

Service Manual



Pre Amplifier

PP-6214

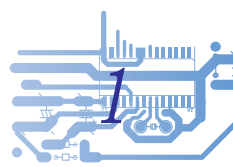
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SPECIFICATIONS

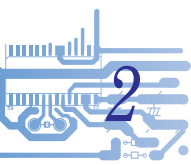
	PP-6214
Frequency Response (+1dB/-3dB)	20Hz-20kHz
Total Harmonic Distortion	Less than 0.5%
Input Sensitivity/Impedance	
Mic Input 1-8	-60dB/600Ω, Balanced
Line Input 2-8	-30dB/10kΩ, Balanced
Line Input 9-12	+4dB, -10dB, -20dBm/10kΩ, Unbalanced
Priority In	0dB/10kΩ
Output/Impedance	
Ch 1-2 (Master)	+4dB/600Ω, Balanced
Rec Out	-10dB/10kΩ, Unbalanced
Insert	0dB/10kΩ, Unbalanced
Residual Noise	
All Faders Min	90dB
All Faders Min, Master Fader Max	70dB
Crosstalk	
Input to Output	70dB
Adjacent	70dB
Power Source	100–120VAC or 220–240VAC; 50/60Hz, 24VDC Auto-Switching (Supplied AC mains transformer depends on country requirements)
Power Consumption	9.8W
Weight (SET)	5kg/11lb
Dimensions (SET)	482(W)x88(H)x280(D)mm/19(W)x3.5(H)x11(D)in

* Design and specification are subject to be changed for the improvement of product quality without pre notice.



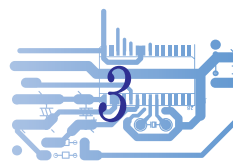
ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
INPUT MIC			
C64 J1 J15 J17 J18 J2 J20 J22 J23 J24 J25 J26 J28 J29 J3 J30 J31 J32 J33 J34 J48 J49 J59 J60 J61 J62 J63 J69 J70 J71 J72 J78 J81 J84 J85 J86 J87 J88 J89 J90 J91	102394	JUMP WIRE(0.5/52M/M)	
Q200 Q300 Q400 Q500 Q600 Q700 Q800	102540	TR,SG,NPN,300MA,20V,KTD1302,TO-92,TA	
D951	102690	DIODE,S-RE,1A,50V,SR105,DO-41,TA	
D1300	102737	DIODE,ZN,500MW,BM,12V,DO-35,TA	
IC100 IC200 IC300 IC400 IC500 IC600 IC700 IC800	102815	IC,OP AMP,NJM2068DD,DIP8	
IC01 IC02	102888	IC,OP AMP,NJM4580D,DIP8	
IC950	103064	IC KA7818 COMMON	
FB100 FB101 FB200 FB201 FB300 FB301 FB400 FB401 FB500 FB501 FB600 FB601 FB700 FB701 FB800 FB801	103536	INDUCTOR,BEAD,2550,AX,TA	
R1302 R1408 R1410	104234	RES,MF,10,1/5W,5%,AX N,TA	
R1309 R1317	104235	RES,MF,100,1/5W,5%,AX N,TA	
R1301	104236	RES,MF,1K,1/5W,5%,AX N,TA	
R11 R12 R1310 R1318 R17 R18 R213 R214 R216 R313 R314 R316 R413 R414 R416 R513 R514 R516 R613 R614 R616 R713 R714 R716 R813 R814 R816	104237	RES,MF,10K,1/5W,5%,AX N,TA	
R1322 R1323	104252	RES,MF,13K,1/5W,5%,AX N,TA	
R1304 R1305 R1306 R1307 R1308 R1312 R1313 R1314 R1315 R1316	104256	RES,MF,1.5K,1/5W,5%,AX N,TA	
R104 R105 R1100 R1200 R1412 R1413 R1414 R1415 R200 R201 R204 R205 R300 R301 R304 R305 R400 R401 R404 R405 R500 R501 R504 R505 R600 R601 R604 R605 R700 R701 R704 R705 R800 R801 R804 R805	104257	RES,MF,15K,1/5W,5%,AX N,TA	
R01 R02 R07 R08 R1303	104269	RES,MF,1.8K,1/5W,5%,AX N,TA	
R1132 R1230 R236 R336 R436 R536 R619 R736 R836	104295	RES,MF,2.7K,1/5W,5%,AX N,TA	
R108 R109 R208 R209 R308 R309 R408 R409 R508 R509 R608 R609 R708 R709 R808 R809	104307	RES,MF,330,1/5W,5%,AX N,TA	
R206 R207 R306 R307 R406 R407 R506 R507 R606 R607 R706 R707 R806 R807	104309	RES,MF,33K,1/5W,5%,AX N,TA	
R237 R238 R337 R338 R437 R438 R537 R538 R637 R638 R737 R738 R837 R838	104310	RES,MF,330K,1/5W,5%,AX N,TA	
R09 R10	104329	RES,MF,470,1/5W,5%,AX N,TA	
R03 R04 R05 R06 R111 R112 R13 R14 R1401 R1403 R1406 R1407 R15 R16 R211 R212 R217 R218 R311 R312 R317 R318 R411 R412 R417 R418 R511 R512 R517 R518 R611 R612 R617 R618 R711 R712 R717 R718 R811 R812 R817 R818 R1409 R1411	104333	RES,MF,47K,1/5W,5%,AX N,TA	
	104345	RES,MF,560,1/5W,5%,AX N,TA	



