247	112-80-363-0X	RESISTOR,1608 1.2K(J) TAPING
R248	D12-80-010-3X	RESISTOR,15 OHM 1/5W
R249	---	DUMMY
R250	---	DUMMY
R251	---	DUMMY
R252	112-80-393-1X	RESISTOR, 22K OHM 5%3/100
R253	---	DUMMY
R254	112-80-300-3X	CHIP,JUMPER
R255	---	DUMMY
R256	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R257	---	DUMMY
R258	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R259	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R260	---	DUMMY
R261	---	DUMMY
R262	112-80-337-7X	RESISTOR,100 OHM 5%3/100
R263	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R264	112-80-385-8X	RESISTOR, 10K OHM 5%3/100
R265	112-80-300-3X	CHIP,JUMPER
R266	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R267	112-80-361-2X	RESISTOR,1K OHM 5%3/100
R268	112-80-337-7X	RESISTOR,100 OHM 5%3/100
S1	D15-12-009-30	SWITCH,SV69010F-0202-4V-NP
S2	115-14-468-40	SWITCH, SP70030-0202-13F1-01NN
SAW1	115-44-392-1X	FILTER, MKFC55.87MCB400P
SAW2	115-44-392-1X	FILTER, MKFC55.87MCB400P
T1	114-06-029-3X	COIL,617PT-1019=P3
T2	114-11-074-1X	COIL, WTU1800 IF COIL,2 T
T3	114-06-029-3X	COIL,617PT-1019=P3
T4	114-11-074-1X	COIL, WTU1800 IF COIL,2 T
T5	114-11-076-1X	COIL, TONE WTU1800
TR1	111-02-444-1X	TRANSISTOR,2SC5085(Y)
TR2	111-02-402-5X	TRANSISTOR,2SC4399(5)-TL
TR3	111-02-530-3X	TRANSISTOR,FH102A-TR-E
TR4	111-02-402-5X	TRANSISTOR,2SC4399(5)-TL
TR5	111-02-377-8X	TRANSISTOR, 2SC4555
TR6	111-02-444-1X	TRANSISTOR,2SC5085(Y)
TR7	111-02-444-1X	TRANSISTOR,2SC5085(Y)
TR8	111-02-402-5X	TRANSISTOR,2SC4399(5)-TL
TR9	111-02-377-8X	TRANSISTOR, 2SC4555
TR10	111-01-255-0X	TRANSISTOR,KTA2014(GR)
TR11	111-02-377-8X	TRANSISTOR, 2SC4555

Designator	Part Code	Description	
TR12	111-01-255-0X	TRANSISTOR,KTA2014(GR)	
TR13	111-01-255-0X	TRANSISTOR,KTA2014(GR)	
TR14	111-02-377-8X	TRANSISTOR, 2SC4555	
TR15	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR16	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR17	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR18	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR19	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR20	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR21	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR22	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR23	111-02-444-1X	TRANSISTOR,2SC5085(Y)	
TR24	111-02-402-5X	TRANSISTOR,2SC4399(5)-TL	
TR25	111-02-530-3X	TRANSISTOR,FH102A-TR-E	
TR26	111-02-402-5X	TRANSISTOR,2SC4399(5)-TL	
TR27	111-02-444-1X	TRANSISTOR,2SC5085(Y)	
TR28	111-02-286-9X	TRANSISTOR, 2SD1622(S) *	
TR29	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR30	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR31	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR32	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR33	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR34	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR35	111-02-286-9X	TRANSISTOR, 2SD1622(S) *	
TR36	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR37	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR38	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR39	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
TR40	111-01-255-0X	TRANSISTOR,KTA2014(GR)	
TR41	---	DUMMY	
TR42	111-02-450-6X	TRANSISTOR, KTC4075(GR) T	
VCO1	115-46-186-0X	MVE-664-50 TAPING	← A1, B2 Type
VCO1	115-46-187-3X	MVE-774-50 TAPING	← C1, D3 Type
XLR1	123-01-100-60	CONNECTOR, 99M-108SP1	
Y1	115-46-109-5X	X-TAL,SD3 45.175MHZ	
Y2	115-45-380-70	X-TAL, DT-26S 32.768KHZ	
Y3	D15-45-007-3X	X-TAL,MET11-10.000MHZ	

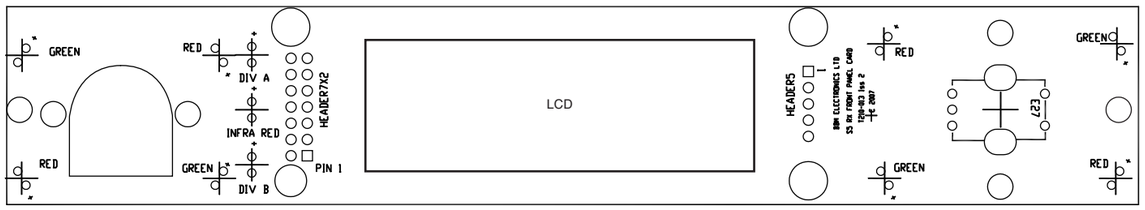
* The parts not listed are not supplied.

