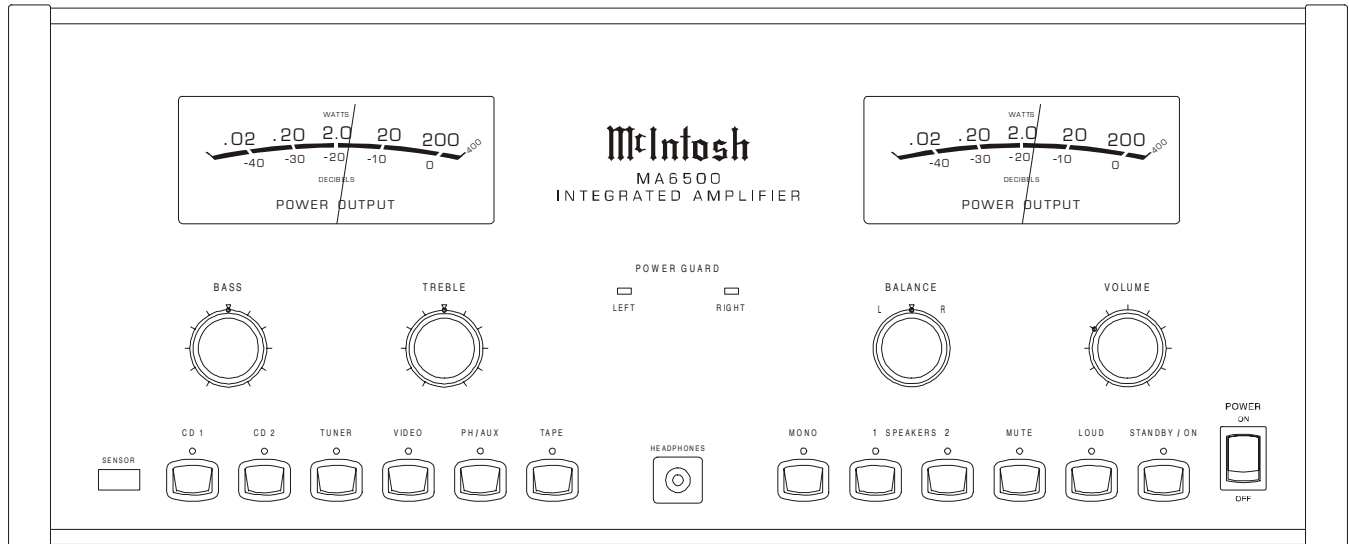


MA6500

INTEGRATED AMPLIFIER



CONTENTS

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McIntosh

SERVICE MANUAL

PREFORMANCE SPECIFICATIONS

POWER OUTPUT, STEREO

250, 200, 120 watts minimum sine wave continuous average power output per channel, both channels operating, into a load impedance of 2, 4 and 8 ohms respectively.

TOTAL HARMONIC DISTORTION

0.005% maximum at any power level from 250 milliwatts to rated power per channel from 20Hz to 20,000Hz, both channels operating.

INTERMODULATION DISTORTION

0.005% maximum if instantaneous peak power output per channel does not exceed twice the rated output with both channels operating for any combination of frequencies from 20Hz to 20,000Hz.

OUTPUT LOAD IMPEDANCE

2, 4 or 8 ohms

RATED POWER BAND

20Hz to 20,000Hz

DYNAMIC HEADROOM

2.4dB at 2, 4 or 8 ohms

DAMPING FACTOR

60 at 2 ohms
120 at 4 ohms
230 at 8 ohms

FREQUENCY RESPONSE

+0, -0.5dB from 20Hz to 20,000Hz

SIGNAL TO NOISE RATIO, (A WEIGHTED)

Phono Input: 90dB (84dB IHF) below 10mV input
High Level: 100db (90dB IHF) below rated output
Power Amplifier: 110dB below rated output