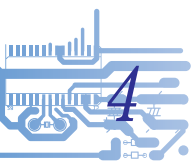
ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R1131 R1232	104346	RES,MF,5.6K,1/5W,5%,AX N,TA	
R219 R319 R419 R519 R636 R719			
R819	104348	RES,MF,560K,1/5W,5%,AX N,TA	
R102 R103 R202 R203 R302 R303			
R402 R403 R502 R503 R602 R603			
R702 R703 R802 R803	104361	RES,MF,6.8K,1/5W,5%,AX N,TA	
R110 R1302 R1321 R210 R310 R410			
R510 R610 R710 R810 R1400 R1402			
R1404 R1405	104362	RES,MF,68K,1/5W,5%,AX N,TA	
J1301 J1302	104367	RES,MF,7.5K,1/5W,5%,AX N,TA	
R215 R315 R415 R515 R615 R715			
R815	104372	RES,MF,8.2K,1/5W,5%,AX N,TA	
R954	104454	RES,MF,10,1W,5%,RA R	
R953	104532	RES,MF,1K,2W,5%,RA R,TA	
R950	104668	RES,MF,4.7,2W,5%,RA R,TA	
R19	104810	RES,FS,MF,10,1/4W,5%,RA R,TA,CR14	
VR1300 VR1301	105101	VR,SLIDE,HOR,1U,T45,L15,10K,A,CC	
C952 C956	105363	CAP GS 1000UF 35V	
C13 C18	105405	CAP,E,SD,85C,10UF,50V,M,5X11,TA	
C03 C06 C09 C102 C103 C106 C107			
C11 C1101 C12 C1201 C1304 C14			
C202 C203 C206 C207 C208 C209			
C214 C215 C216 C218 C219 C302			
C303 C306 C307 C308 C309 C314			
C315 C316 C318 C319 C402 C403			
C406 C407 C408 C409C414 C415			
C416 C418 C419 C502 C503 C506			
C507 C508 C509 C514 C515 C516			
C518 C519 C602 C603 C606 C607			
C608 C609 C614 C615 C616 C618			
C619 C702 C703 C706 C707 C708			
C709 C713 C714 C715 C717 C719			
C802 C803 C806 C807 C808 C809			
C813 C814 C815 C817 C819 LD1301			
LD1311	105504	CAP,E,SM,SD,85C,47UF,25V,M,5X11,TA	
C951	105651	CAP,E,LSW,HS,85C,8200UF,50V	
C953 C113 1131 C114 C1229 C1231			
C133 C234 C235 C335 C427 C435			
C527 C535 C627 C635 C727 C735			
C827 C835	105670	CAP,CE,HI-DI,0.01UF,500V,Z,RA,TA	
C950	105789	CAP,CE,AC,Y2/X1,0.01UF,250VAC,M,RA	
	106462	PCB,FR1,1.6T,330X247,INPUT MIC,PP-9214	
AN1153	109457	CON ASS'Y,FL,4P,GH-04,5295,120MM	
AN100 AN300 AN500 AN700	109536	CON ASS'Y,DS,6P,GH-06,GBH01,80MM	
AN1154	109537	CON ASS'Y,DS,2P,5264,GBH01,200MM	
AN954	109538	CON ASS'Y,DS,2P,5264,GBH01,270MM	
AN1101 AN1201	109539	CON ASS'Y,SH,4P,GH-04,GBH01,250MM	
AN121 AN221 AN321 AN421 AN521			
AN621 AN721 AN821	109541	CON ASS'Y,SH,2P,5264,GBH01,110MM	
AN951	109542	CON ASS'Y,DS,3P,GH-03,GBH01,150MM	
AN1152	109543	CON ASS'Y,SH,4P,GH-04,5295,290MM	
AN1155	109544	CON ASS'Y,DS,4P,GH-04,5295,120MM	
GNDB0	109547	CON ASS'Y,DS,1P,ST4.2,P1.8,170MM	
AN953	109550	CON ASS'Y,DS,6P,5295,MULTI,280MM	
GNDA0	109553	CON ASS'Y,DS,1P,P1.8,BLI01,250MM	
JK1400 JK1401	110897	JACK,XLR(M),1U,3P,AN,E503A0150N	
CN1001 CN1152 CN901	111287	CON WAFER,LOCK(M),04,AN	



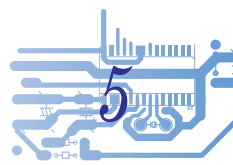
ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
CN951	111293	CON WAFER,BOX(M),03P,ST	
AN115 CN1153 CN1155 CN953A0	111294	CON WAFER,BOX(M),4P,ST,2.4MM,GW-04	
CN100 CN300 CN500 CN700			
CN754A0 CN754B0	111296	CON WAFER,BOX(M),6P,ST,2.5MM,GW-06	
AN955 CN900 CN955	111324	LOCK WAFER 2 LW-1143-03P	
CN1154 CN122A0 CN122B0			
CN953B0 CN954	111357	CON WAFER,BOX(M),2P,ST,2.5MM	
CN950	111358	CON WAFER,BOX(M),3P,ST,2.5MM	
JK950	111590	TERMINAL,DC,2P,19MM,AN,V-0	
JK1100 JK1101 JK1200 JK1201			
JK200 JK300 JK400 JK500 JK600			
JK700 JK800	111603	JACK,PHONE,1U,4P,AN,H10480N30S	
JK1402 JK1403 JK1405 JK1406			
JK1408 JK1409	111662	JACK,PHONE,1U,5P,ST	
JK101 JK201 JK301 JK401 JK501			
JK601 JK701 JK801	111674	JACK,XLR(F),1U,3P,AN,E203A0031N	
JK1404 JK1407	111685	JACK,RCA,2U,2P,2/ST	
AC1	111806	AC INLET (B'D IN TYPE)	
F200 F201	111857	FUSE CLIP 5*20 PIN1.2MM	
F100	111858	FAU-0031.3577 SCHURTER PU-3210	
SW950	112093	SW,PUSH,VER,SPDT,NS,1U,L6.5	
SW150	112098	SW,PUSH,HOR,DPDT,NS,1U,L18,SPUN19X1M011	
S1	112147	SW,POWER,PUSH,HOR,DPST,10A,250V	
H33	112218	CNT PLUG 1P	
	112256	CAPACITOR TUBE MA-150	
BK14 BK15 BK16	113482	BKT PCB/TM-9043/SPTE 0.8T	
BK9	113486	PCB BKT MX-400	
BK1 BK2 BK3 BK5 BK6 BK7	113528	BRACKET PCB PS-A152	
	114266	HEAT SINK(45MM) REG TR	
	114559	SCREW #2WPTC 4X8B	
	122404	CAP,E,SHL,85C,220UF,25V,M,6.3X11,TA	
C07 C10 C17 C2 C20			
C104 C105 C1130 C1230 C1400			
C1401 C1402 C1403 C1404 C1405			
C1406 C1407 C200 C201 C204 C205			
C300 C301 C304 C305 C400 C401			
C404 C405 C500 C501 C504 C505			
C600 C601 C604 C605 C700 C701			
C704 C705 C800 C801 C804 C805	122491	CAP,CE,470PF,50V,K,AX,TA	
C05 C08 C111 C15 C16 C211 C311			
C411 C511 C611 C711 C811 C217			
C317 C417 C517 C617 C716 C816			
C110 C112 C210 C213 C310 C312			
C410 C412 C510 C512 C610 C612			
C710 C712 C810 C812	122492	CAP,CE,TEMP,SL,10PF,50V,J,AX,TA	
CN750	123739	WAFER,LOCK(M),10P,2.54MM,ST, HIF3FB-10PA	
IC1300 IC1301	125599	IC,DRIVER,LA2284A,SIP9	
C04 C1302 C1303 LD1300	126936	CAP,E,SM,SRE,85C,4.7UF,50V,M,5X5,TA	
C957	127685	CAP,E,SM,SHL,85C,100UF,25V,M,6.3X11,TA	
D952	128398	DIODE,BR,4A,200V,KBL402,BULK,PEC	
C01	129891	LED,RN,3.1mm,RED,DIF,1U,ST2.5,TAPE	
LD1303 LD1304 LD1308 LD1309	129891	LED,RN,3.1mm,RED,DIF,1U,ST2.5,TAPE	
C1301 C1305 LD1302 LD1305			
LD1306 LD1307 LD1310	129977	LED,Round,ST2.54,Green,DIP,TAPE	
C954 C955	132223	CAP,CE, 0.1UF, ±80 ~ -20%, 100V, TAPE	
	133092	ASSY SCREW(HEAT-SINK) 2BTC 3X8Y	