• LED PCB (Part code : Z3172)

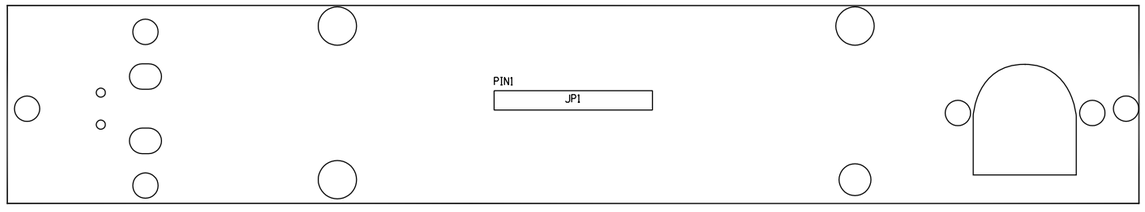
Silk screen drawing (Viewed from parts mounting side)



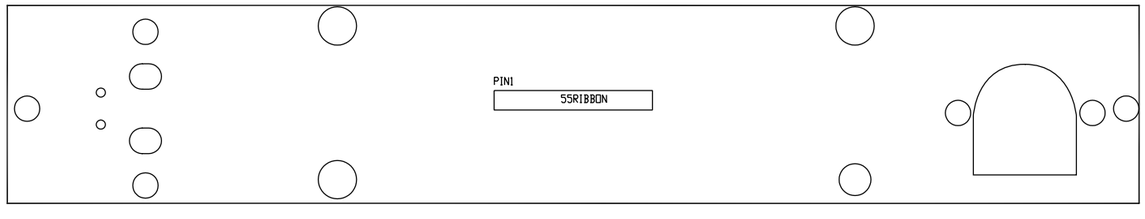
Parts layout drawing (Viewed from parts mounting side)



Silk screen drawing (Viewed from Conductor side)



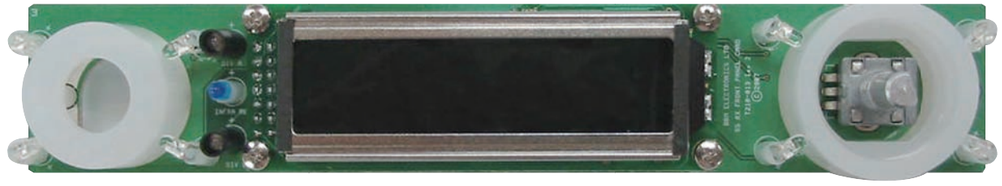
Parts layout drawing (Viewed from Conductor side)



• PARTS LIST (LED PCB)