SENSITIVITY

Phono: 2.5mV for 2.5V rated output (0.5mV IHF)
High Level: 250mV for 2.5V rated output (50mV IHF)
Power Amplifier Input: 2.5V for rated output

INPUT IMPEDANCE

Phono: 47k ohms, 65pF
High Level: 22k ohms

MAXIMUM INPUT SIGNAL

Phono: 90mV
High Level: 8V

POWER REQUIREMENT

120V, 50/60Hz, 5.0 Amps UL/CSA
230V, 50/60Hz, 2.5 Amps

PREAMPLIFIER MAXIMUM VOLTAGE OUTPUT

Phono: 90mV at tape output
High Level: 8V at tape output
Main Out: 8V at preamp output

VOLTAGE GAIN

High Level to Tape: 0dB
High Level to Main: 20dB

TONE CONTROLS

Bass Control: +/-12dB at 20Hz
Treble Control: +/-12dB at 10kHz

POWER REQUIREMENTS

100 Volts, 50/60Hz at 4.8 Amps
110 Volts, 50/60Hz at 4.4 Amps
120 Volts, 50/60Hz at 4.0 Amps
220 Volts, 50/60Hz at 2.0 Amps
230 Volts, 50/60Hz at 2.0 Amps
240 Volts, 50/60Hz at 2.0 Amps

NOTE: Refer to the rear panel of the MA6500 for the correct voltage.

DIMENSIONS

17-1/2 inches (44.5cm) wide by 7-1/16 inches (17.9cm) high. Depth behind front panel is 18-1/8 inches (46cm) including connectors. Knob clearance required in front of the mounting panel is 1-1/8 inches (2.9cm).

NOTES

1. The heavy lines on the schematics denote the primary signal path.
2. Unless otherwise noted, all voltages indicated on the schematics are measured under the following conditions:
 - a. AC input at 120 volts, 50/60Hz
 - b. All voltages are $\pm 10\%$ with respect to ground. A high impedance (10megaohm) voltmeter must be used.
3. Unless otherwise specified:
 - a. Resistors values are in ohms.
 - b. Capacitor values are in microfarads (uF).
 - c. Inductor values are in microhenries (uH).
4. On PC Board Drawings, Square Pad Indicates:
 - a. Polarized Capacitors - Positive
 - b. Diode - Cathode
 - c. Others - Pin 1
5. The voltages enclosed in a box are signal voltages that are measured with a 2.5mV, 1kHz signal connected to both channels at the TUNER input jacks.

Front panel controls are set at:

BALANCE CENTER DETENT
 TREBLE BASS CENTER DETENT
 INPUT SELECTORS TUNER
 LOUDNESS OFF
 POWER ON
 VOLUME FULLY CLOCKWISE
 MONO OFF
 SPEAKER SWITCHES 1 AND 2 ON

Rear panel controls are set at:

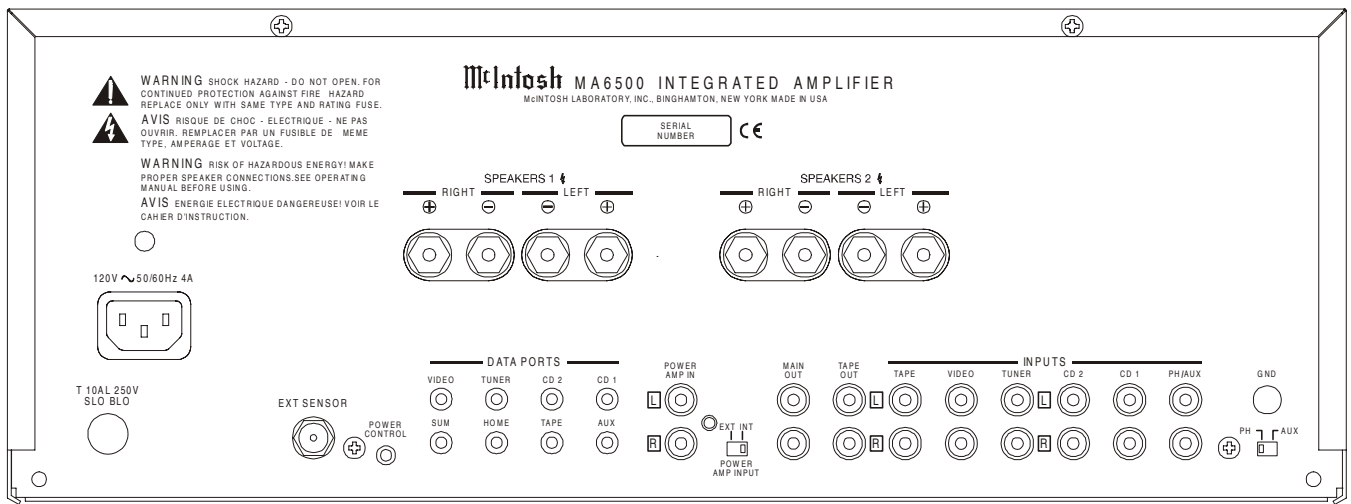
PROCESSOR OUT
 PWR AMP INPUT INT
 SPEAKER TERMINALS NO LOAD ON
 OUTPUTS

6. WARNING:

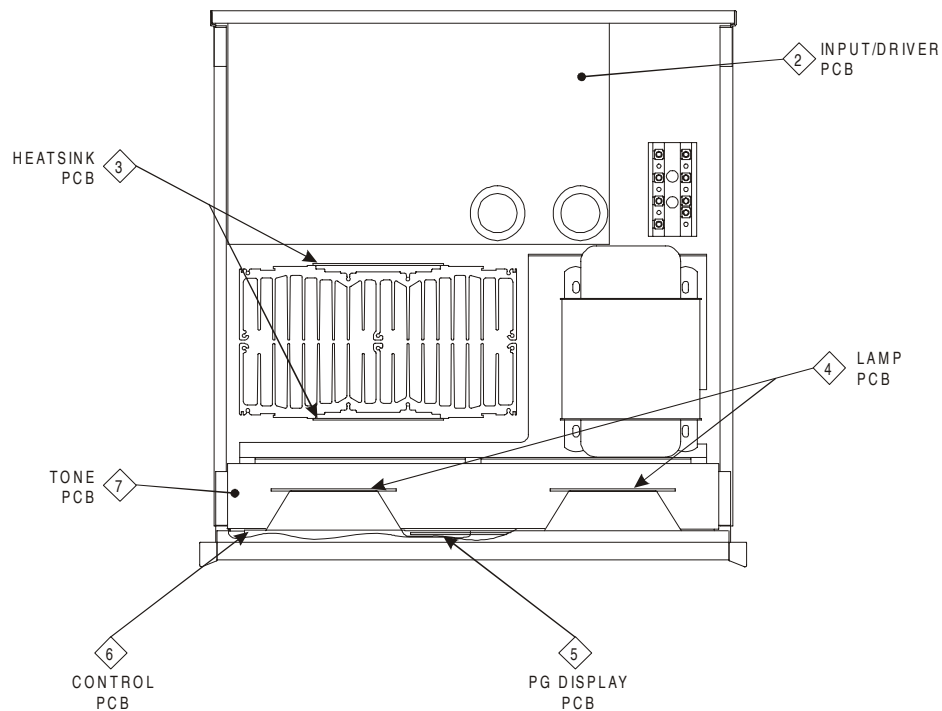
Parts marked with the symbol  have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.