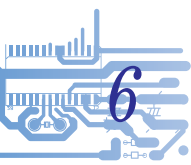
ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
MONO CH1			
H5 J1 J10 J100 J101 J104 J105 J106 J107 J108 J110 J111 J112 J113 J114 J115 J116 J117 J118 J119 J120 J2 J23 J25 J26 J3 J31 J32 J33 J34 J35 J37 J38 J39 J4 J40 J41 J42 J43 J44 J47 J48 J49 J5 J50 J51 J52 J55 J59 J6 J60 J62 J63 J64 J65 J66 J68 J7 J8 J9 J98 J99	102394	JUMP WIRE(0.5/52M/M)	
Q1101 Q1102 Q1110 Q150 Q151 Q152	102525	TR,SG,NPN,150MA,50V,KTC3198Y,TO-92,TA	
Q900 Q901 Q903 Q904	102540	TR,SG,NPN,300MA,20V,KTD1302,TO-92,TA	
D1101 D1102 D1103 D1104 D1110 D121 D150 D151 D152 D153 D154 D155 D211 D321 D421 D900 D901 D120 D220 D320 D420	102687 102725	DIODE,SW,100MA,75V,1N4148M,DO-34M,TA DIODE,ZN,500MW,BM,7.5V,DO-35,TA	
IC1111 IC120 IC220 IC320 IC420 IC900	102815	IC,OP AMP,NJM2068DD,DIP8	
IC1110 IC150 IC901	102816	IC,OP AMP,NJM4558D,DIP8	
R1101	104235	RES,MF,100,1/5W,5%,AX N,TA	
R1102	104236	RES,MF,1K,1/5W,5%,AX N,TA	
R124 R125 R129 R157 R224 R225 R229 R324 R325 R329 R424 R425 R429 R902 R903 R916 R917 R924 R925	104237	RES,MF,10K,1/5W,5%,AX N,TA	
R132 R232 R332 R432	104239	RES,MF,1M,1/5W,5%,AX N,TA	
R1155	104240	RES,MF,10M,1/5W,5%,AX N,TA	
R918 R919	104243	RES,MF,11K,1/5W,5%,AX N,TA	
R121 R221 R321 R421	104245	RES,MF,120,1/5W,5%,AX N,TA	
R1103	104248	RES,MF,1.2K,1/5W,5%,AX N,TA	
R1156 R1157	104250	RES,MF,120K,1/5W,5%,AX N,TA	
R908 R909	104252	RES,MF,13K,1/5W,5%,AX N,TA	
R152	104258	RES,MF,150K,1/5W,5%,AX N,TA	
R904 R936	104268	RES,MF,180,1/5W,5%,AX N,TA	
R1104 R134 R234 R334 R434 R130 R131 R162 R230 R231 R330 R331 R430 R431 R926 R927	104269 104270	RES,MF,1.8K,1/5W,5%,AX N,TA RES,MF,18K,1/5W,5%,AX N,TA	
R906 R907	104272	RES,MF,180K,1/5W,5%,AX N,TA	
R155	104281	RES,MF,2.2K,1/5W,5%,AX N,TA	
R1112 R156	104284	RES,MF,2.2M,1/5W,5%,AX N,TA	
R1153 R1154 R930 R931	104295	RES,MF,2.7K,1/5W,5%,AX N,TA	
R1108 R133 R233 R333 R433	104297	RES,MF,270K,1/5W,5%,AX N,TA	
R1114 R158 R161	104306	RES,MF,33,1/5W,5%,AX N,TA	
R1150 R159 R912 R913	104309	RES,MF,33K,1/5W,5%,AX N,TA	
R120 R220 R320 R420	104317	RES,MF,3.9K,1/5W,5%,AX N,TA	
R1113 R160 R163	104319	RES,MF,39K,1/5W,5%,AX N,TA	
R1117 R1118	104320	RES,MF,390K,1/5W,5%,AX N,TA	
R128 R228 R328 R428 R922 R923 R1105 R1106 R1109 R1109 R1110 R1111 R1151 R1152 R1158 R1159 R122 R123 R126 R127 R150 R153 R154 R222 R223 R226 R227 R322 R323 R326 R327 R422 R423 R426 R427 R914 R915 R920 R921	104332 104333 104333	RES,MF,4.7K,1/5W,5%,AX N,TA RES,MF,47K,1/5W,5%,AX N,TA RES,MF,47K,1/5W,5%,AX N,TA	
R1115 R1116	104346	RES,MF,5.6K,1/5W,5%,AX N,TA	
R1120 R1121 R910 R911	104347	RES,MF,56K,1/5W,5%,AX N,TA	
R928 R929	104348	RES,MF,560K,1/5W,5%,AX N,TA	



