

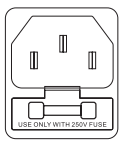
POWERPOD 820

SERVICE MANUAL

PHONIC

- ~100VAC 60Hz 80W, FUSE 6.3A/250V
- ~120VAC 60Hz 80W, FUSE 6.3A/250V
- ~230VAC 50Hz 110W, FUSE 3.15A/250V
- ~240VAC 50Hz 110W, FUSE 3.15A/250V

CAUTION:
TO REDUCE THE RISK OF FIRE REPLACE WITH SAME TYPE FUSE AND RATING




USE ONLY WITH 250V FUSE

WARNING TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. AND DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.


AVIS RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.

SERIAL NUMBER




FOOT SWITCH

TAP EFFECT ON/OFF



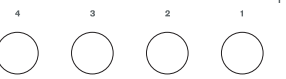
ALT 3-4 OUTPUT

R/4 L/3



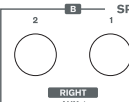
CHANNEL INSERT

4 3 2 1



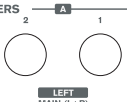
SPEAKERS

2 1



RIGHT AUX 1

2 1



LEFT MAIN (L+R)

PRE-FADER/PRE-EQ TIP-SEND RING-RETURN

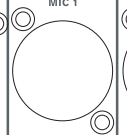
RATED OUTPUT: 100W + 100W(4), CLASS 2 WIRING MAY BE USED.
1 OR 2 = 4-16Ω SPEAKER
1 AND 2 = 8-16Ω SPEAKER

CAUTION HIGH VOLTAGE! DO NOT OPEN!

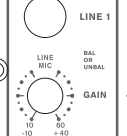
CONFORMS TO ANS/UL STD. 60065
CERTIFIED TO CAN/CSA STD. 60065-03

CE ETL US 119301

MIC 1



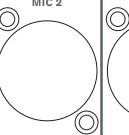
LINE 1



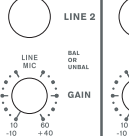
GAIN

BAL OR UNBAL

MIC 2



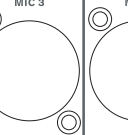
LINE 2



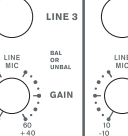
GAIN

BAL OR UNBAL

MIC 3



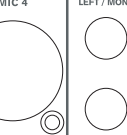
LINE 3



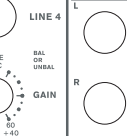
GAIN

BAL OR UNBAL

MIC 4



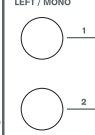
LINE 4



GAIN

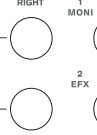
BAL OR UNBAL

LEFT / MONO



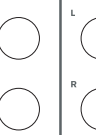
1

RIGHT

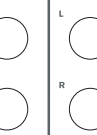


2


1 MONI



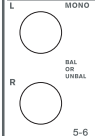
L



R

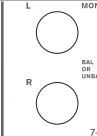


AUX RTN



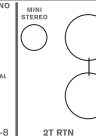
5-6

AUX SEND




7-8

MAIN



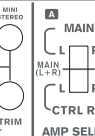
2T RTN

CTRL RM



REC OUT

PHONES



AMP SELECT

HIGH 12K	HIGH 12K	HIGH 12K	HIGH 12K	HIGH 12K	HIGH 12K
MID 2.5K	MID 2.5K	MID 2.5K	MID 2.5K	MID 2.5K	MID 2.5K
LOW 80	LOW 80	LOW 80	LOW 80	LOW 80	LOW 80
AUX 1 MONI	AUX 1 MONI	AUX 1 MONI	AUX 1 MONI	AUX 1 MONI	AUX 1 MONI
AUX 2 EFX	AUX 2 EFX	AUX 2 EFX	AUX 2 EFX	AUX 2 EFX	AUX 2 EFX
PAN	PAN	PAN	PAN	PAN	PAN
BAL	BAL	BAL	BAL	BAL	BAL
1 MUTE ALT 3-4	2 MUTE ALT 3-4	3 MUTE ALT 3-4	4 MUTE ALT 3-4	5/6 MUTE ALT 3-4	7/8 MUTE ALT 3-4
PEAK	PEAK	PEAK	PEAK	PEAK	PEAK
LEVEL	LEVEL	LEVEL	LEVEL	LEVEL	LEVEL

32-BIT DSP

PEAK

PROGRAM

MIN PARAMETER

MAX TAP DELAY

CONTROL ROOM SOURCE

2T RTN MAIN L/R

ALT 3-4

ASSIGN TO MAIN

CTRL RM / SUBMIX

32-BIT DSP

PEAK

PROGRAM

MIN PARAMETER

MAX TAP DELAY

CONTROL ROOM SOURCE

2T RTN MAIN L/R

ALT 3-4

ASSIGN TO MAIN

CTRL RM / SUBMIX

+48V POWER

PEAK

+7

+4

+2

0

-2

-4

-7

-10

-20

L

10

5

0

5

10

15

20

25

30

40

50

R

MAIN L / R

PHONIC

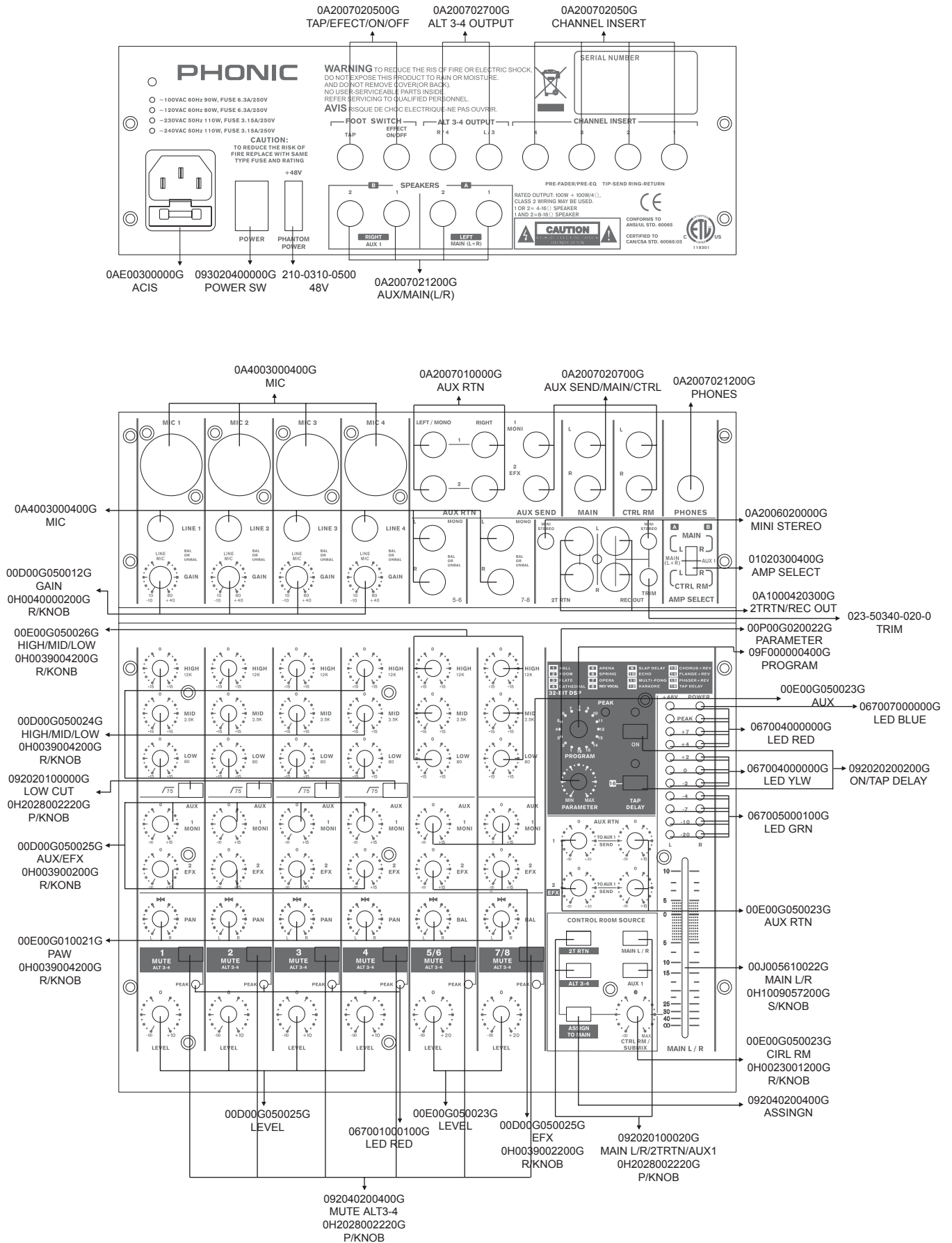
POWERPOD 820

SERVICE MANUAL

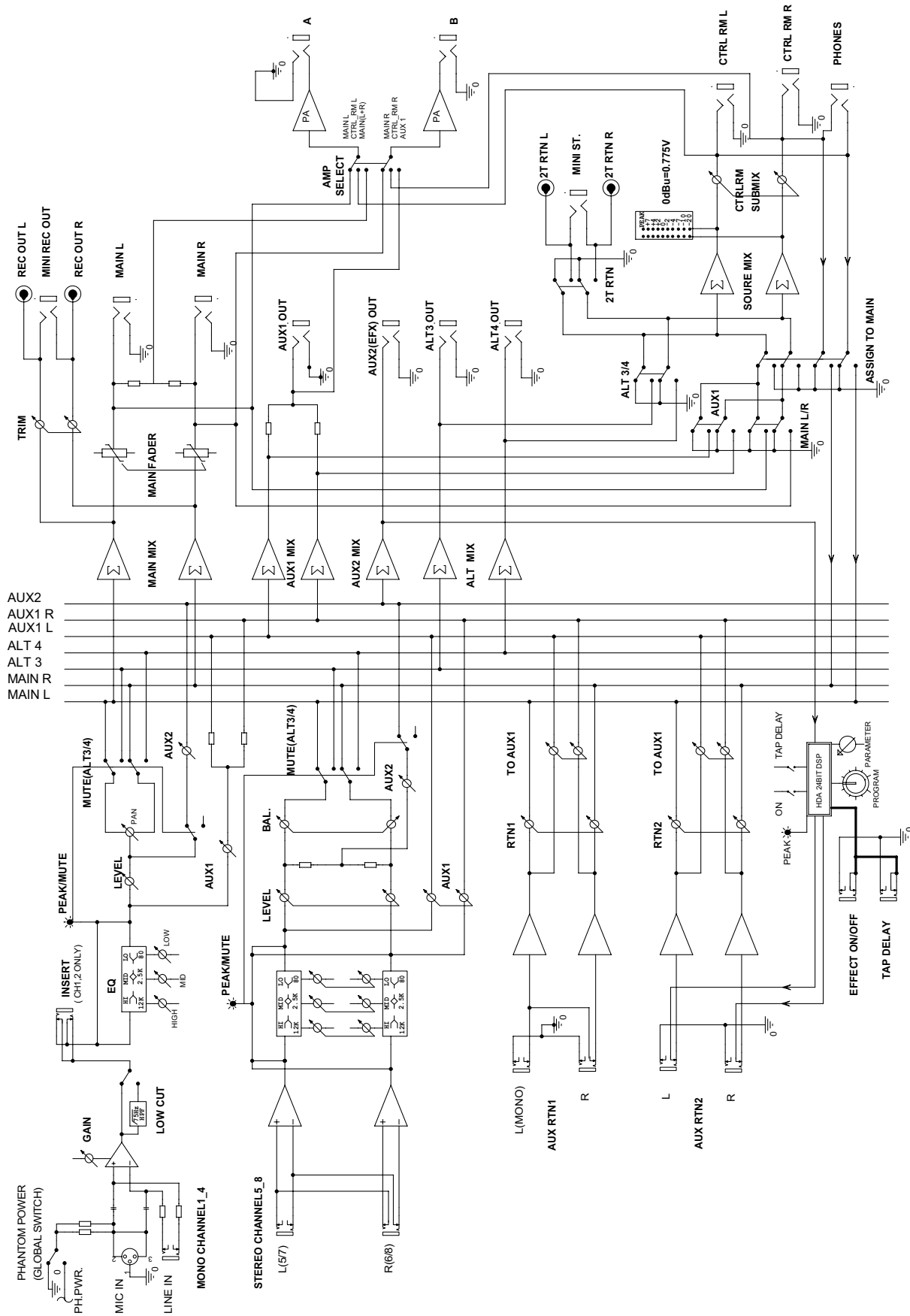
CONTENTS

- 3** PANEL LAYOUT
 - 4** BLOCK
 - 5** CH1-4
 - 6** CH5-6
 - 7** RTN
 - 8** MASTER
 - 9** SOURCE
 - 10** LIMITER
 - 11** POWER & METER
 - 12** SWITCH
 - 13** AMP
 - 14** OUT
 - 15** DSP
- BOM**
- 16** AMP+POWER-PART LIST
 - 20** DSP PCB-PART LIST
 - 21** MAIN-PART LIST
 - 25** MISCELLANEOUS ITEMS
 - 28** POWER REQUIREMENT CLASSIFICATION