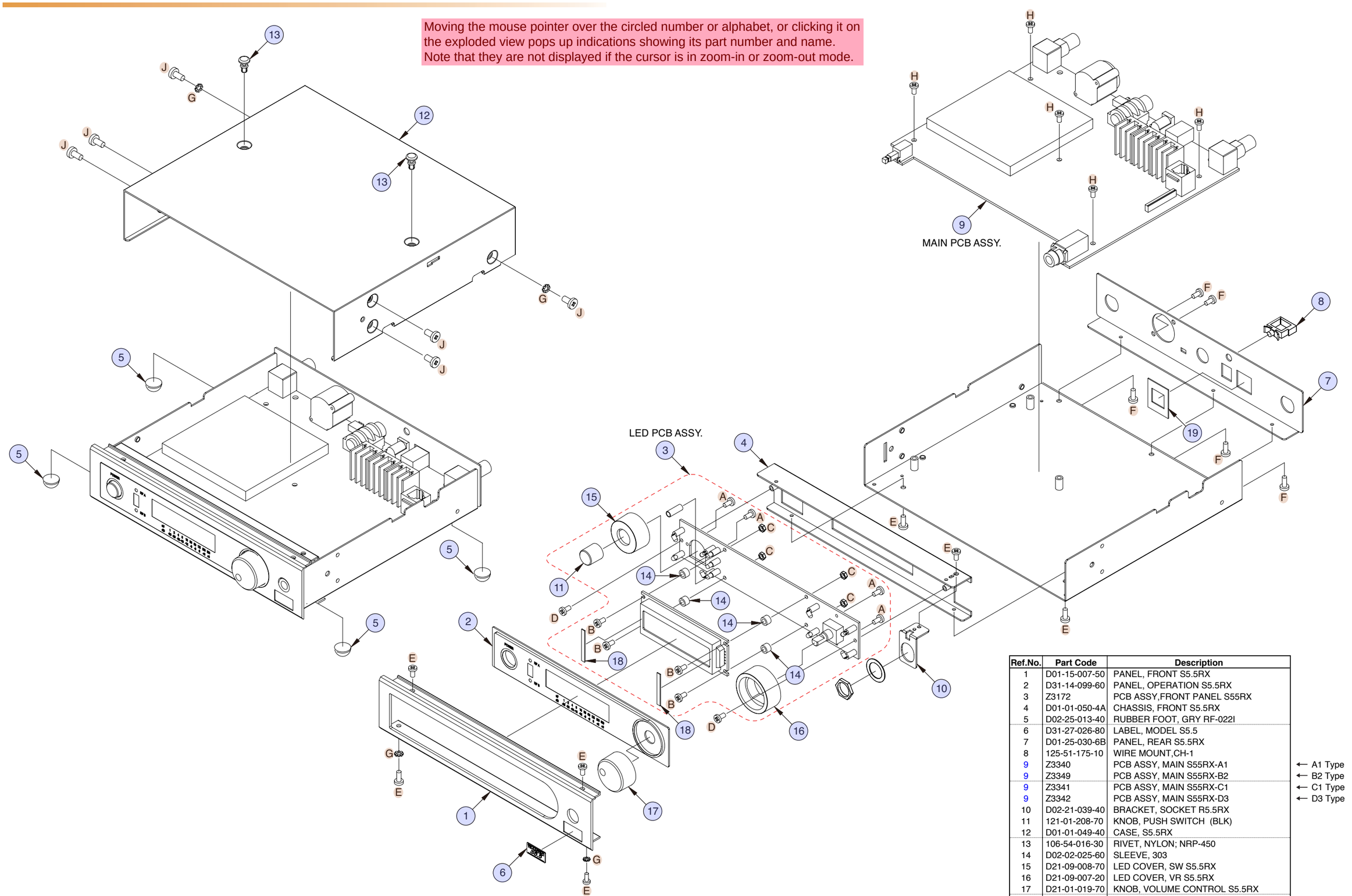
Designator	Part Code	Description
D1	D11-08-042-10	LED, L-934SRC-G(RED)
D2	D11-08-042-10	LED, L-934SRC-G(RED)
D3	D17-04-005-60	LED, TSUS4300
D4	D11-08-042-10	LED, L-934SRC-G(RED)
D5	D11-08-042-10	LED, L-934SRC-G(RED)
D6	D11-08-041-80	LED, L-934CGCK(GRN)
D7	D11-08-041-80	LED, L-934CGCK(GRN)
D8	D11-08-042-10	LED, L-934SRC-G(RED)
D9	D11-08-042-10	LED, L-934SRC-G(RED)
D10	D11-08-041-80	LED, L-934CGCK(GRN)
D11	D11-08-041-80	LED, L-934CGCK(GRN)
ENC1	D12-01-001-20	POT., 10K OHM (A),
JP1	D23-36-005-2X	CONNECTOR, 26FMN-BMTTN-A-TF
JP2	D24-04-041-20	CONNECTOR, 2011-2*07G00S/3/4B
JP3	D24-04-032-6A	CONNECTOR,2011-1*05G00S
LCD	D11-15-002-10	MODULE, LCD WG14432D-TTI-NB5#002

LED PCB ASSY. (Part code : Z3172)