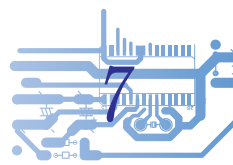
ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
R905 R935	104360	RES,MF,680,1/5W,5%,AX N,TA	
R934 R937	104371	RES,MF,820,1/5W,5%,AX N,TA	
R1119 R135 R235 R335 R435 R900	104810	RES,FS,MF,10,1/4W,5%,RA R,TA,CR14	
VR101 VR1153 VR201 VR301 VR401			
VR900	105103	VR,ROT,HOR,1U,BUSH,L22.5,20K,A	
VR100 VR200 VR300 VR400	105274	VR,ROT,HOR,1U,BUSH,L17.5,20K,A	
VR1150 VR1151 VR1152	105275	VR,ROT,HOR,1U,L17.5,50K,B,CC	
C1104 C1109 C1159	105405	CAP,E,SD,85C,10UF,50V,M,5X11,TA	
C920 C921 C925 C926	105463	CAP,E,SM,SG,85C,22UF,50V,M,5P,TA	
C1102 C1110 C1114 C1115 C1153			
C1154 C1160 C122 C123 C126 C127			
C131 C153 C154 C222 C223 C224			
C226 C231 C322 C323 C324 C326			
C331 C422 C423 C424 C426 C431			
C902 C903 C904 C905 C908 C909			
C910 C911 C912 C913 C916 C917			
C918 C919	105504	CAP,E,SM,SD,85C,47UF,25V,M,5X11,TA	
C1112 C156 C167 C159	105820	CAP,FILM,POLYESTR,0.01UF,100V,J,TA	
C1111 C1113 C155	105822	CAP,FILM,POLYESTR,SM,0.1UF,100V,J,TA	
C1157	105861	CAP,FILM,POLYESTR,0.0047UF,100V,J,TA	
	106461	PCB,FR1,1.6T,247X247,MONO CH1,PP-9214	
CN122	109540	CON ASS'Y,SH,4P,GBH01,5264,180MM	
CN1150 CN901	111287	CON WAFER,LOCK(M),04,AN	
CN1100 CN120 CN220 CN320			
CN420 CN900	111312	CON WAFER,BOX(M),10P,2/AN	
CN1101 CN121 CN221 CN321 CN421	111343	CON WAFER,BOX(M),3P,AN,2.5MM	
SW100 SW101 SW200 SW201			
SW300 SW301 SW400 SW401			
SW900 SW901	112098	SW,PUSH,HOR,DPDT,NS,1U,L18,SPUN19X1M011	
BK900	113454	GUIDE BKT (UT-355R)	
C1150 C120 C158 C160 C220 C320			
C420	122404	CAP,E,SHL,85C,220UF,25V,M,6.3X11,TA	
C1152	122488	CAP,CE,220PF,50V,K,AX,TA	
C1103 C1158	122491	CAP,CE,470PF,50V,K,AX,TA	
C1151 C1155 C152 C914 C915	122492	CAP,CE,TEMP,SL,10PF,50V,J,AX,TA	
C125 C225 C325 C425	122494	CAP,CE,TEMP,SL,22PF,50V,J,AX,TA	
C1108	122496	CAP,CE,TEMP,SL,33PF,50V,J,AX,TA	
C121 C221 C321 C421	122497	CAP,CE,TEMP,SL,47PF,50V,J,AX,TA	
C1156	122515	CAP,CE,TEMP,SL,4.7PF,50V,D,AX,TA	
SW902	126165	SW,SLIDE,SK23N04E12-2500,HORIZONTAL,12MM	
C1105 C124 C128 C129 C227 C228			
C229 C327 C328 C329 C427 C428			
C429	126712	CAP,E,SM,SD,85_,4.7UF,50V,M,5*11,TA	
C1106 C1107 C1116 C1161 C132			
C150 C151 C232 C332 C432 C922			
C923 C924	127685	CAP,E,SM,SHL,85C,100UF,25V,M,6.3X11,TA	
LD120 LD220 LD320 LD420	129891	LED,RN,3.1mm,RED,DIF,1U,ST2.5,TAPE	
Q120 Q220 Q320 Q420	131076	TR,NPN,KEC,KTC3112-B-AT/P,AMMO PACK	
MONO CH2			
H22 J1 J10 J100 J101 J104 J105 J106			
J107 J108 J110 J111 J112 J113 J114			
J115 J116 J117 J118 J119 J120 J2			
J23 J25 J26 J3 J33 J34 J35 J38 J39			
J4 J41 J42 J5	102394	JUMP WIRE(0.5/52M/M)	
J52 J55 J59 J6 J60 J62 J63 J64 J65			
J66 J68 J7 J8 J9 J98 J99	102394	JUMP WIRE(0.5/52M/M)	