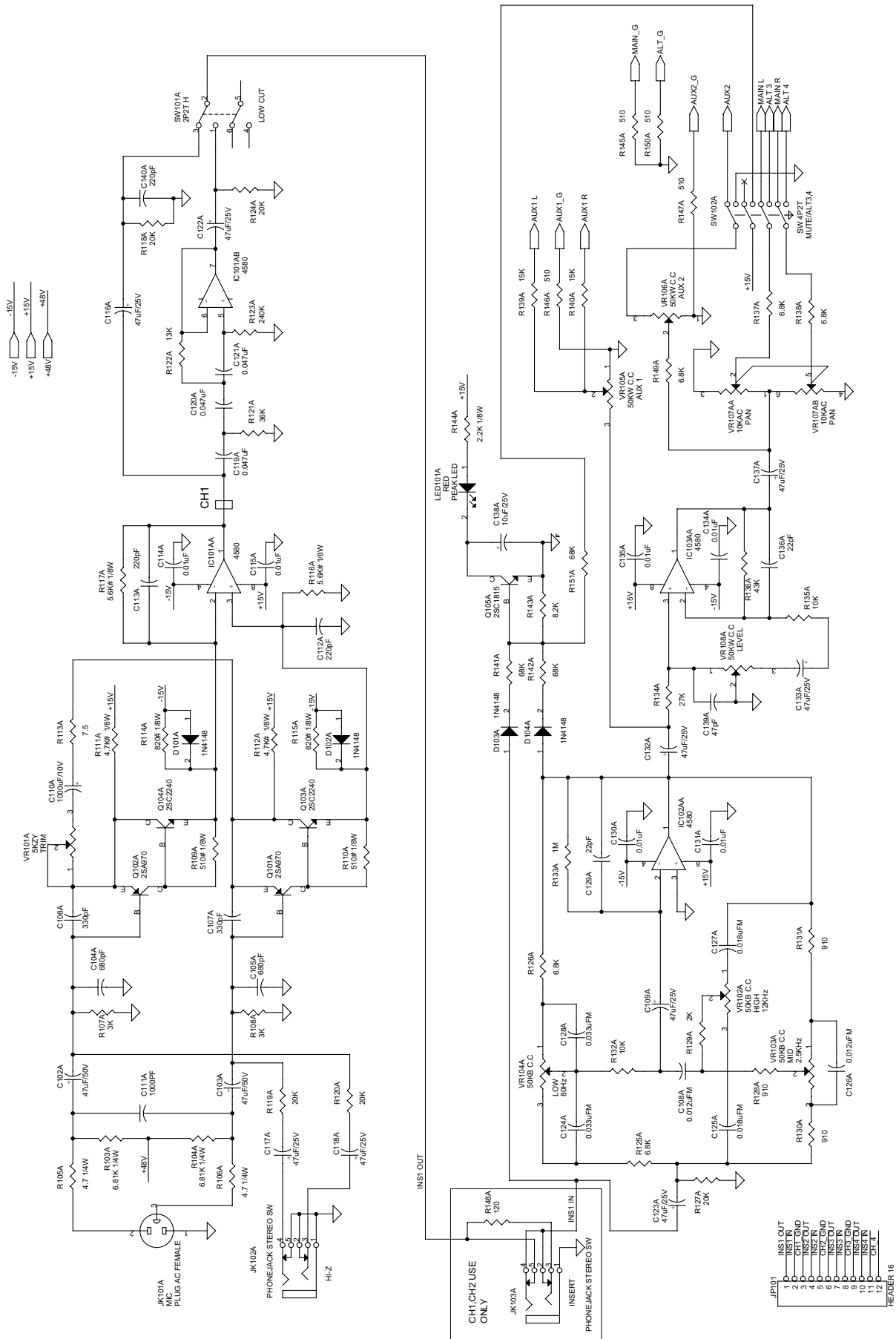
PANEL LAYOUT



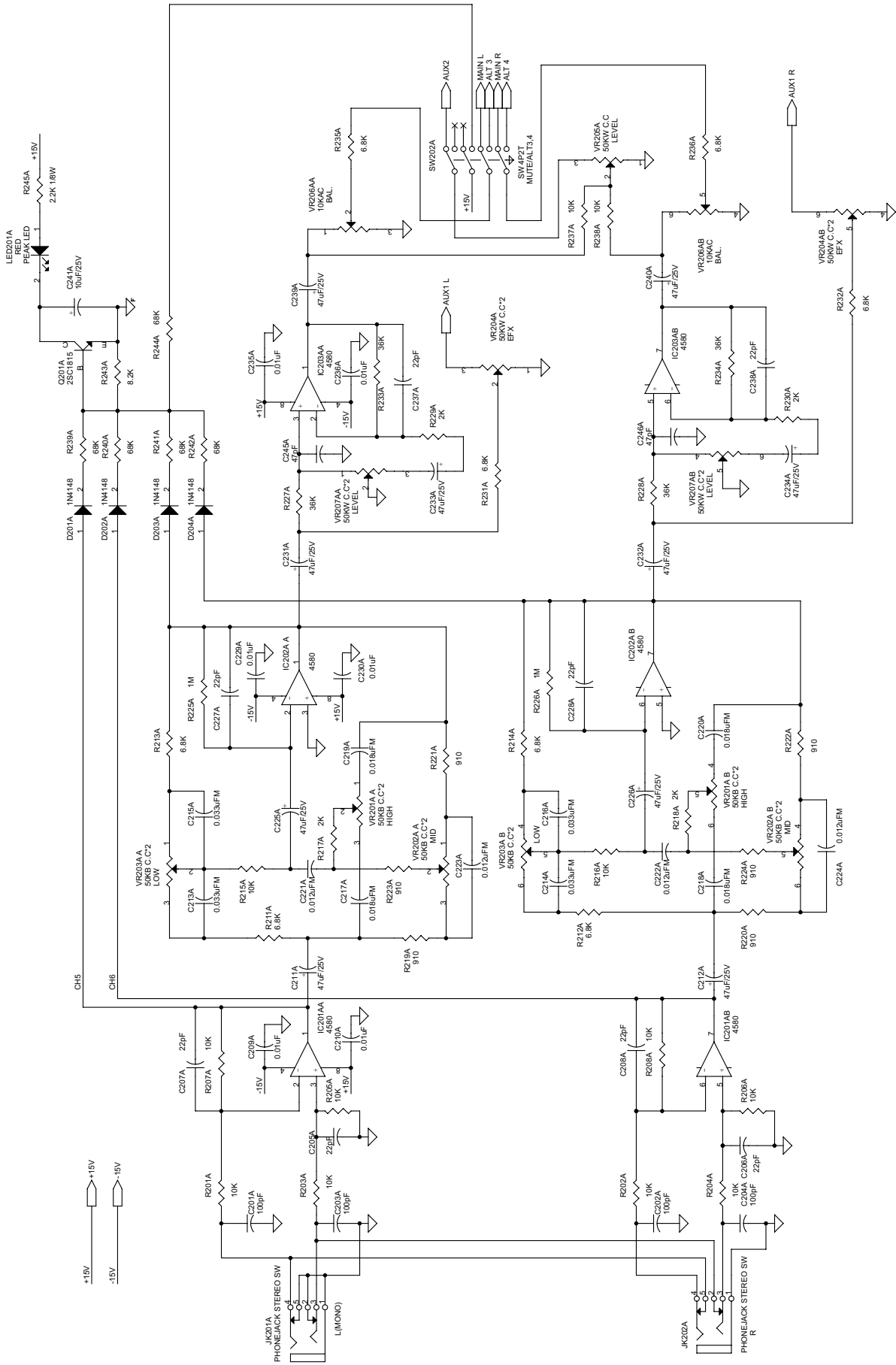
BLOCK



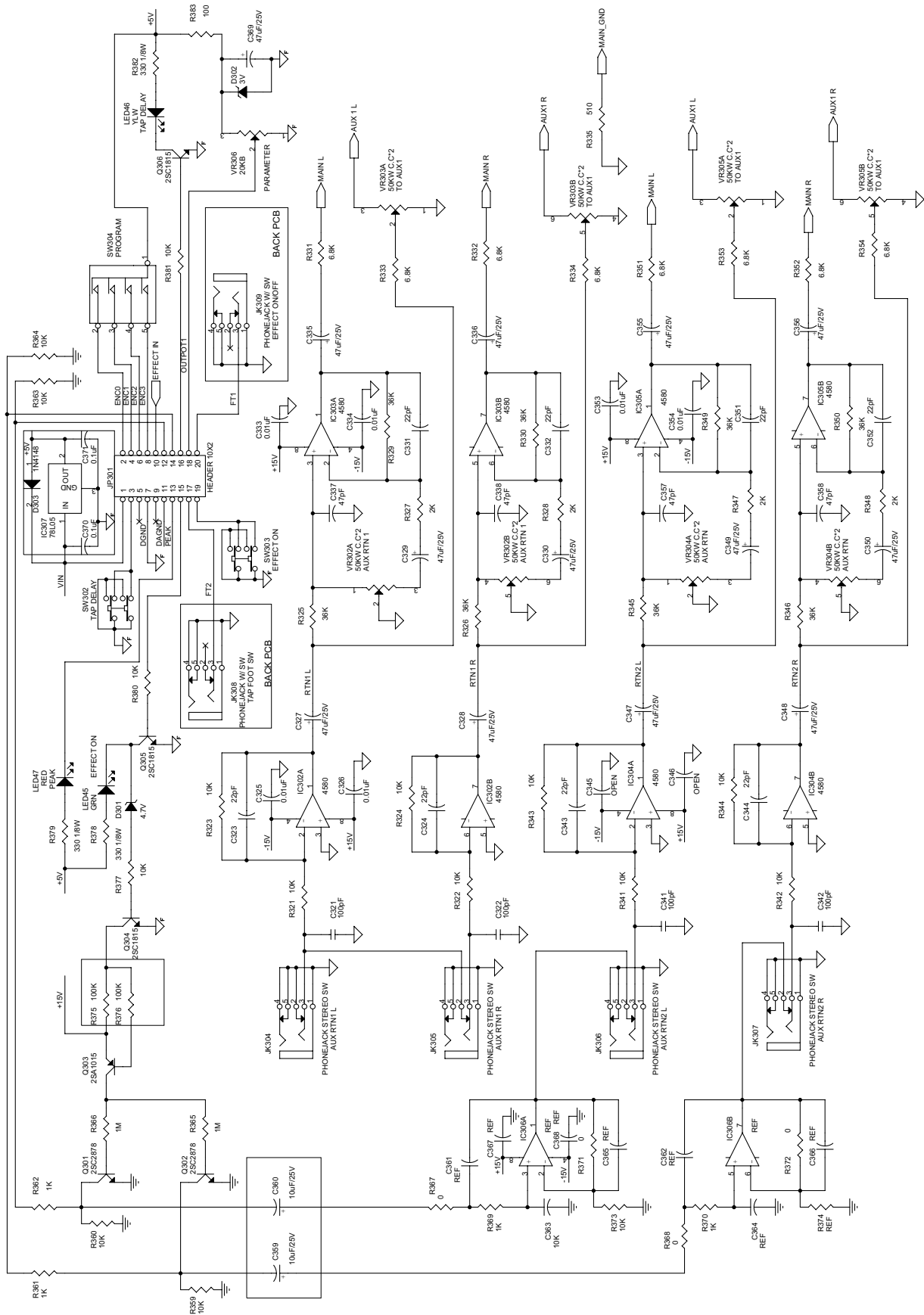
CH1-4



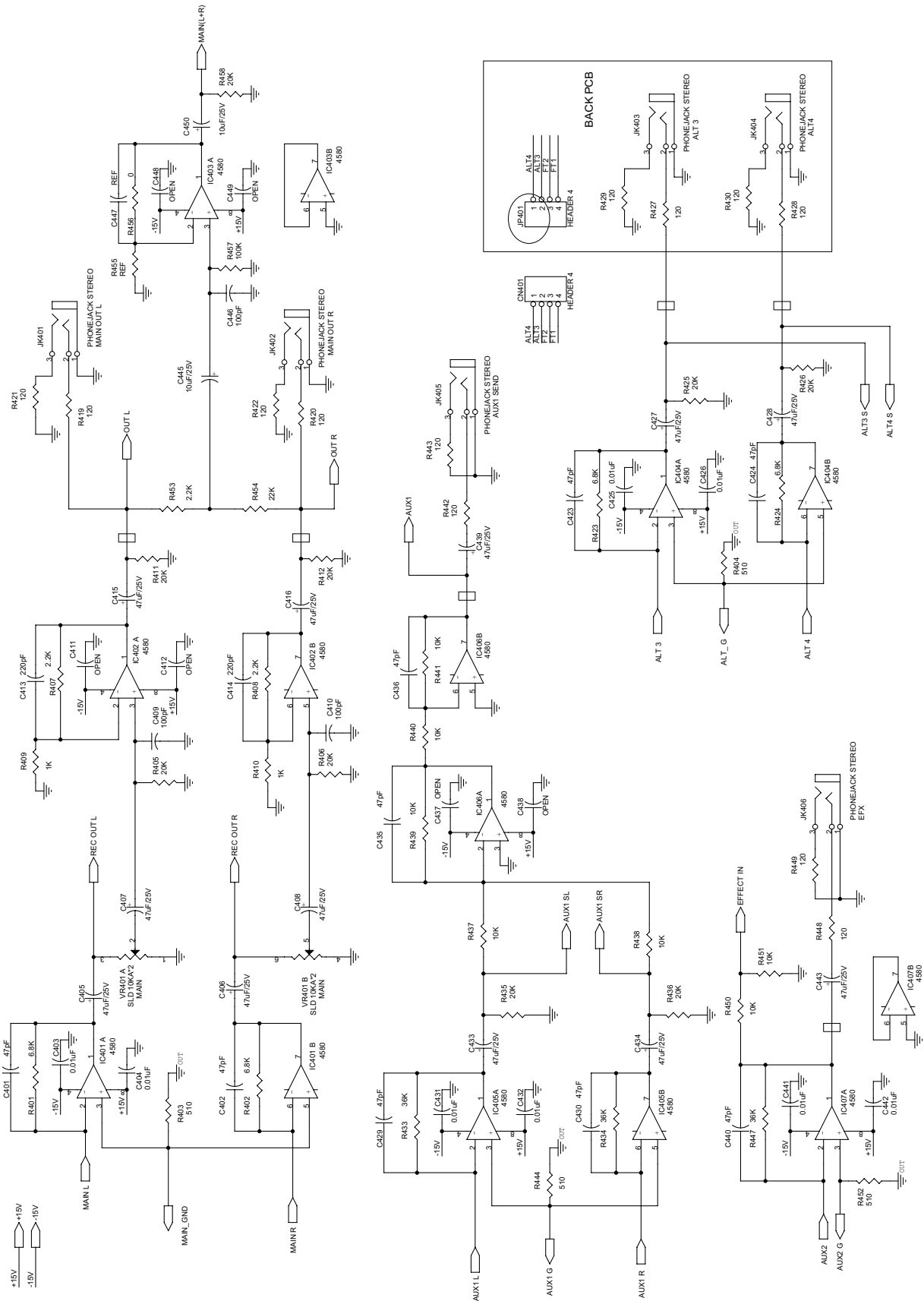
CH5-6



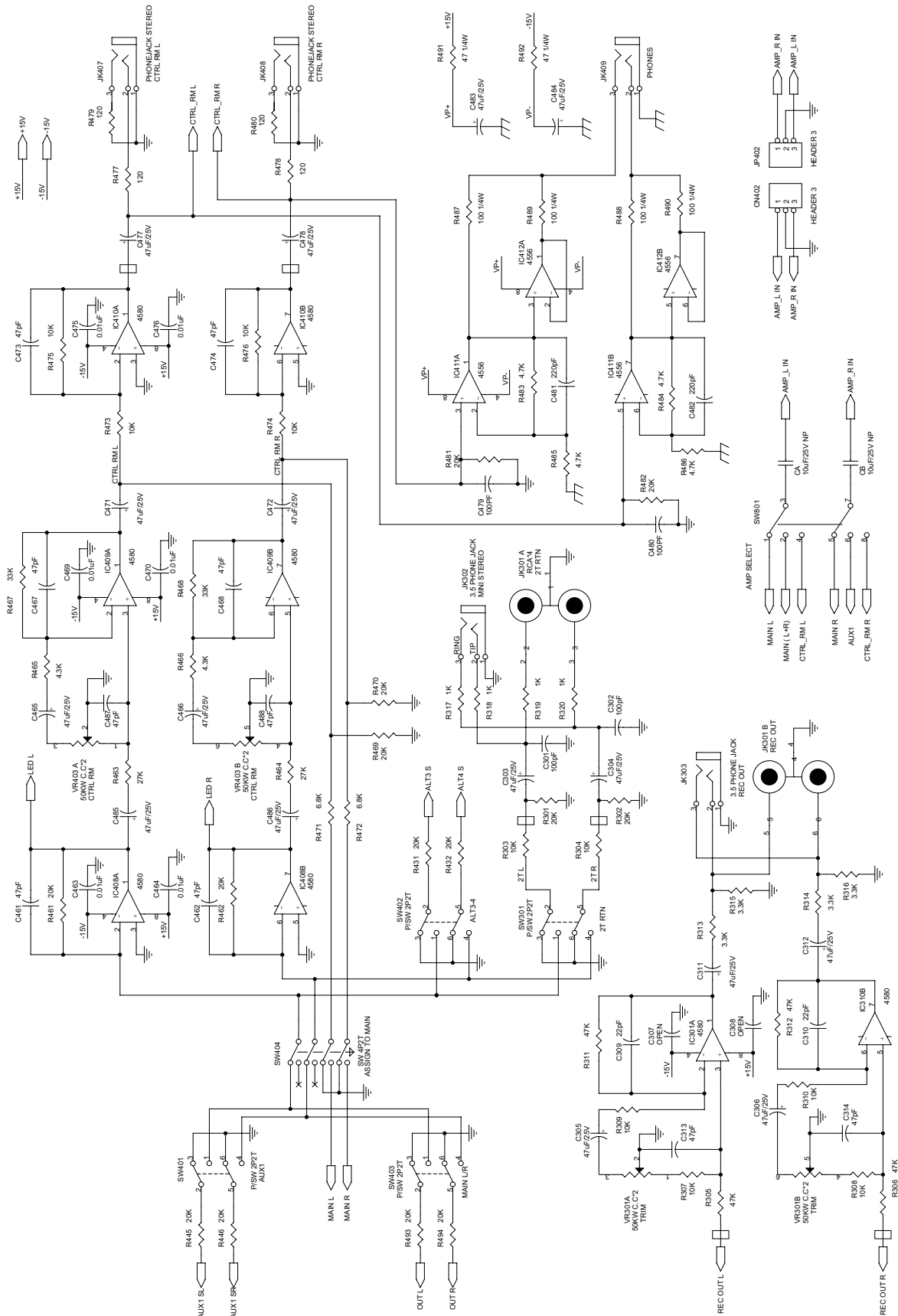
RTN



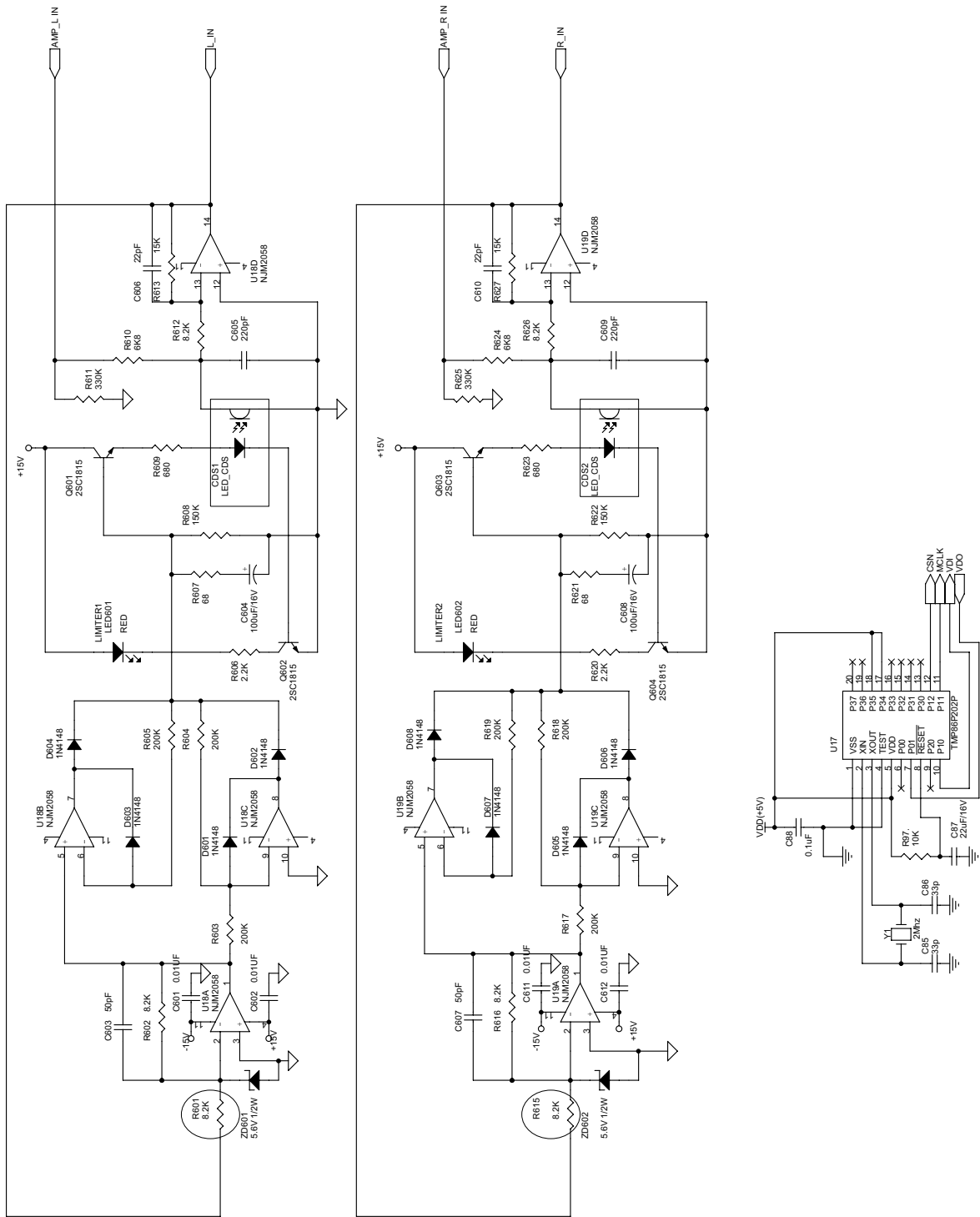
MASTER



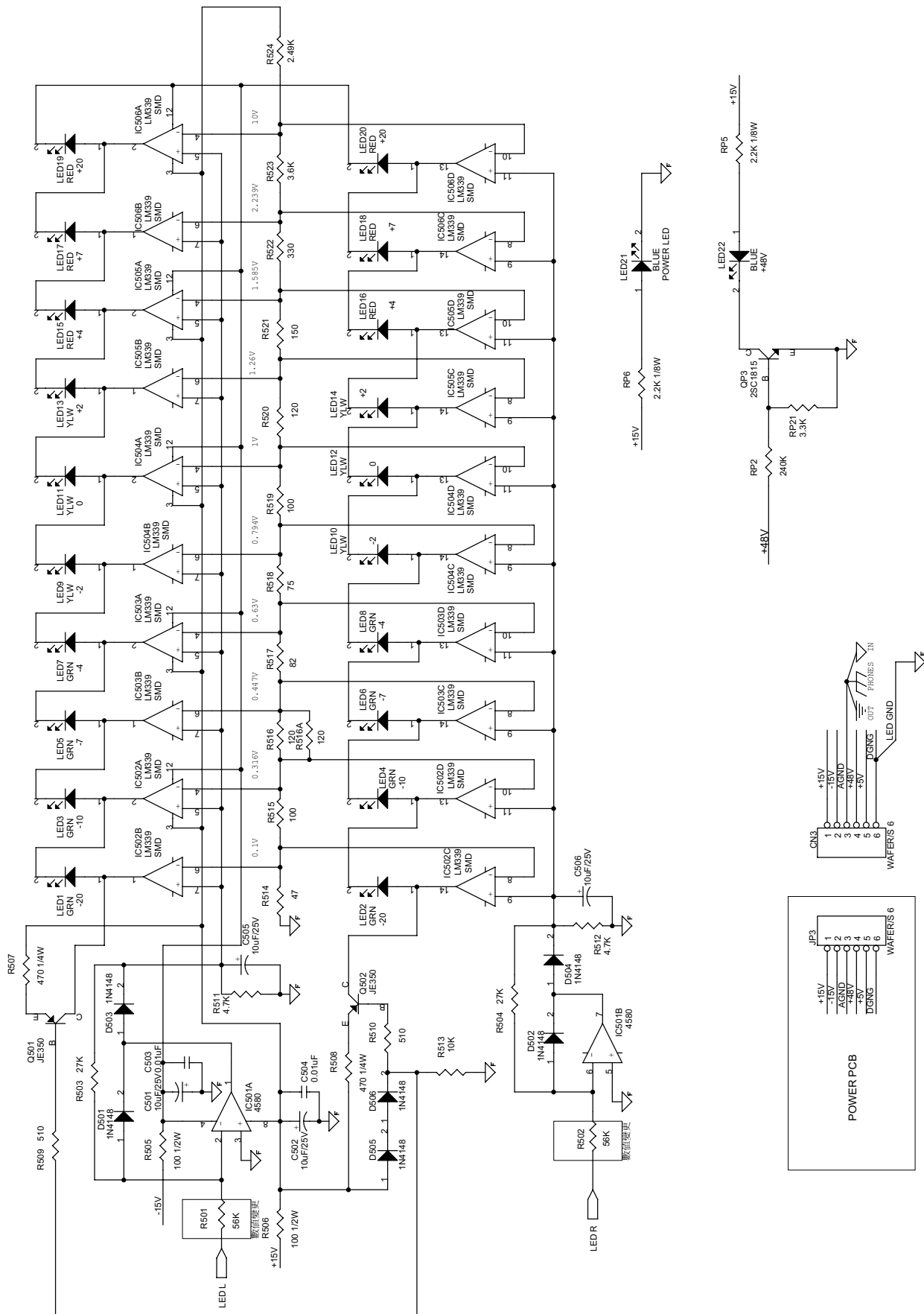
SOURCE



LIMITER

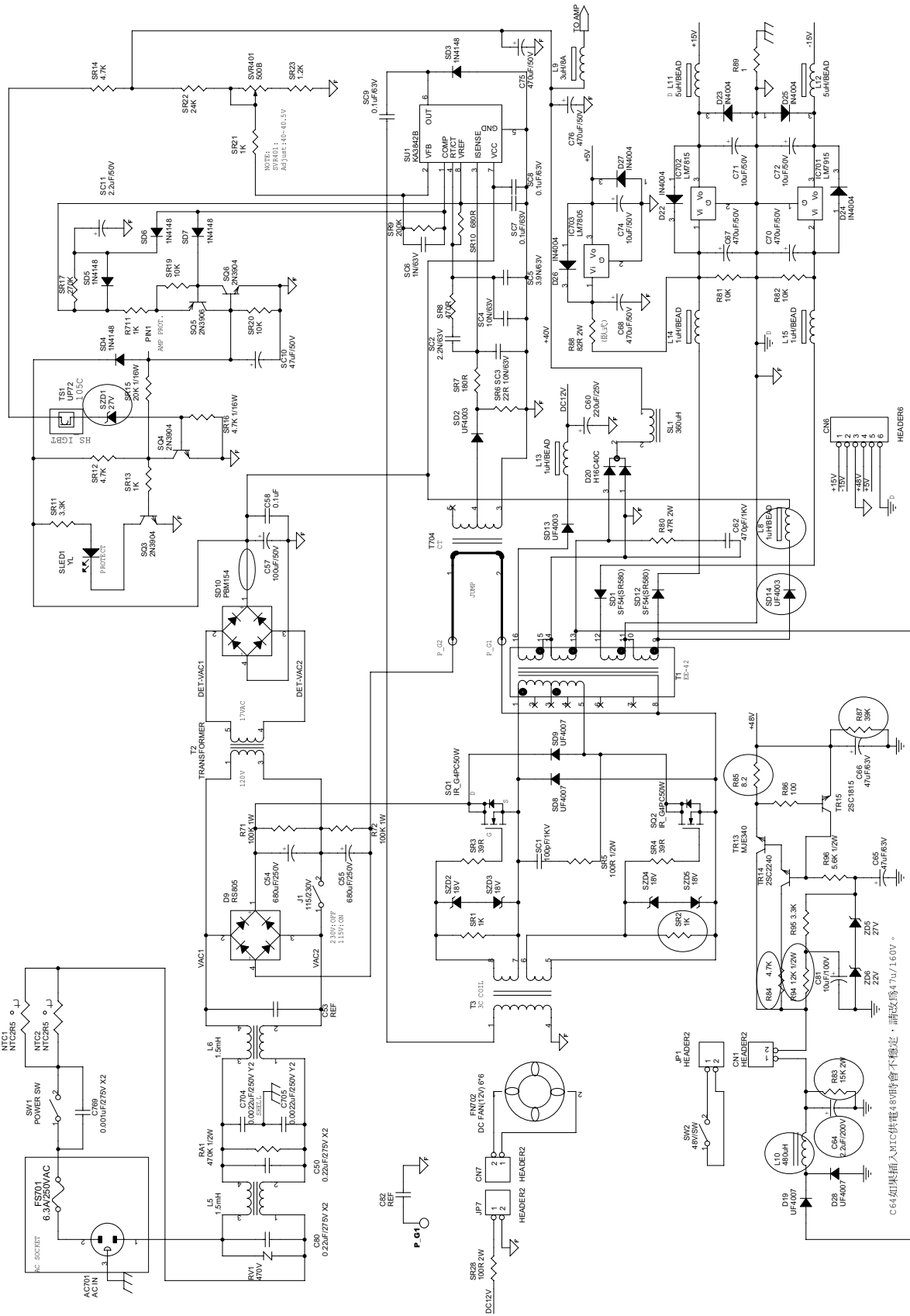


POWER & METER

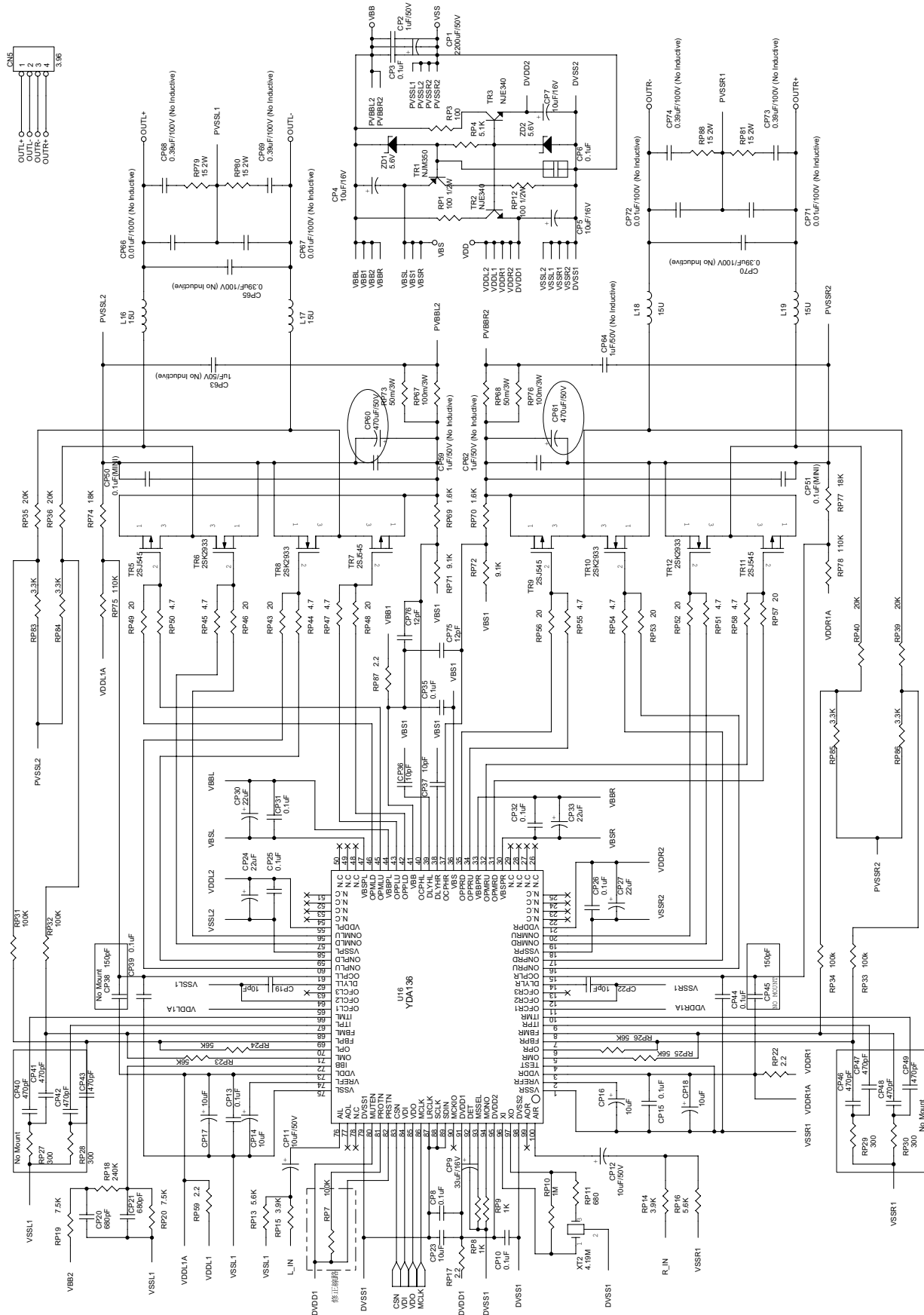


Powerpod 820

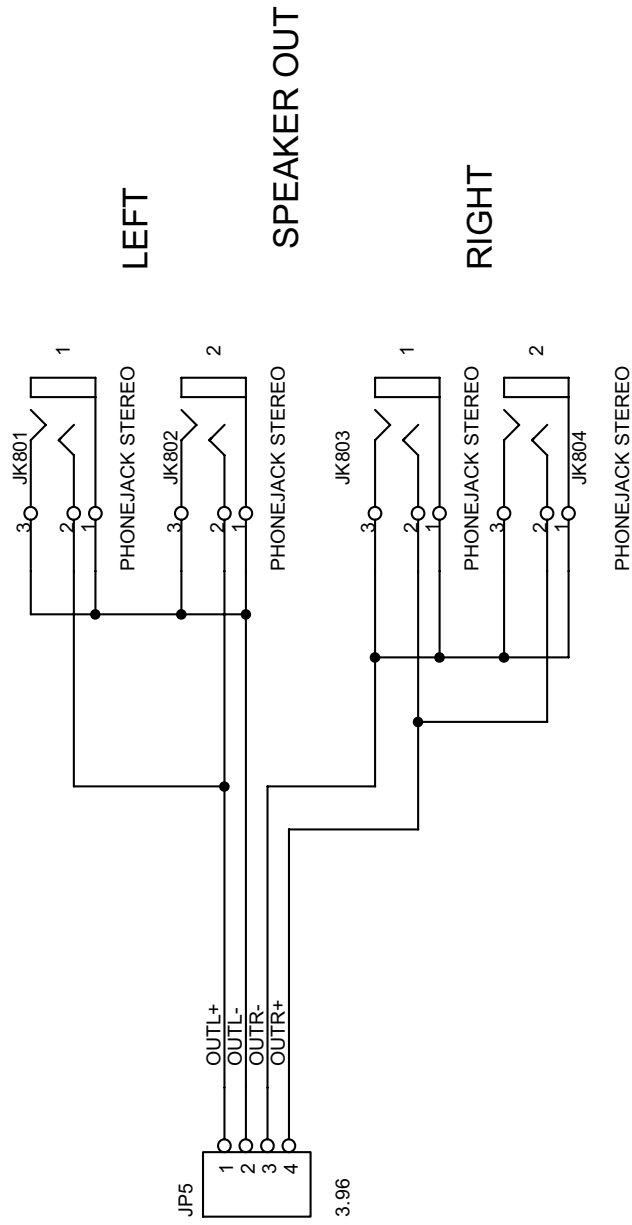
SWITCH



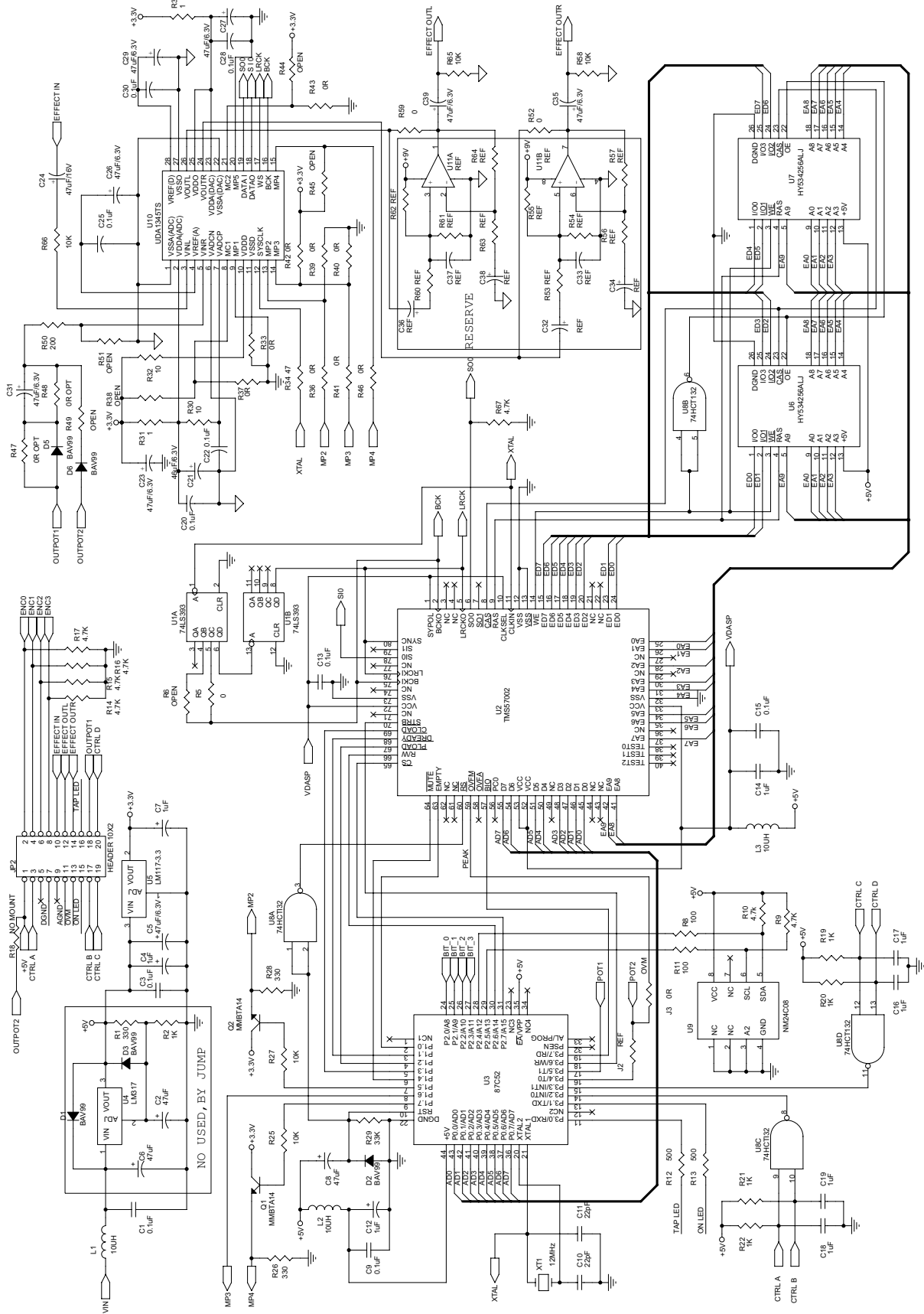
AMP



OUT



DSP



AMP+POWER-PART LIST (10202001X010G)

Phonic Part No.	Specifications	Ref.