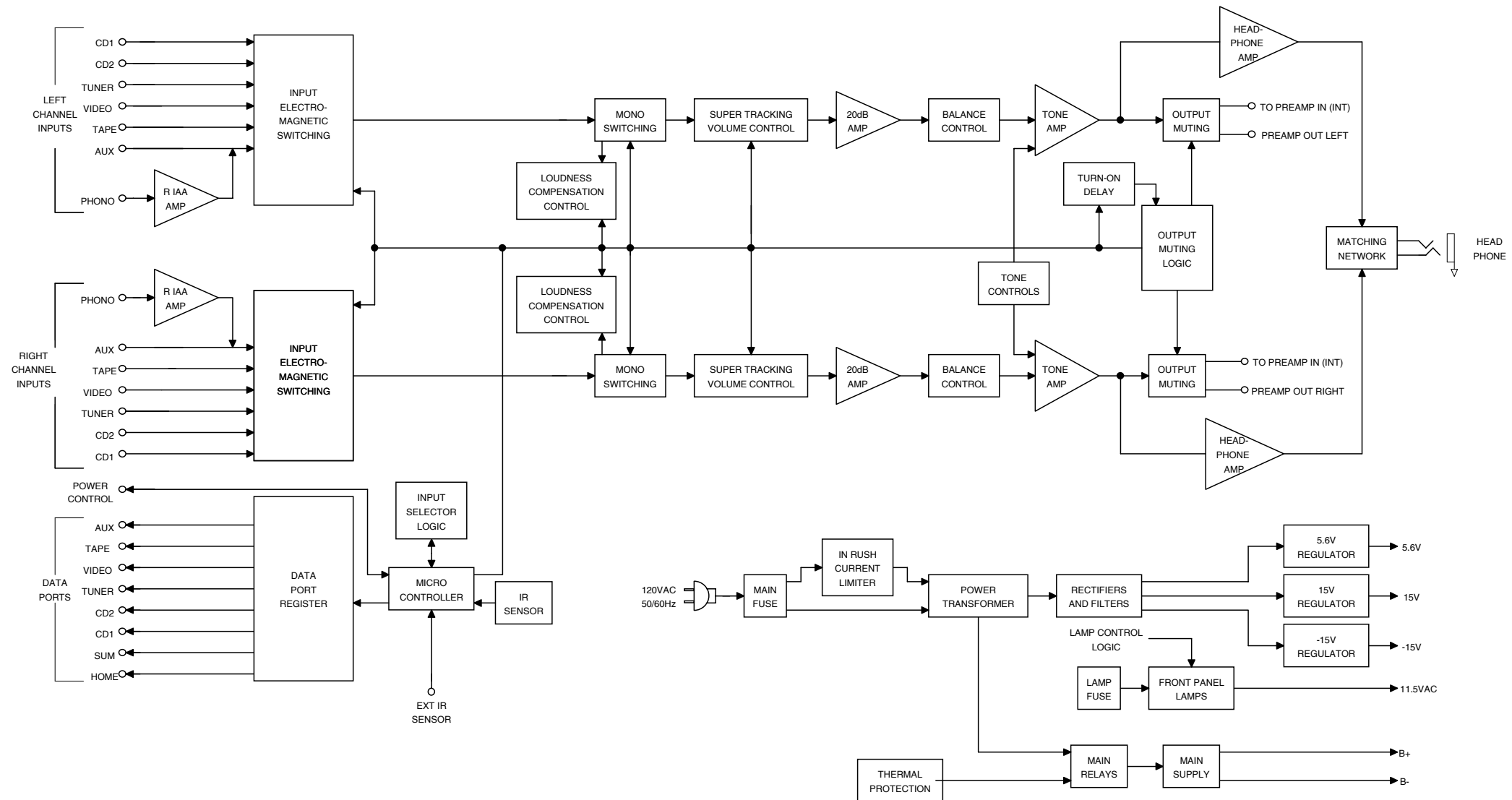
REAR PANEL