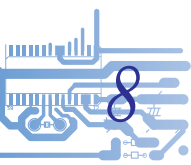
ELECTRICAL PARTS LIST

REF	ITEM NO.	DEFINE	VALUE
Q1201 Q1202 Q1210	102525	TR,SG,NPN,150MA,50V,KTC3198Y,TO-92,TA	
Q1000 Q1001 Q1003 Q1004	102540	TR,SG,NPN,300MA,20V,KTD1302,TO-92,TA	
D1000 D1001 D1201 D1202 D1203			
D1204 D1210 D521 D621 D721 D821	102687	DIODE,SW,100MA,75V,1N4148M,DO-34M,TA	
D520 D620 D720 D820	102725	DIODE,ZN,500MW,BM,7.5V,DO-35,TA	
IC1000 IC1211 IC520 IC620 IC720			
IC820	102815	IC,OP AMP,NJM2068DD,DIP8	
IC1001 IC1210	102816	IC,OP AMP,NJM4558D,DIP8	
R1201	104235	RES,MF,100,1/5W,5%,AX N,TA	
R1202	104236	RES,MF,1K,1/5W,5%,AX N,TA	
R1002 R1003 R1016 R1017 R1024			
R1025 R524 R525 R529 R624 R625			
R629 R724 R725 R729 R824 R825			
R829	104237	RES,MF,10K,1/5W,5%,AX N,TA	
R532 R632 R732 R832	104239	RES,MF,1M,1/5W,5%,AX N,TA	
R1255	104240	RES,MF,10M,1/5W,5%,AX N,TA	
R1018 R1019	104243	RES,MF,11K,1/5W,5%,AX N,TA	
R521 R621 R721 R821	104245	RES,MF,120,1/5W,5%,AX N,TA	
R1203	104248	RES,MF,1.2K,1/5W,5%,AX N,TA	
R1256 R1257	104250	RES,MF,120K,1/5W,5%,AX N,TA	
R1008 R1009	104252	RES,MF,13K,1/5W,5%,AX N,TA	
R1004 R1036	104268	RES,MF,180,1/5W,5%,AX N,TA	
R1204 R534 R634 R734 R834	104269	RES,MF,1.8K,1/5W,5%,AX N,TA	
R1026 R1027 R530 R531 R630 R631			
R730 R731 R830 R831	104270	RES,MF,18K,1/5W,5%,AX N,TA	
R1006 R1007	104272	RES,MF,180K,1/5W,5%,AX N,TA	
R1212	104284	RES,MF,2.2M,1/5W,5%,AX N,TA	
R1030 R1031 R1253 R1254 R1208			
R533 R633 R733 R833	104295	RES,MF,2.7K,1/5W,5%,AX N,TA	
R1214	104306	RES,MF,33,1/5W,5%,AX N,TA	
R1012 R1013 R1250	104309	RES,MF,33K,1/5W,5%,AX N,TA	
R520 R620 R720 R820	104317	RES,MF,3.9K,1/5W,5%,AX N,TA	
R1213	104319	RES,MF,39K,1/5W,5%,AX N,TA	
R1217 R1218	104320	RES,MF,390K,1/5W,5%,AX N,TA	
R1022 R1023 R528 R628 R728 R828	104332	RES,MF,4.7K,1/5W,5%,AX N,TA	
R1014 R1015 R1020 R1021 R1205			
R1206 R1207	104333	RES,MF,47K,1/5W,5%,AX N,TA	
R1209 R1210 R1211 R1251 R1252			
R1258 R1259	104333	RES,MF,47K,1/5W,5%,AX N,TA	
R522 R523 R526 R527 R622 R623			
R626 R627 R722 R723 R726 R727			
R822 R823 R826 R827	104333	RES,MF,47K,1/5W,5%,AX N,TA	
R1215 R1216	104346	RES,MF,5.6K,1/5W,5%,AX N,TA	
R1010 R1011 R1220 R1221	104347	RES,MF,56K,1/5W,5%,AX N,TA	
R1028 R1029	104348	RES,MF,560K,1/5W,5%,AX N,TA	
R1005 R1035	104360	RES,MF,680,1/5W,5%,AX N,TA	
R1034 R1037	104371	RES,MF,820,1/5W,5%,AX N,TA	
R1000 R1219 R535 R635 R735 R835	104810	RES,FS,MF,10,1/4W,5%,RA R,TA,CR14	
VR1253 VR501 VR601 VR701 VR801	105103	VR,ROT,HOR,1U,BUSH,L22.5,20K,A	
VR1000	105126	VR,ROT,HOR,2U,BUSH,L22.5,20K,A	
VR500 VR600 VR700 VR800	105274	VR,ROT,HOR,1U,BUSH,L17.5,20K,A	
VR1250 VR1251 VR1252	105275	VR,ROT,HOR,1U,L17.5,50K,B,CC	
C1204 C1209 C1259	105405	CAP,E,SD,85C,10UF,50V,M,5X11,TA	
C1020 C1021 C1025 C1026	105463	CAP,E,SM,SG,85C,22UF,50V,M,5P,TA	