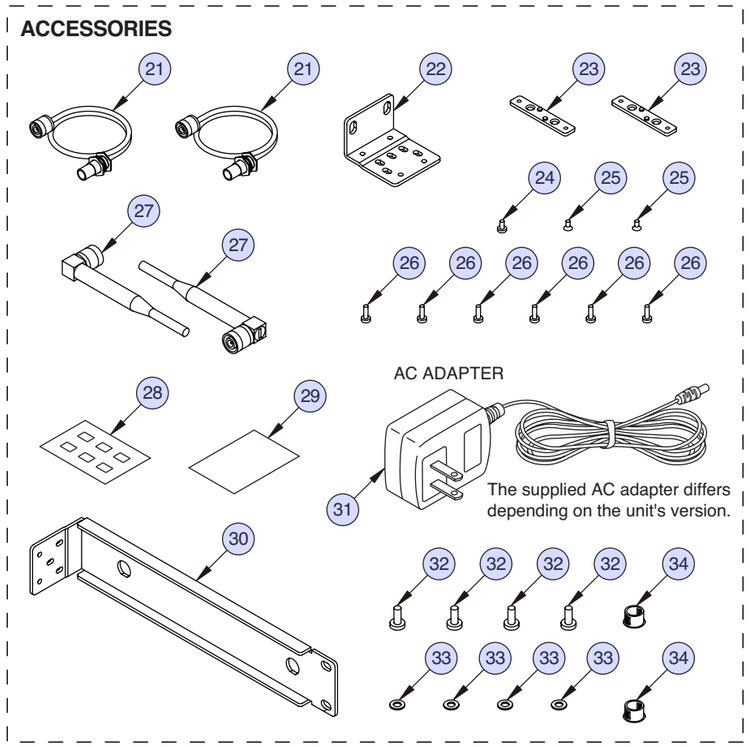
EXPLODED VIEW AND PARTS LIST

Moving the mouse pointer over the circled number or alphabet, or clicking it on the exploded view pops up indications showing its part number and name.
Note that they are not displayed if the cursor is in zoom-in or zoom-out mode.



Ref.No.	Part Code	Description	
1	D01-15-007-50	PANEL, FRONT S5.5RX	
2	D31-14-099-60	PANEL, OPERATION S5.5RX	
3	Z3172	PCB ASSY,FRONT PANEL S55RX	
4	D01-01-050-4A	CHASSIS, FRONT S5.5RX	
5	D02-25-013-40	RUBBER FOOT, GRY RF-022I	
6	D31-27-026-80	LABEL, MODEL S5.5	
7	D01-25-030-6B	PANEL, REAR S5.5RX	
8	125-51-175-10	WIRE MOUNT,CH-1	
9	Z3340	PCB ASSY, MAIN S55RX-A1	← A1 Type
9	Z3349	PCB ASSY, MAIN S55RX-B2	← B2 Type
9	Z3341	PCB ASSY, MAIN S55RX-C1	← C1 Type
9	Z3342	PCB ASSY, MAIN S55RX-D3	← D3 Type
10	D02-21-039-40	BRACKET, SOCKET R5.5RX	
11	121-01-208-70	KNOB, PUSH SWITCH (BLK)	
12	D01-01-049-40	CASE, S5.5RX	
13	106-54-016-30	RIVET, NYLON; NRP-450	
14	D02-02-025-60	SLEEVE, 303	
15	D21-09-008-70	LED COVER, SW S5.5RX	
16	D21-09-007-20	LED COVER, VR S5.5RX	
17	D21-01-019-70	KNOB, VOLUME CONTROL S5.5RX	
18	D05-03-008-70	CUSHION, LCD S5.5RX	
19	105-04-293-80	SHEET, WA1801 USB EDGE	

Moving the mouse pointer over the circled number or alphabet, or clicking it on the exploded view pops up indications showing its part number and name.
Note that they are not displayed if the cursor is in zoom-in or zoom-out mode.



· ACCESSORIES

Ref.No.	Part Code	Description	
21	D25-31-029-30	CONNECTION CABLE, BNC WR050	
22		RACK MOUNT BRACKET, MB-15B	← Product (MB-15B)
23	D02-21-038-70	BRACKET, JOINT S5.5RX	
24	106-03-832-90	SCREW,BINDER HEAD M3*6 BLK.	
25	606-05-101-30	O.H.SCREW M3*6 FE NI	
26	D06-03-028-40	B.H SCREW 3*10 NI	
27	D02-12-012-30	ANTENNA, S55RX-A1	
28	131-14-280-60	COLOR MARK, WT1804	
29	D31-14-153-90	LABEL, FUNCTION A1	← A1 Type
29	D31-14-161-40	LABEL, FUNCTION B2	← B2 Type
29	D31-14-161-40	LABEL, FUNCTION C1	← C1 Type
29	D31-14-146-50	LABEL, FUNCTION D3	← D3 Type
30	D02-21-037-20	PANEL, DUMMY S5.5RX	
31	D00-07-020-60	AC ADAPTOR, PSU-US	← A1 Type
31	D00-07-018-50	AC ADAPTOR, PSU-EU	← C1, D3 Type
32	D06-31-003-80	B.H TAPPING SCREW 5*12 BLK	
33	106-52-120-90	FLAT FIBER WASHER 5.2*10	
34	D21-01-020-10	COVER,ANTENNA S5.5RX	

· SCREWS

Ref.No.	Part Code	Description
A	106-60-102-40	P.H SCREW 2*5BT NI
B	D06-03-027-90	B.H SCREW 2.6*10 NI
C	D06-35-111-60	NUT 2.6 NI
D	D06-01-220-30	P.H SCREW 2.6*4 NI
E	106-61-614-50	B.H SCREW 3*6 BT FE
F	106-61-632-50	+B.H. SCREW B-TIGHT 3*8 BK
G	506-80-062-10	LOCK WASHER M3 EXTERNAL
H	106-03-812-70	B.H SCREW M3*6 FE CR3
J	106-03-832-90	B.H SCREW M3*6 FE BLK

* The parts not listed are not supplied.