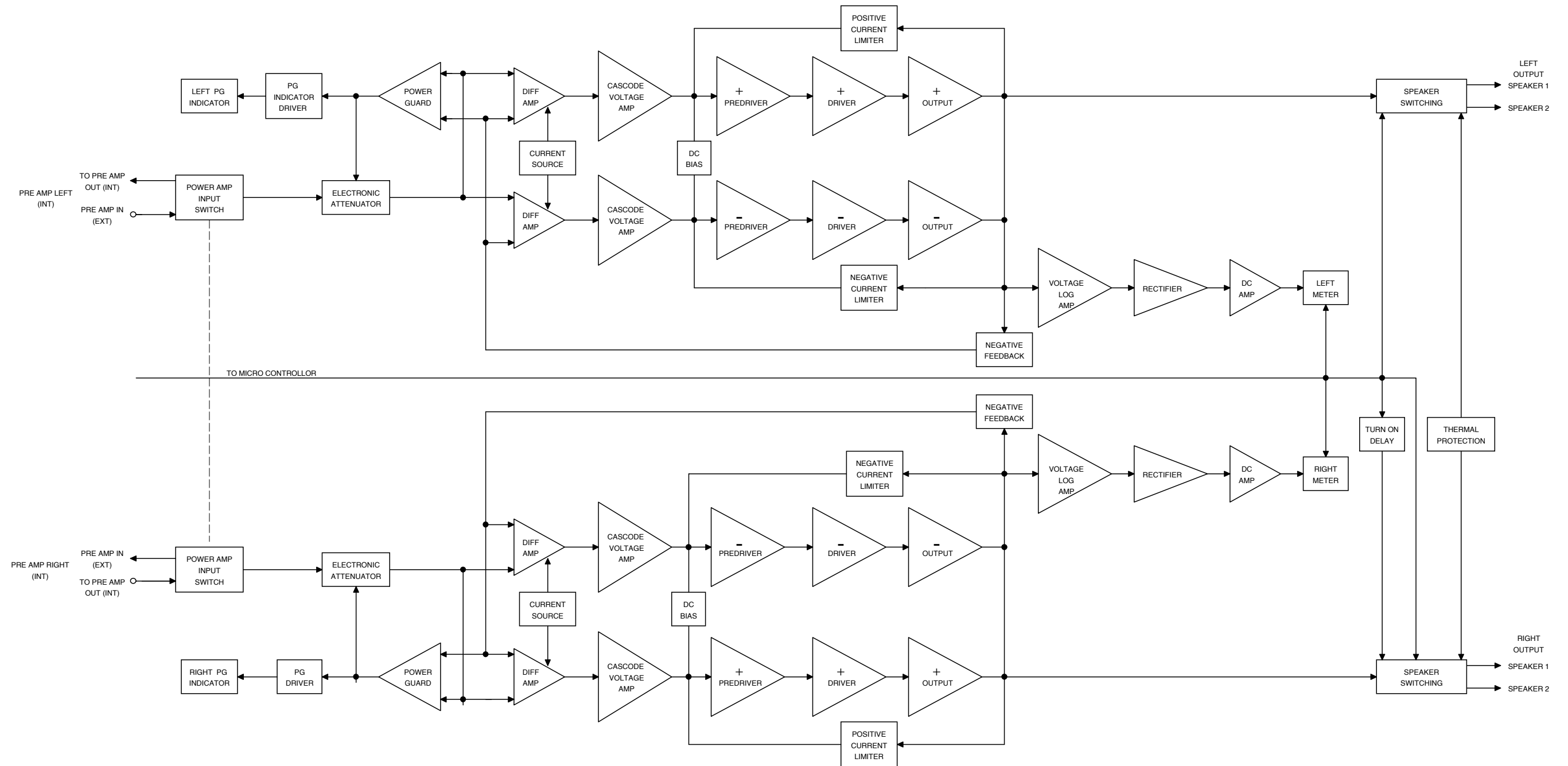
SECTION LOCATIONS