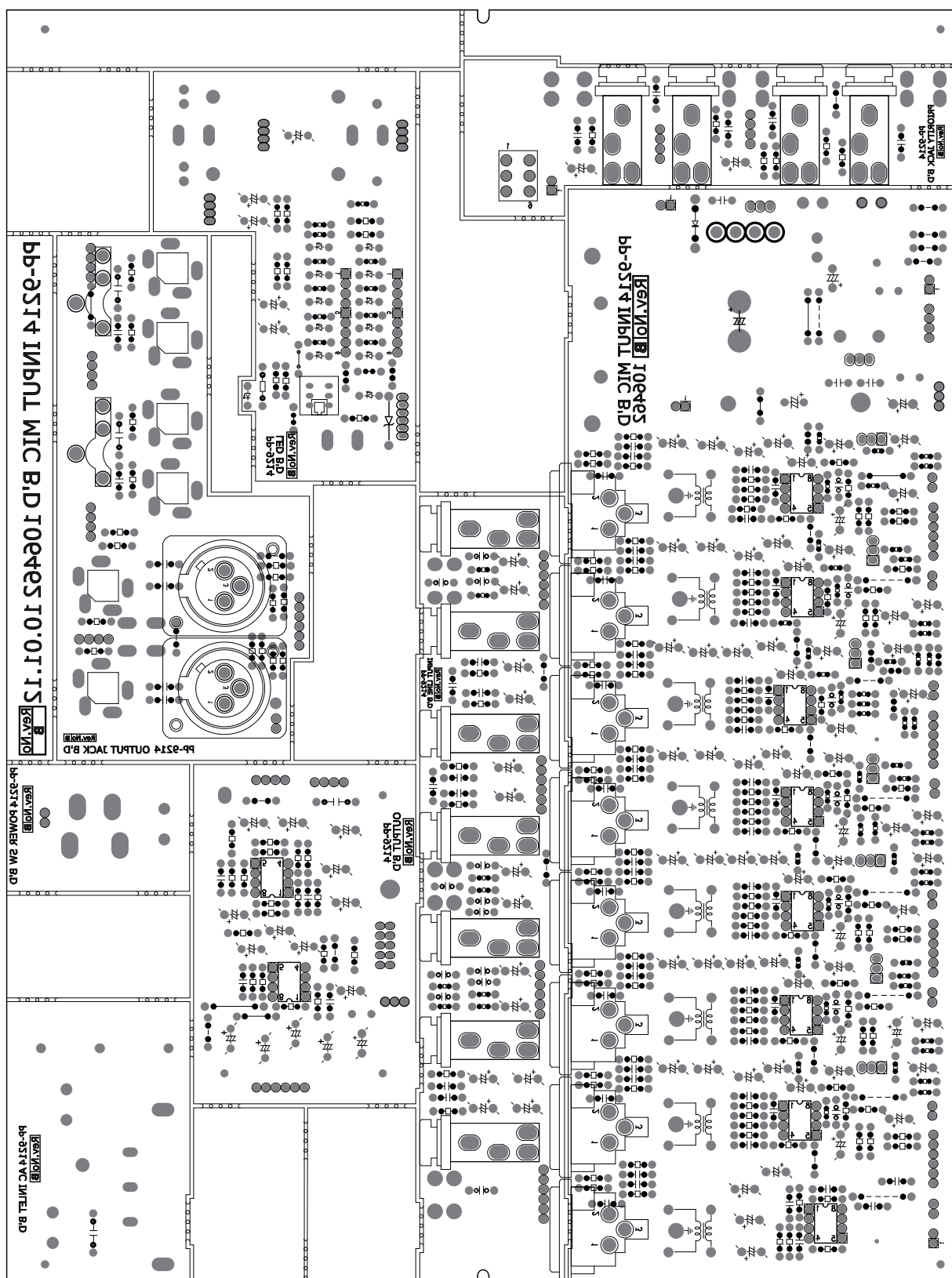


ELECTRICAL PARTS LIST

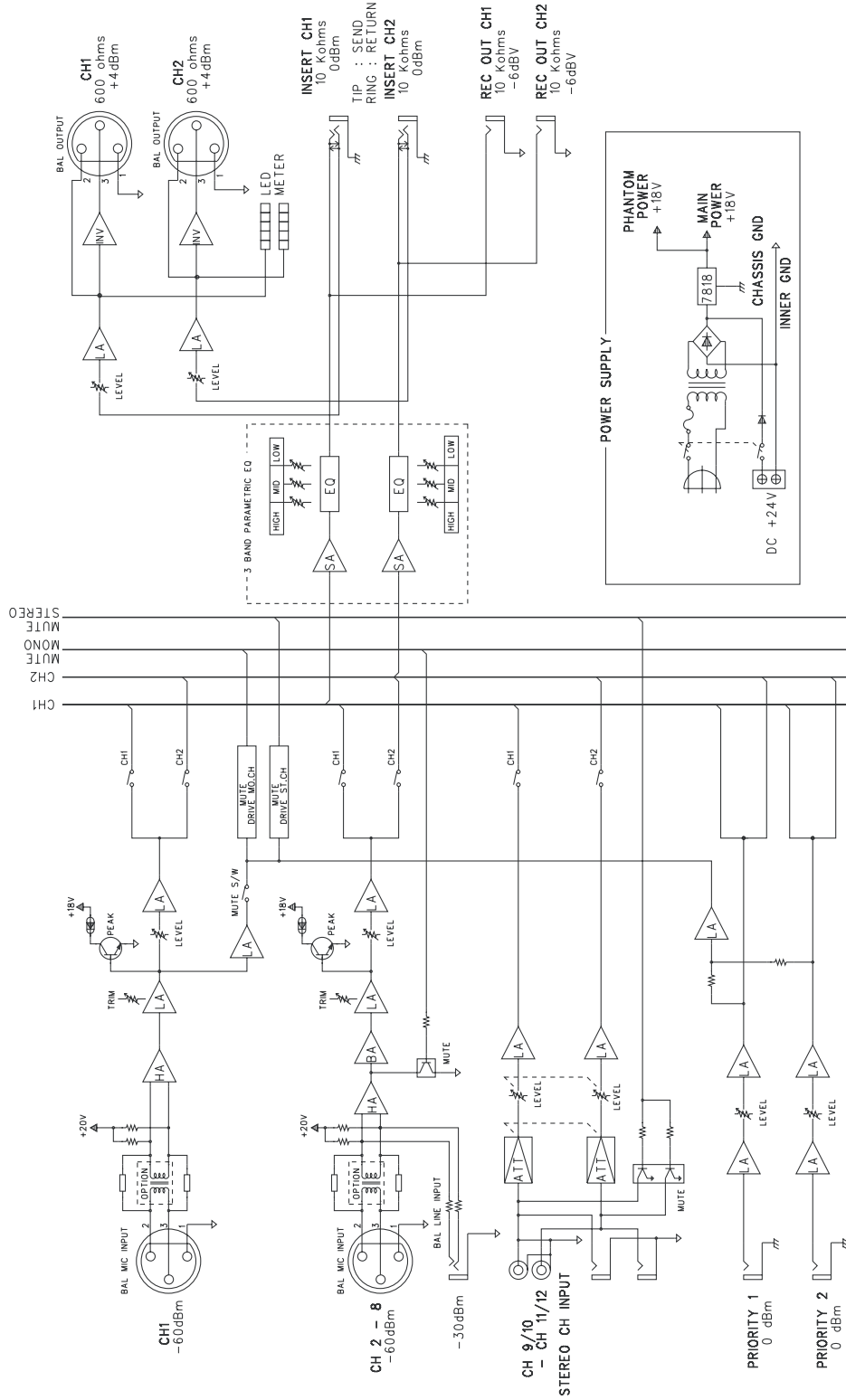
REF	ITEM NO.	DEFINE	VALUE
C1002 C1003 C1004 C1005 C1008 C1009 C1010 C1011 C1012 C1013 C1016 C1017 C1018 C1019 C1202 C1210 C1214 C1215 C1253 C1254 C1260 C522 C523 C524 C526 C531 C622 C623 C624 C626 C631 C722 C723 C724 C726 C731 C822 C823 C824 C826 C831 C1212 C1211 C1213 C1257	105504 105820 105822 105861 106460 111287	CAP,E,SM,SD,85C,47UF,25V,M,5X11,TA CAP,FILM,POLYESTR,0.01UF,100V,J,TA CAP,FILM,POLYESTR,SM,0.1UF,100V,J,TA CAP,FILM,POLYESTR,0.0047UF,100V,J,TA PCB,FR1,1.6T,247X247,MONO CH5,PP-9214 CON WAFER,LOCK(M),04,AN	
CN1001 CN1250 CN1000 CN1200 CN520 CN620 CN720 CN820 CN1201 CN521 CN621 CN721 CN821 SW1000 SW1000 SW1001 SW500 SW501 SW600 SW601 SW700 SW701 SW800 SW801 BK1000 C1250 C520 C620 C730 C820 C1252 C1203 C1258 C1014 C1015 