000104756010G	CF RES. 5K6 J 0.5W T	R96
080100008400G	IC YDA136	U16
000102710010G	CF RES. 1K J 1/8W T	RP8.9
003019782070G	CEMENT RES. 82 J 5W HORIZONTAL	R88
080101005800G	IC NJM2058V SMD REEL(JRC)	U18.19
000102710040G	CF RES. 1M J 1/8W T26mm	RP10
003029710090G	CEMEN RE. 0.1 J 5W VERTICAL(CEMENT RESISTANCE)	RP67.68.73,76
000102715030G	CF RES. 150K J 1/8W T26mm	R608.622
005006747070G	MOF RES. 47J 2W +/-5%	R80.80A
000102716010G	CF RES. 1K6 J 1/8W T26mm	RP69.70.R4
005007715070G	MOF RES. 15 J 3W	RP79-81.88
000102720030G	CF RES. 200K J 1/8W T26mm	R603-605,617-619
005007718000G	MOF RES. 180 J 3W P	R28
000102720070G	CF RES. 20 J 1/8W T26mm	RP43.46.48,49.52.53,56.57
006104510000G	MF RES. 100 F 1/2W T	RP1.3.12,SR5
000102722080G	CF RES. 2.2 J 1/8W T26mm	RP17.22.59,87
006104547030G	MF RES. 470K F 1/2W T26mm	RA1
000102724030G	CF RES 240K J 1/8W T	RP18
006105510030G	MF RES. 100K F 1W T26mm	R71.72
000102733030G	CF RES. 330K J 1/8W T26mm	R611.625
008000Z00003G	CDS CDS1000 RONGFA	CDS1.2
000102739010G	CF RES. 3K9 J 1/8W T26mm	RP14.15
00A000925081G	NTC TERMISTOR N15SP2R5L +/-15%	NTC1.2
000102747080G	CF RES 4.7 J 1/8W T	RP44.45.47,50.51.54,55.58
00C251020010G	T/VR. 2KB 1/2W D10 S 3M	SVR401
000102756010G	CF RES. 5K6 J 1/8W T	RP13.16
010032402282G	E/C 2200uF 50V 31*18	CP1
000102768000G	CF RES. 680 J 1/8W T	RP11.R609,623
010035404772G	E/C 470uF Z 50V 13*18	C67.68.70,75.76
000102768010G	CF RES 6.8K J 1/8W T	R610.624
01003D206870G	E/C 680uF 250V M	C54.55
000102768070G	CF RES 68 J 1/8W T	R607.621
01926L201010G	C/C2 100PF M 1KV P	SC1
000102775010G	CF RES. 7K5 J 1/8W T26mm	RP19.20
01926L204710G	C/C2 470PF M 1KV P	C62
000102782010G	CF RES. 8K2 J 1/8W T26mm	R602.612,616.626
01E008103940G	MM/C 0.39uF K 100V	CP65.68-70,73.74
000102791010G	CF RES. 9K1 J 1/8W T	RP71.72
01J22D202220G	LINE/C 0.0022uF M 250VAC Y2	C51.52
000103739070G	CF RES. 39 J 0.25W T	SR3.4
01J22E102240G	LINE/C 0.22uF K 275V P	C50.80
000103782080G	CF RES. 8.2 J 1/4W T26mm	R85
020033001A00G	XMER MU200XP HIGH FREQUENCY TRANSFORMER EE-4215	T1
000113712020G	CF RES. 12K J 0.25W T52mm	R94