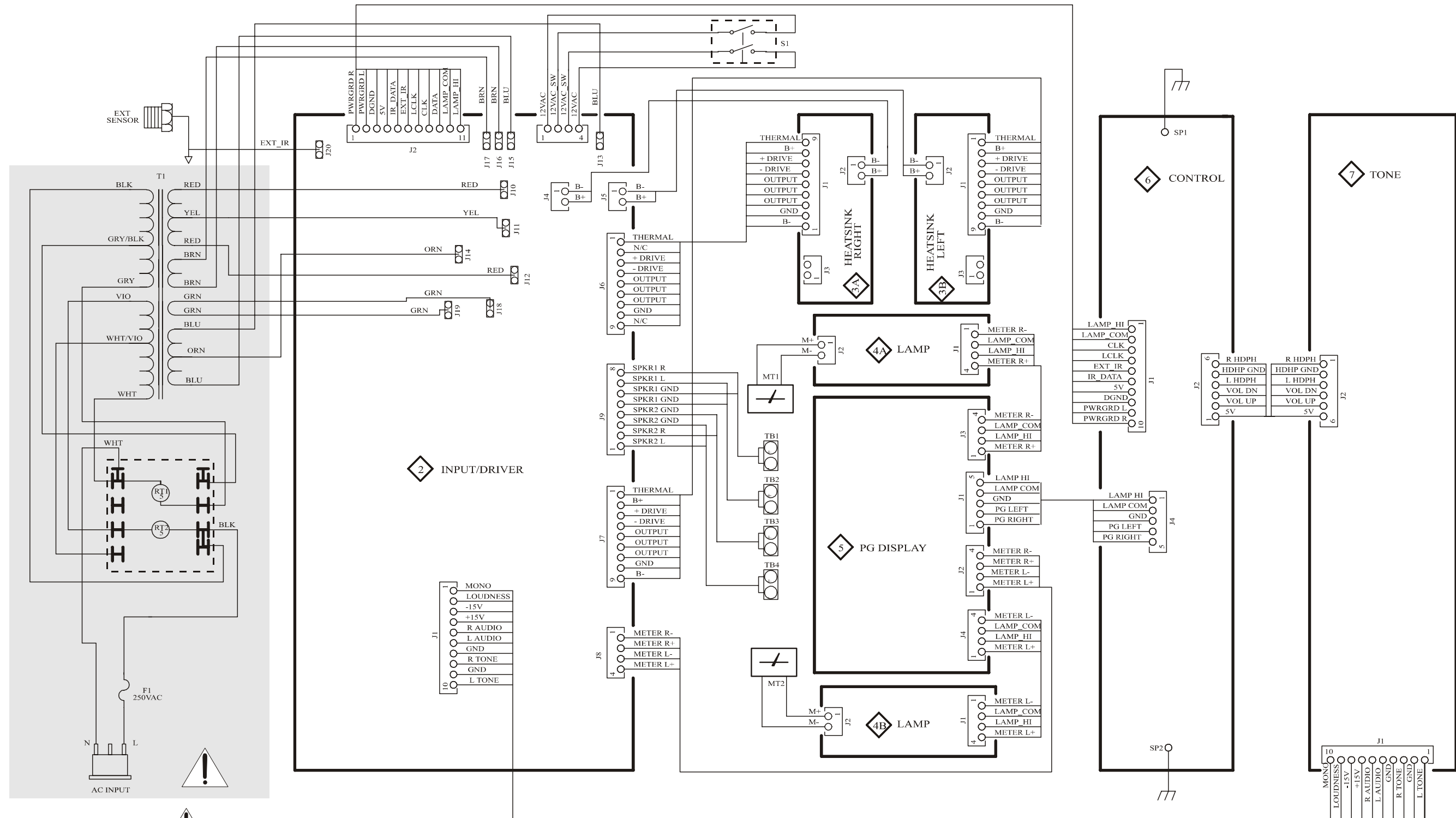
BLOCK DIAGRAM



BLOCK DIAGRAM