C1251 C1255 C525 C625 C725 C825 C1208 C521 C621 C721 C821 C1256 SW1002 C1205 C527 C528 C529 C627 C628 C629 C727 C728 C729 C827 C828 C829 C1022 C1023 C1024 C1206 C1207 C1216 C1261 C1262 C532 C632 C732 C832 LD520 LD620 LD720 LD820 Q520 Q620 Q720 Q820	111312 111343 112098 113454 122404 122488 122491 122492 122496 122497 126165 126712 127685 129891 131076	CON WAFER,BOX(M),10P,2/AN CON WAFER,BOX(M),3P,AN,2.5MM SW,PUSH,HOR,DPDT,NS,1U,L18,SPUN19X1M011 GUIDE BKT (UT-355R) CAP,E,SHL,85C,220UF,25V,M,6.3X11,TA CAP,CE,220PF,50V,K,AX,TA CAP,CE,470PF,50V,K,AX,TA CAP,CE,TEMP,SL,10PF,50V,J,AX,TA CAP,CE,TEMP,SL,33PF,50V,J,AX,TA CAP,CE,TEMP,SL,47PF,50V,J,AX,TA SW,SLIDE,SK23N04E12-2500,HORIZONTAL,12MM CAP,E,SM,SD,85_,4.7UF,50V,M,5*11,TA CAP,E,SM,SHL,85C,100UF,25V,M,6.3X11,TA LED,RN,3.1mm,RED,DIF,1U,ST2.5,TAPE TR,NPN,KEC,KTC3112-B-AT/P,AMMO PACK	