Phonic Part No.	Specifications	Ref.
020033003500G	COIL (THREE-PLY INSULATION)	T3
005006715020G	MOF RES. 15K J 2W M	R83
020033003700G	EI X'MER 120V	T2
006102510020G	MF RES. 10K F 1/8W T26mm	R97
020033003800G	EI COIL. RG160/260	T403
006102510030G	MF RES. 100K F 1/8W T26mm	RP7.31-34
030000000800G	CHOCK COIL TF5104 XIANYI	L5.6
006102511030G	MF RES. 110K F 1/8W T	RP75.78
030000000900G	CHOCK COIL 1111 XIANYI	L11.12
006102515020G	MF RES. 15K F 1/8W T26mm	R613.627
030000000K00G	BEAD COIL 480uH	L10
006102518020G	MF RES. 18K F 1/8W T26mm	RP74.77
030000000L00G	BEAD COIL 360uH	SL1
006102520020G	MF RES. 20K F 1/8W T26mm	RP35.36.39,40
030000000N00G	CHOCK COIL 15UH BEAD	L1-4
006102522010G	MF RES. 2K2 F 1/8W T26mm	R606.620
030000001500G	BEAD COIL 1119 XIANYI	L13.8.14,15
006102533010G	MF RES. 3K3 F 1/8W T26mm	RP83-86
030000003600G	CHOCK COIL 3UH 8A	L9
006102556020G	MF RES. 56K F 1/8W T26mm	RP23-26
060000000200G	DIODE UF4003	SD2.D13.14
006102582010G	MF RES. 8K2 F 1/8W T26mm	R601.615
060000000500G	DIODE UF4007	SD8.9.19,28
006103510000G	MF RES. 100 F 1/4W T	R86
060000000700G	DIODE 1N4004 SILTEK T	D22-27,SD11
006103510010G	MF RES. 1K F 1/4W T	SR1.2.13,18.21
060000001300G	DIODE H16C40C MOSPEC	D20
006103510020G	MF RES. 10K F 1/4W T	SR19.20,R81.82
060000002800G	DIODE SF54(HIGH SPEED 5A/200V 35ns)	SD1.12
006103510080G	MF RES. 1 F 1/4W T26mm	R89
066000000100G	B/DIODE PB154 XULI	SD10
006103512010G	MF RES. 1K2 F 1/4W T26mm	SR23
066000000400G	B/DIODE PBU805 ZHUYI	D9
006103518000G	MF RES. 180 F 1/4W T26mm	SR7
067001000100G	LED BL-B5141 RED BAIHONG	LED601.602
006103520020G	MF RES. 20K F 1/4W T26mm	SR15
067004000000G	LED BL-B3141 YLW BAIHONG	SLED1
006103520030G	MF RES. 200K F 1/4W T26mm	SR9
070000000710G	TRN KTC3198 GR KEC(INSTEAD 2SC1815)	Q601-604
006103522070G	MF RES. 22 F 1/4W T26mm	SR6
070100003900G	TRN MJE340 SOT32-D(ON/MO)	TR2.3.13
006103524020G	MF RES. 24K F 1/4W T26mm	SR22
071000002700G	TRP MJE350 SOT-93-D (ON)	TR1
006103527030G	MF RES. 270K F 1/4W T26mm	SR17

Phonic Part No.	Specifications	Ref.
072000002100G	TRF IRG4PC50W TO-247-D(IR)	SQ1.2
006103533010G	MF RES. 3K3 F 1/4W T	R95.SR11
072000002300G	TRF 2SK2933 TO-220 (REN)	TR6.8.10,12
006103539020G	MF RES. 39K F 1/4W T26mm	R87
072000002400G	TRF. 2SJ545E TO	TR5.7.9.11
006103547000G	MF RES. 470 F 1/4W T26mm	SR8
0800000085A0G	IC ML7815A-FBE TO220	IC4
006103547010G	MF RES. 4K7 F 1/4W T	SR12.14.16,84
0800000086A0G	IC ML7915A-FBE TO220	IC5
006103551010G	MF RES. 5K1 F 1/4W T26mm	RP4
080000010500G	IC UC3842BN ON	SU1
006103568000G	MF RES. 680 F 1/4W T26mm	SR10
080001000750G	IC ML7805A-FBE TO220	IC3
010035404770G	E/C 470MF Z 50V 16*25 P	CP60.61
08400100010FG	IC TMP86P202P	U17
010332201070G	E/C 100uF M 16V T 6*11	C604.608
0AA000230000G	2P WAFER/S 5267 A2505 WV	CN4
010332402260G	E/C 22uF Z 16V 5*11 T	C87
0AA000230100G	2P WAFER/S TJC3-2A PH=2.5MM	CN1
010333402270G	E/C 220MF Z 25V 8*14 T	C60
0AA000330000G	3P WAFER/S TJC3-3A PH=2.5MM	CN2
010335103360G	E/C 33MF/50V 5*11 T	CP9
0AA000460000G	4P WAFER/S A3963WV2-4P DAWANG	CN5
010335401050G	E/C 1uF Z 50V 5*11 T -40°C- 85	CP2
0AA000730100G	7P WAFER/S TJC3-7A PH=2.5MM	CN6
010335401060G	E/C 10uF Z 50V 5*11 T	CP4.5.11,12.14.16,17.18.7,C71.72.74
0AB002020000G	IC/S 20P 9.8*25MM (NARROW)	U17
010335401070G	E/C 100uF Z 50V 8*12 T	C57
0E5000000600G	FAN CHA4012AB QIANHONG	
010335402250G	E/C 2.2uF Z 50V 5*11 T	SC11
0F7001250600G	TINNER WIRE 12.5MM D0.6	D18
010335404760G	E/C 47uF Z 50V 6*11 T	SC10
0G9013000100G	HEAT SINK U-TYPE POWERPOD1860	TR13
010336404760G	E/C 47uF Z 63V 8*11 T	C65.66
0G901N000100G	HEAT SINK MU200XP	
010338101060G	E/C 10uF K 100V 6*11 T	C81
0G901P000100G	HEAT SINK MU200XP	
01033C102250G	E/C 2.2uF K 200V 5*11 T	C64
0G9069000100G	HEAT SINK(B) 15*10.7*40mm	TR1.2.3
012335102260G	NP E/C 22uF K 50V 8*11 T	CP24.27.30,33
0J2005500010G	FAN FIXED SECC1.0	
012335401060G	NP E/C 10uF Z 50V 6*11 T	CP23
0L0030081000G	M/E FLT SCR. M3.0*8 NI D=6	FAN&HEATSINK,PIECE*2
019365001000G	C/C2 10PF J 50V T	CP19.22.36,37
0L0430061000G	M/E PAN SCR. M3.0*6 NI	HEATSINK*8
019365001200G	C/C2 12PF J 50V 5 T	CP75.76
0L0430101000G	M/E PAN SCR. M3.0*10 NI D=5.5	IC3-5.D20,TR5-13,SQ1.2

Phonic Part No.	Specifications	Ref.
019365002200G	C/C2 22PF J 50V 5T P	C606.610
0L0430141000G	M/E PAN SCR. M3.0*14 NI	FOR FAN
019365002210G	C/C2 220PF J 50V 5 T	C605.609
0L1530082000G	T/P SET SCR. D3.0*8 BLK	TR1.2.3
019365003300G	C/C2 33PF J 50V 5T P	C85.86
0M0003020100G	HEX. NUT M3.0*2.0 NI	TR13
019365005000G	C/C2 50PF J 50V 5 T	C603.607
0N0000000000G	TRANSISTOR WASHER TO-220 SHENG-SHENG	IC3-5.D20
019365006810G	C/C2 680PF J 50V 5 T	CP20.21
0N0000005000G	IC WASHER 14*8.8mm MICA SHEET	TR1.2.3.13
019365201040G	C/C2 0.1uF M 50V 5T P	CP3.6.8.10,13.15.25,26.31.32,35.39.44,88. C50.51,58
0N0000007100G	WASHER TO-3P	SQ1.2
019365401030G	C/C2 0.01uF Z 50V 5 T	C601.602,611.612
0N1000001000G	LUG 3D	
01E228001050G	MM/C 1uF J 100V P (23L*14H*7T)	CP59.62.63,64
0N1000006000G	LUG (SQUARE) PIN JP-15 PINGU	AC1.2
01F008101030G	M.P/C 0.01uF K 100V	CP66.67.71,72
0ND000200001G	BUSHES 602S(V.0)YONGZHEN 180 DEGREE	IC3-5.SQ7,D20
01F336001020G	MP/C 0.001uF J 63V T (SQUARE)	SC6
0ND003005100G	PLA. WAS. D3.0*D7.0*0.5 NI	IC3-5.SQ1,2.7.D20, FIXED FAN*2
01F336002220G	M.P/C 0.0022uF J 63V T	SC2
0ND003005810G	FIBER WAS. D3*D8*0.5 RED	HEAT SINK&,AMP PCB
01F336101030G	M.P/C 0.01uF K 63V T(SQUAREPP)	SC3.4
0ND003020810G	FIBER WAS. D3.0*D8.0*2.0 RED	HEAT SINK&,FAN,BRACKET
01F336101040G	M.P/C 0.1uF K 63V T	SC7.8.9
0ND603010100G	SPR .WAS. D3*D5*1 NI	TR1-3.5.6,8-12.IC3-5,D20.TR13,SQ1.2.7
01F336103920G	MP/C 0.0039uF K 63V (SQUARE)	SC5
0NH020003010G	CRYSTAL 2MHZ	Y1
0610A1223000G	Z/DIODE 22V 0.5W 1N5251B	ZD6
0NH041903000G	CRYSTAL 4.19MHZ	XT1
0610A2183000G	Z/DIODE 18V K 0.5W FAIRCH	SZD2-5
0NH147100200G	ZNR 470V	RV1
0610A2273000G	Z/DIODE 27V K 0.5W	ZD5.1
100000005020G	MU200XP AMP PCB SMD	
0610A2562000G	Z/DIODE 5V6 K 0.5W FAIRCH	ZD1.2.601,602
10102001X010G	POWERPOD820 AMP+POWER PCB A/I	
062000000100G	DIODE 1N4148	D601-608,SD3-7
070000000200G	TRN 2N3904 DIP ON	SQ3.4.6
070000000710G	TRN KTC3198 GR KEC(INSREAD 2SC1815)	TR15
070001001010G	TRN KTC3200 KEC(INSREAD 2SC2240)	TR14
071000000100G	Tr. 2N3906 DIP ON	SQ5
0D02001X0100G	POWERPOD820 AMP+POWER PCB	

DSP PCB-PART LIST (10200003M040G)

Phonic Part No.	Specifications	Ref.
0ND001620100G	CRYSTAL INSULATION WASHER OA-6 YONGZHEN	Y3.4
007200700000G	CHIP RES. 0 J 0603	R65.118,119
0NH016004100G	CRYSTAL 16MHZ HC-49US XINGGU	Y4
007200710000G	CHIP RES. 100 J 0603	R73
0NH020004100G	CRYSTAL 20MHz 49S	Y3
007200710010G	CHIP RES. 1K J 0603	R71.79.82,97.100
10000003M040G	MU/HB PHONIC NEW-TI DSP SMD	
007200710020G	CHIP RES. 10K J 0603	R3.4.6.14,17.19.21,24.31.33,38-41.43,45-48,50-52, 54.55.72,112.117,120.128,130.132,134.135,137.139
007200720080G	CHIP RES. 2 J 0603	R76
007200722010G	CHIP RES. 2K2 J 0603	R26.67
007200722020G	CHIP RES. 22K J 0603	R27.34.36,37
007200733070G	CHIP RES. 33 J 0603	R1.2.7-12,15.18.20,22.23.25,28-30.42,44.49.53, 57.61.66,69.116,121.122,126
007200747020G	CHIP RES. 47K J 0603	R35.74
007200762070G	CHIP RES. 62 J 0603	R56
007210712000G	CHIP RES. 120 J 0805	R68
016465001000G	CHIP C/C 10PF J 50V 0603 X7R	C26.27
016465001010G	CHIP C/C 100PF J 50V 0603 X7R	C3
016465002000G	CHIP C/C 20P J 50V 0603 X7R	C39.40
016962201060G	CHIP E/C 10uF M 16V 4*5.4 Z5U	C1.28-30,33.35.38,42.46.47,50.56
016965201050G	CHIP E/C 1uF M 50V 4*5.4 Z5U	C19
030100000A00G	BEAD COIL 0805	L1.2
070100002900G	TRN BC846B SOT-23-M REEL(PH)	Q1
080100003100G	IC LD1117S33TR SOT-223-M REEL	U8
080101010800G	IC LM1117S-ADJ/TR SOT223	U3
084100000A1TG	MCU MSP430F1471IPM QFP-64(TI)	U1
084100000B00G	DSP TMS320VC5501PGF300	U2
085100000A00G	IC IS42S16100-7T TSOP (ICSI)	U6
087100000A00G	IC TLV320AIC23BPW(TI)	U10
0D0200070700G	PHONIC NEW-T1 DSP PCB FR-4 DOUBLE-FACED	
016465201040G	CHIP C/C 0.1uF M 50V 0603	C2.6-13.16,22.34.37,43.44,76-86,88-92,22.34.37,43.44, 76-86,88-92,C2.6-12
007200722000G	CHIP RES. 220 J 0603	C13.16

MAIN-PART LIST (10200005010G)

Phonic Part No.	Specifications	Ref.
000104710000G	CF RES. 100 J 1/2W T26mm	R505.506
007200700000G	CHIP RES. 0 J 0603	R367.368,371.372,456
000102722010G	CF RES. 2K2 J 1/8W T	RP5.6,R245A.245B,R144A-144D
00D00G020022G	S.ROT/VR. 20KB 30MM P FUHUA	VR306
007200710000G	CHIP RES. 100 J 0603	R383.515,519
000102733000G	CF RES. 330 J 1/8W T26mm	R378.379,382
00D00G050012G	S.ROT/VR 5KZY L=30MM FUGUI	VR,101A-101D
007200710010G	CHIP RES. 1K J 0603	R317-320,361.362,369.370,409.410
000103710000G	CF RES. 100 J 1/4W T	R487-490
00D00G050024G	S.ROT/VR. 50KB(C.C) 30MM P	VR,102A-102D,103A-103D,104A-104D
007200710020G	CHIP RES. 10K J 0603	R201A-208A,201B-208B,215A.215B,216A.216B,237A.237B, 238A.238B,303.304,307-310,R341-344,363.364,380.381, 437-441,453.454,473-476,321-324,450.451,457, R132A-132D,135A-135D,513,375-377,467.468,483.484, C363.364
000103747000G	CF RES. 470 J 1/4W T	R507.508
00D00G050025G	S.ROT/VR. 50KW(C.C)30MM P	VR,105A-105D,106A-106D,108A-108D,205A.205B
000103747070G	CF RES. 47 J 1/4W T	R491.492
007200710030G	CHIP RES. 100K J 0603	R365.366
00E00E050022G	D.ROT/VR 50KB*2 (C.C) 25MM P	VR301
007200710040G	CHIP RES. 1M J 0603	R133A-133D,225A.225B,226A.226B
000103747080G	CF RES. 4.7 J 1/4W T	R105A-105D,106A-106D
00E00G010021G	D.ROT/VR 10KA/10KC 30MM P	VR,107A-107D,206A.206B
007200710070G	CHIP RES. 10 J 0603	R113A-113D
006102547010G	MF RES. 4K7 F 1/8W T26mm	R111A-111D,112A-112D
00E00G050023G	D.ROT/VR 50KW(C.C) 30MM P	VR204A,204B.207A,207B,302-305,403
007200712000G	CHIP RES. 120 J 0603	R148A-148D,419-422,429.430,442.443,448.449,477-480, 516.516A,520
006102551100G	MF RES. 511 F 1/8W T	R109A-109D,110A-110D
00E00G050024G	D.ROT/VR 50KB(C.C) 30MM P	VR,201A-203A,201B-203B
006102556010G	MF RES. 5K6 F 1/8W T26mm	R116A-116D,117A-117D
007200712030G	CHIP RES. 120K J 0603	RP2
00J005610022G	D.SLD/VR. 10KD*2 60MMP FUHUA	VR401
007200713020G	CHIP RES. 13K J 0603	R122A-122D
006102582000G	MF RES. 820 F 1/8W T26mm	R114A-114D,115A-115D
010331401080G	E/C 1000uF Z 10V D8*14 P	C110A-110D
007200715000G	CHIP RES. 150 J 0603	R521
006103568110G	MF RES. 6K81 F 1/4W T	R103A-103D,104A-104D
067001000100G	LED BL-B5141 RED BAIHONG	LED15-20,22.47.201A,201B,101A-101D
007200715020G	CHIP RES. 15K J 0603	R139A-139D,140A-140D,353.354
010333401060G	E/C 10uF Z 25V 5*11 T	C138A-138D,241A.241B,359.360,445.450,501.502,505.506
067004000000G	LED BL-B3141 YLW BAIHONG	LED9-14.46

Phonic Part No.	Specifications	Ref.
010333404760G	E/C 47uF Z 25V 5*11 T	C211A,211B,212A,212B,225A,225B,231A-234A,231B-234B, 239A,239B,240A,240B,303-306,C311.312,327-330,335.336, 347-350,355.356,369,405-408,415.416,427.428,433, C434.439,443.465,466.471,472.477,478.483,484, 109A-109D,116A-116D,C117A-117D,118A-118D,122A-122D, 123A-123D,132A-132D,133A-133D,137A-137D,226A.226B, C485.486
007200718010G	CHIP RES. 1K8 J 0603	R524
067005000100G	LED BL-B2141 GRN BAIHONG	LED1-8.45
007200720010G	CHIP RES. 2K J 0603	R129A-129D,217A.217B,218A.218B,327.328, 229A.229B, 230A.230B
012333401060G	NP E/C 10uF Z 25V 5*11 T	CA.CB
067007000000G	LED 204UBD D3 BLUE YIGUANG	LED21
007200720020G	CHIP RES. 20K J 0603	R301.302,405.406,411.412,425.426,431.432,435.436, 445.446,461.462,469.470,496-498,R481.482,493.494, 118A-118D,119A-119D,120A-120D,124A-124D,127A-127D
013346402260G	LN E/C 22uF Z 63V 6*11 T	C102A-102D,103A-103D
071000002700G	TRP MJE350 SOT-93-D (ON)	Q501.502
007200722010G	CHIP RES. 2K2 J 0603	R407.408
01A305001230G	M/C 0.012uF J 50V 5T P	C108A-108D,126A-126D,221A-224A,221B-224B
080000006500G	IC NJM4556AL (JRC)	IC411.412
01A305001830G	M/C 0.018uF J 50V 5T P	C125A-125D,127A-127D,217A-220A,217B-220B
007200724030G	CHIP RES. 240K J 0603	R123A-123D
091020300400G	SLD/SW SSK-23E03-G10-NS DONGSH-ENG	SW801
007200727020G	CHIP RES. 27K J 0603	R134A-134D,463.464,501-504
01A305003330G	M/C 0.033uF J 50V 5T P	C124A-124D,128A-128D,213A-216A,213B-216B
092020100000G	PSH/SW 2P2T FUHUA SFPC12MC03-PF	SW,101A-101D,301,401-403
007200730010G	CHIP RES. 3K J 0603	R107A-107D,108A-108D
0610A1302000G	Z/DIODE 1N5225 3V 0.5W	D302
092020200200G	PSH/SW UNLOCK MR4283	SW302.303
007200733000G	CHIP RES. 330 J 0603	R522
0610A1472000G	Z/DIODE 4.7V J 0.5W T	D301
092040200400G	PSH/SW SFPE14MD01-PJ FUHUA	SW,102A-102D,202A.202B,404
062000000100G	DIODE 1N4148	D201A-204A,201B-204B,501-506,101A-101D,102A-102D, 103A-103D,104A-104D
007200733010G	CHIP RES. 3K3 J 0603	RP21,R313-316
09F000000400G	ENCODER SDB161PVB20F-1-4-16PC	SW304
007200736020G	CHIP RES. 36K J 0603	R121A-121D,227A.227B,228A.228B,233A.233B,234A.234B, 325.326,329.330,345.346,349,R350.433,434.447
070000000710G	TRN KTC3198 GR KEC(INSTEAD 2SC1815)	QP3,105A-105D,201A.201B,304-306

Phonic Part No.	Specifications	Ref.
0A1000420300G	4P RCA/J RL-1414-4D KUNYI	JK301
007200739010G	CHIP RES. 3K9 J 0603	R471.472
070000001400G	TRN 2SC2878 TO-92-D REEL(TO)	Q301.302
0A2006020000G	3D5/J EJ 3536B SHUNHE	JK302.303
007200743010G	CHIP RES. 4K3 J 0603	R465.466
070001001010G	TRN KTC3200 KEC(INSTEAD 2SC2240)	Q103A-103D,104A-104D
0A2007010020G	6D3/J JY-6351-02-130 JIETAI	JK304-307
071000000510G	TRP KTA1266-GR KEC(INSTEAD 2SA1015)	Q303
007200743020G	CHIP RES. 43K J 0603	R136A-136D
0A2007020520G	6D3/J JY-6351*02-250 JIETAI	JK,102A-102D,103A-103D,201A.201B,202A.202B,308.309
007200747010G	CHIP RES. 4K7 J 0603	R347.348,485.486,511.512
071000001510G	TRP KTA1268-BL KEC (INSTEAD 2SA970)	Q101A-101D,102A-102D
0A2007020720G	6D3/J JY-6351T*0c-030 JIETAI	JK401-408
007200747020G	CHIP RES. 47K J 0603	R305.306,311.312
0F7000600600G	TINNER WIRE 6MM*D0.6	D303
0A2007021200G	6D4/J YLJ-6405-300 YUQUAN	JKR1.R2,L1.L2
007200747070G	CHIP RES. 47 J 0603	R514
0F7001000600G	TINNER WIRE 10MM*D0.6	
0A2007021300G	6D3/J PLASTIC CONNECTOR	JK409
0F7001250600G	TINNER WIRE 12.5MM D0.6	
007200751000G	CHIP RES. 510 J 0603	R145A.146A,147A.150A,335.403,404.444,452.509,510
0A4003000400G	XLR/J SKCA229-1K3F2 DIGONG	JK,101A-101D
007200768000G	CHIP RES. 680 J 0603	R523
0A7002030602G	20P PIN/S DOUBLE-LINE BOWLEGGED	
007200768010G	CHIP RES. 6K8 J 0603	R211A-214A,211B-214B,231A.231B,232A.232B,235A.235B, 236A.236B,331-334,351.352,402,R401.423,424,125A-125D, 126A-126D,137A-137D,138A-138D,149A-149D
0AA000530100G	5P WAFER/S TJC3-5A PH=2.5MM	CN402
007200768020G	CHIP RES. 68K J 0603	R141A-141D,142A-142D,151A-151D,239A-242A,239B-242B, 244A.244B
0AA001230000G	12P WAFER/P 180 DEGREE PH=2.5MM	CN101
007200775070G	CHIP RES. 75 J 0603	R518
0AA100331300G	3P WAFER/P 440MM PH=2.5MM	JP2
007200782010G	CHIP RES. 8K2 J 0603	R143A-143D,243A.243B
0AA100461300G	4P WAFER/P UL1015#18 200MM	CN1
007200782070G	CHIP RES. 82 J 0603	R517
0AA100540000G	5P WAFER/P 420MM	JP402
007200791000G	CHIP RES. 910 J 0603	R128A-128D,130A-130D,131A-131D,219A-224A,219B-224B
0AA100740000G	7P WAFER/P 300MM	JP6
016465001010G	CHIP C/C 100PF J 50V 0603 X7R	C201A-204A,201B-204B,301.302,321.322,341.342,401.402, 447
0AA101240200G	12P WAFER/P 250MM	JP101