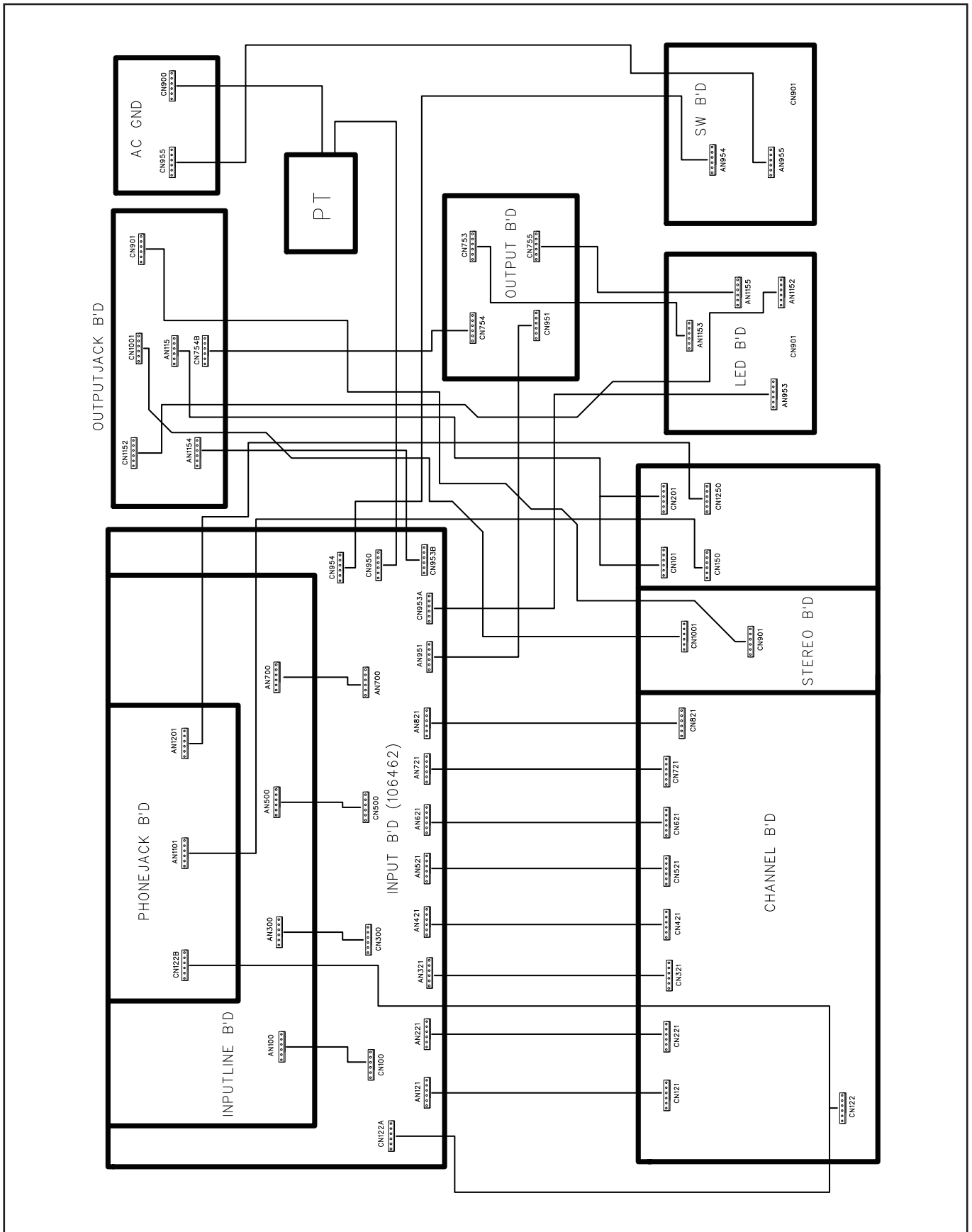
BLOCK DIAGRAM



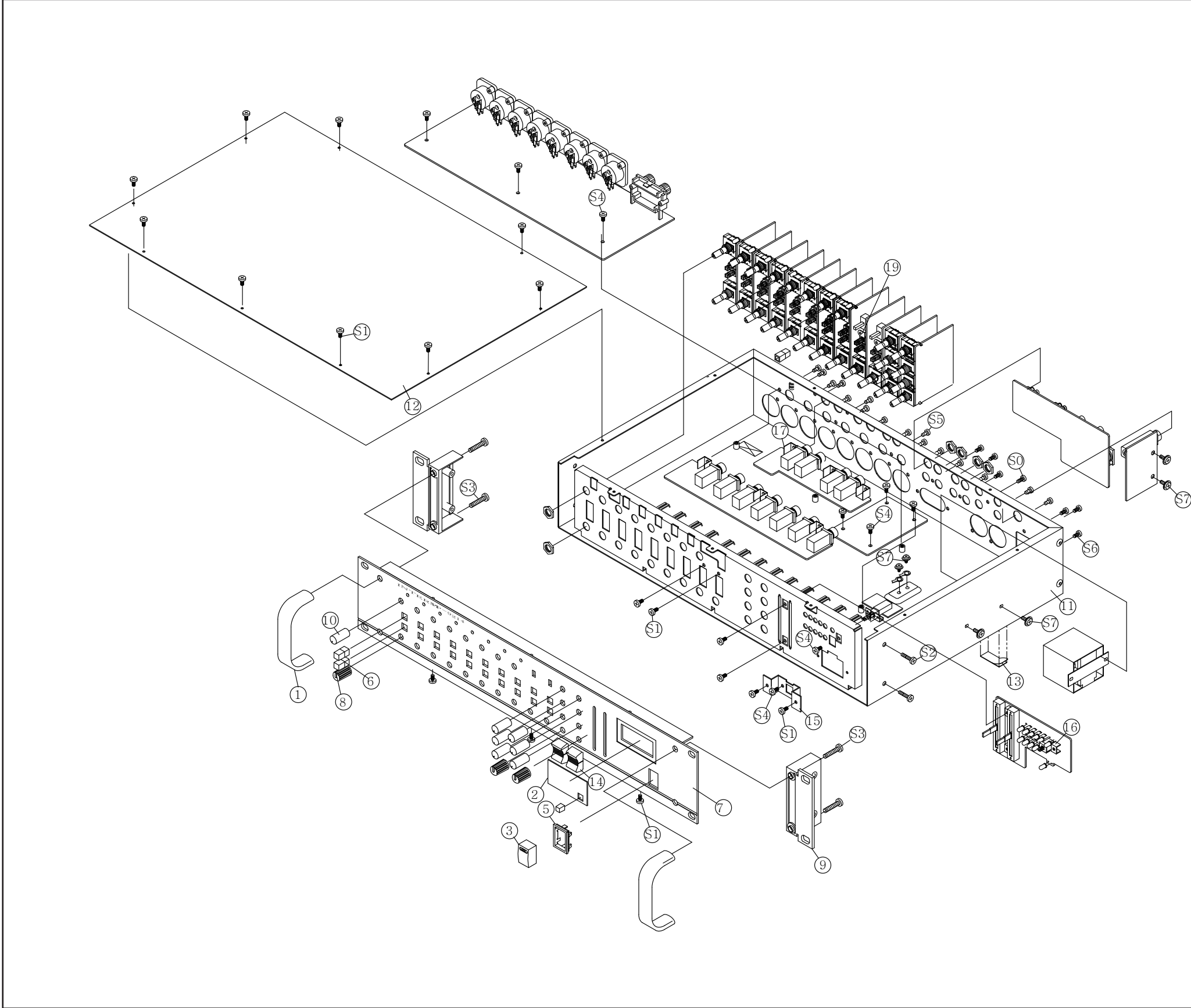
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WIRING DIAGRAM



EXPLODED VIEW OF CABINET & CHASSIS/MECHANICAL PARTS LIST



EXPLODED VIEW OF CABINET & CHASSIS/MECHANICAL PARTS LIST

EXPLODED VIEW_PP-6214 (R)				
S7	SCREW 3BTC 4X6B	114494	6	
S6	SCREW BM 3X6B	114280	2	
S5	DOT SCREW (2BTC 3X10B)	114426	20	
S4	SCREW BM 3X6B	114280	12	
S3	SCREW BM 4X12B	114297	4	
S2	SCREW 2BTC 4X12B	114477	4	
S1	SCREW 3BTC 3X6B	114487	16	
S0	SCREW DOT (3BTC 3X8B)	114427	1	
19	GUIDE BKT	113454	2	
18	PCB BKT	113432	1	
17	BRACKET PCB	113528	6	
16	BKT PCB	113482	3	
15	BKT SWICH	113424	1	
14	SLIDE KNOB	101024	2	
13	FOOT	114114	4	
12	TOP COVER	128217	1	
11	MAIN CHASSIS	130761	1	
10	CONTROL KNOB(W/BLACK)	101438	14	
9	GUIDE HANDLE	114879	2	
8	CONTROL KNOB(GRAY)	101267	12	
7	PANEL FRONT	2001064	1	
6	KNOB PUSH (DARK GRAY)	101011	21	
5	BEZEL PUSH	114705	1	
4				
3	PUSH KNOB	114868	1	
2	INLAY	101578	1	
1	HANDLE	127710	2	
NO	PART NAME	IRIS NO	Q'TY	REMARKS