Phonic Part No.	Specifications	Ref.
016465001020G	CHIP C/C 0.001uF J 50V 0603	C141A-141D
0AA102040000G	20P WAFER/P 120MM UL2651#28	JP301
016465001040G	CHIP C/C 0.1uF J 50V 0603 X7R	C370.371
0F516B015000G	WIRE UL1015#16 150MM GRN+YLW	G-G
016465002200G	CHIP C/C 22PF J 50V 0603 X7R	C409.410,479.480,205A-208A,205B-208B,227A.227B, 228A.228B,237A.237B,238A.238B,C309.310,323.324, 331.332,136A-136D,343.344,351.352
0N8001026200G	LED BOSS L=13 KANGYANG LEDS=13	ALL LED
016465002210G	CHIP C/C 220PF J 50V 0603 X7R	C112A-112D,113A-113D,140A-140D,413.414,481.482
0ND000008000G	XLR/J FIBER WAS. T0.8	JK,101A-101D
016465003310G	CHIP C/C 330PF J 50V 0603 X7R	C106A-106D,107A-107D
0ND000010100G	FIBER WAS. T1.0	VR301*2
016465004700G	CHIP C/C 47PF J 50V 0603 X7R	C129A-129D,423.424,429.430,435.436,440.461,462.467, 468.473,474,C139A-139D,245A.245B,246A.246B,313.314,337.338,357.358,487.488
0NG100444100G	ALUMINUM FOIL INSULATION SHEET	JK,102A-102D
016465004730G	CHIP C/C 0.047uF K 50V 0603	C119A-119D,120A-120D,121A-121D
100000005010G	MU200XP MAIN PCB SMD	
016465006810G	CHIP C/C 680PF J 50V 0603 X7R	C104A-104D,105A-105D,111A-111D
016465101030G	CHIP C/C 0.01uF K 50V 0603 X7R	C209A.209B,210A.210B,229A.229B,230A.230B,235A.235B, 236A.236B,325.326,333.334,C353.354,403.404,425.426, 431.432,367.442,463.464,469.470,475.448,449,C476.503,135A.135C
101000005010G	MU200XP MAIN PCB A/I	
080101003700G	IC LM339DT SO-14 (ST/NS)	IC502-506
080102007000G	IC NJM4580M DMP (JRC) 2K SMD	IC,101A-101D,102A.102C,103A.103C,201A-203A,201B-203B, 301-306,401-410,501
0D0000050100G	MU200XP MAIN PCB DOUBLE-FACECD	

MISCELLANEOUS ITEMS (B02001X01000G)

Phonic Part No.	Specifications	Ref.
01J12D201020G	LINE/C 0.001uF M 250V Y2	POWER SW
0G003R00000FG	PANEL POD820 MATERIAL	
0G401P00000FG	BOT COV MU200XP MATERIAL	
0J1001J0000FG	R/BRACKET MU200XP MATERIAL	
0J1001H0000FG	L/BRACKET MU200XP PHONIC	
093010100300G	SSA/SW R612KKAT0F DEYING	SW2
093020400000G	SSW/SW HF-606P DEYING	SW1
0AA100231700G	2P WAFER/P 330MM UL1007#24	
0AE003000000G	AC/S 0717-1-PS LIWEI	SK1
0F5142008001G	M.WIRE UL1015 #20 80MM RED	
0F6150140000G	WIRE W/LVG UL1015 #18 140MM	
0F6160180000G	180MM SINGLE COPPER CORE.SINGLE TIP UL1015 #16	
0F6160180090G	180MM SINGLE COPPER CORE.SINGLE TIP UL1015 #16	
0G003R000000G	PANEL POD820	
0G2032000200G	LEFT SIDE PANEL MM1202	
0G2033000200G	RIGHT SIDE PANEL MM1202	
0G401P000000G	BOT COVER MU200XP PHONIC	
0G7018000200G	HANDLE 10*50 COLOR:WHT	
0G8011000800G	FEET D20*20*8.0MM KANGYANG SF-006	
0H0023001200G	R/KNOB D12.25*18mm GREY	CTRL RM/,SUB MIX*1
0H0023002200G	R/KNOB DEPTH AS HALF KNOB 12 12.25*18	PROGRAM*1
0H0023003200G	R/KNOB D12.25*18mm GREY	LEVEL*6
0H0039002200G	R/KNOB GREY BODY+BLUE CAP	AUX MONI I,/EFX2*12,AUXRTN/ TO,AOX1*2,P,ARAMETER*1
0H0039003200G	R/KNOB GREY BODY+WHT CAP	AUX RTN,1/2EFX
0H0039004200G	R/KNOB GREY BODY+BLUE/GREY CAP	HIGH12K*6,MID2.5K*6,LOW80*6,PAN*6
0H0040000200G	R/KNOB DEPTH AS HALF KNOB 15 BLK	GAIN*4
0H1009057200G	S/KNOB RED BODY+WHT POINT	
0H2028002220G	P/KNOB WHT BODY+COOL GREY 11C	
0J1001H00000G	L/BRACKET MU200XP PHONIC	
0J1001J00000G	R/BRACKET MU200XP PHONIC	
0J3000D04000G	SHIELD CHASSIS T=0.5 SILICA STEEL SHEET	
0K0005A00000G	CARTON POD820 PHONIC	
0K1004L00000G	COLOR BOX POD820	
0K3000R00000G	R/POLYLON MM1202XP	
0K3000S00000G	L/POLYLON MM1202XP	
0K4000500100G	SPONGE 40*10*5	STICKER,JP402*1,SILICA STEET SHEET*3
0K6000400000G	PE BAG #10 240*340*0.05	FOR OWN,MANU
0K6000800000G	PE BAG 500*450*0.05	
0K6003800000G	PE BAG 300*110*0.05	PACK UP POWER CABLE
0K7050000000G	DRYER 5g	

Phonic Part No.	Specifications	Ref.
0K8008300000G	BARCODE LABEL PHONIC TRIPLICATION	
0K8009300000G	INDICATOR LABEL BLUE D=8MM	
0K902001X100G	OWN. MAUN. POD820	
0L0030061000G	M/E FLT SCR. M3.0*6 NI	FIX PANEL&,L/R,PANEL*16,CHASSIS&,L/R BRA*6
0L0030081000G	M/E FLT SCR. M3.0*8 NI D=6	PANEL&,MAIN PCB*9
0L0430041000G	M/E PAN SCR. M3*4 NI D=5.5	CHASSIS&,COPPER RING*4
0L0430061000G	M/E PAN SCR. M3.0*6 NI	COPPER RING&,DSP PCB*4,FIX POWER,PCB*4
0L0430081000G	M/E PAN SCR. M3.0*8 NI D=5.3	FIX,MAIN PCB*9,FIX POWER,PCB*1
0L0530061000G	M/E SET SCR. M3.0*6 NI	FIXED BOT,COV.*8
0L0540142000G	M/E SET SCR. M4*14 BLK	L/R SIDE,PANEL
0L1030081000G	T/P FLT SCR. D3.0*8 NI	MIC JACK*8
0L1530101000G	T/P SET SCR. D3.0*10 NI	REC JACK
0N8000606200G	SPACER SUPPORT H-16 PINGU	PAENL TO,MAIN PCB
0N8002046300G	HEX.BOSS M3.0*8mm	FIXED DSP,PCB &,CHASSIS
0NB001806620G	SPEC FIXED PIN PINGU SR-2 WHT	BOLT
0ND003010810G	FIBER WAS. D3.0*8*1 RED	MAST PCB&,BOSS*9
0ND209010100G	TOOTH WAS. D9*12*1 NI	ALL D6.3,JACK
0ND303005100G	TOOTH WAS. D3.0*D6.5*0.5 NI	GND
0ND603007100G	PAN SPR. WAS. D3.0*6*0.7 NI	GND*1
0NG100114100G	INSU 70*60MM FIREPROOFING	STICK AT SILICA STEEL SHEET,SL1 POSITION
0NG1001A4100G	MAIN PCB INSULATION SHEET 254.3*232.4*0.5	
0NG1001B4100G	BOT. COV INSULATION SHEET PC218*217*2.5	
0NG200060000G	HEMELON 20*70	L/R LED
0NG200080000G	HEMELON 24*12	SW801
0NG200220000G	HEMELON 10*10	
0NG200250000G	HEMELON 85*22	SLIDE VR
0L0530102000G	M/E SET SCR. M3.0*10 BLK	FIXED BOT,COV&HANDLE,*4
0L0540062000G	M/E SET SCR. M4*6 BLK	LEFT/RIGHT SIDE PANEL*,10,BOTTOM PANEL TO FRONT PANEL,*4
0L1430082000G	T/P PAN SCR. D3.0*8 BLK D=5.3	FIXED,PANEL&BACK,PANEL XLR,*10 RCA,JACK*1
0L1540122000G	T/P SET SCR. D4.0*12 BLK	FIXED FEET*4,CABLE-TWISTING RACK*4
0M0003020100G	HEX. NUT M3.0*2.0 NI	POWER SOCK,ET*2 MAIN,PCB*5
0M0006020100G	HEX. NUT M6.0*2.0 NI	GND
0N1000004000G	LUG 6D	GND
0N8000011300G	EARTH BOSS 2+5 NI	FOR GND
0N8000021300G	EARTH BOSS 10+5 NI (GROUNDING TIP)	FOR GND
0N8000246000G	BOSS 15+5	
0N8000606200G	SPACER SUPPORT H-16 PINGU	PCB&TOP,COVER*17
0N8000746000G	BOSS M3(5+8)	

Phonic Part No.	Specifications	Ref.
0N8000776000G	BOSS M3*(8+4) MUSHENG	PCB&CHASSI,S
0N8002006200G	PLASTIC RINGH7+6 M3 INCLUDE M3 PLASTIC NUT	FIXED DSP,PCB*3
0ND003005200G	PLA. WAS. D3.0*D7.0*0.5 BLK	FAN BRKT
0ND003005810G	FIBER WAS. D3*D8*0.5 RED	
0ND003010810G	FIBER WAS. D3.0*8*1 RED	BOSS*11
0ND209010100G	TOOTH WAS. D9*12*1 NI	JK03.04.06,07*3
0ND306006100G	TOOTH WAS. D6.0*D11*0.6 NI	GND*1
0NG100094100G	MYLAR INSV 12*45*1MM	AC SELECT,SW
0NG1000A4100G	ALUMINUM FOIL INSULATION SHEET 7-SEG DIGITAL	
0NG1000B4100G	MYLAR INSU 7-SEG DIGITAL	
0NG100694100G	MYLAR 255*10*1.0t	
0NG100933100G	MYLAR 108.90*77*0.5	SILICA STEEL MASK*1
0NG200020000G	HEMELON 80*12	ALL 60MM,S/VR*15
0NG200080000G	HEMELON 24*12	ALL SW
0NG200220000G	HEMELON 10*10	ALL LED
0NG200240000G	HEMELON 36*10MM	ALL EQ VR*,8
0NG200250000G	HEMELON 85*22	METER LED

POWER REQUIREMENT CLASSIFICATION

Ref.	Phonic Part No.	Specifications
UL	0C0063630000G 0F0081001720G	FUSE 6.3A 250V VDE/CE 5.2*20 P/CORD 120V 10A UL
BS	0C0063315001G 0F0261001420G 0K8000100100G 0K8009200000G	FUSE 3.15A 250V UL/CSA/JIS P/CORD 240V 10A BS POWER LABEL (ONLY USED IN BS) WEEE LABEL 230/240V PET
SA	0C0063315001G 0F0270601220G	FUSE 3.15A 250V UL/CSA/JIS P/CORD 6A 250V SA 1.8M 3P
SAA	0C0063315001G 0F0111001820G	FUSE 3.15A 250V UL/CSA/JIS P/CORD 240V 10A SAA
IEC	0C0063315001G 0F0151001321G 0K8009200000G	FUSE 3.15A 250V UL/CSA/JIS P/CORD 230V 10A FRANCE STANDARD CONNECTOR+STANDARD JACK WEEE LABEL 230/240V PET
JIS	0C0063630000G 0F0160701620G	FUSE 6.3A 250V VDE/CE 5.2*20 P/CORD 100V 7A 125V 2P JIS

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