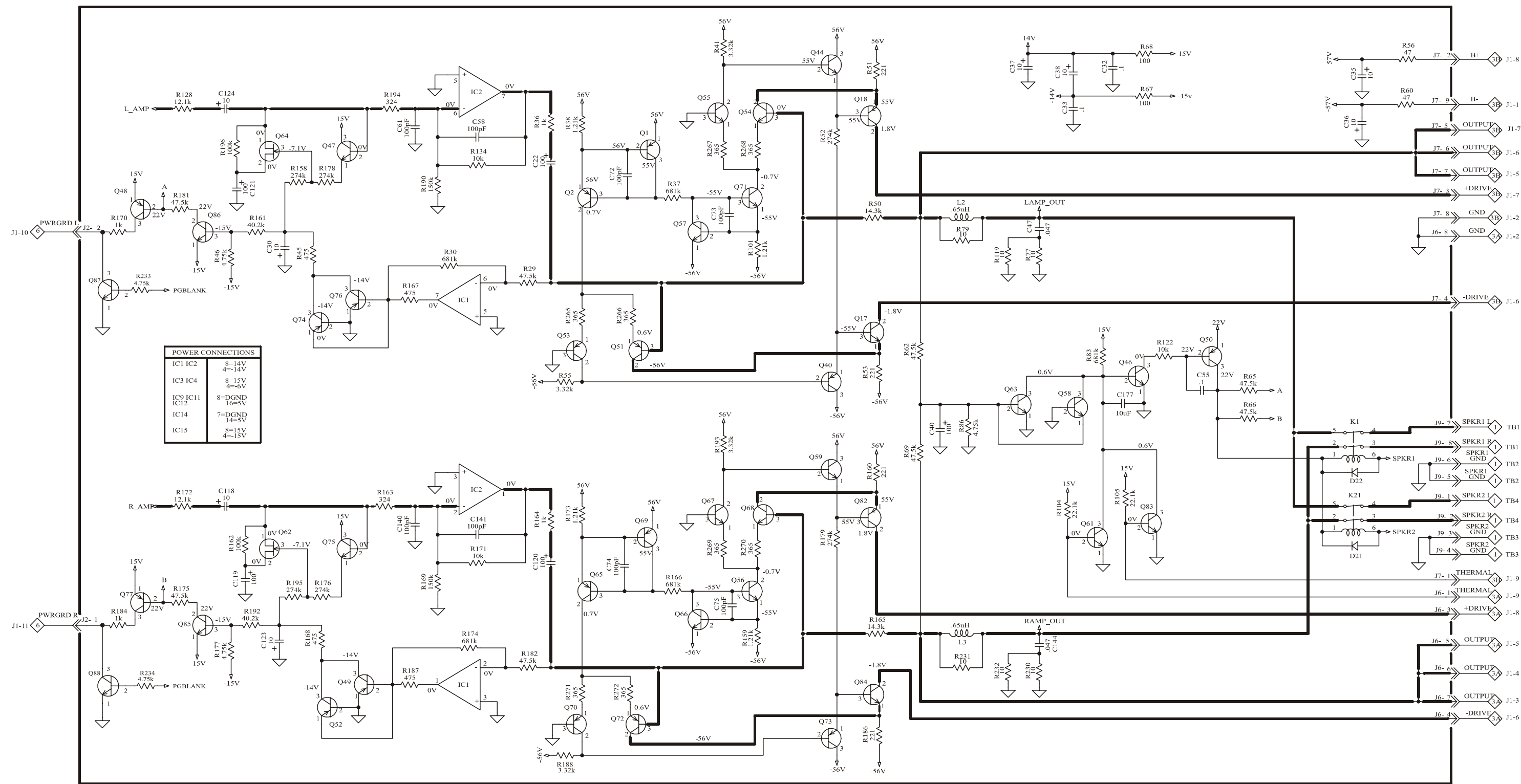


INTERCONNECT

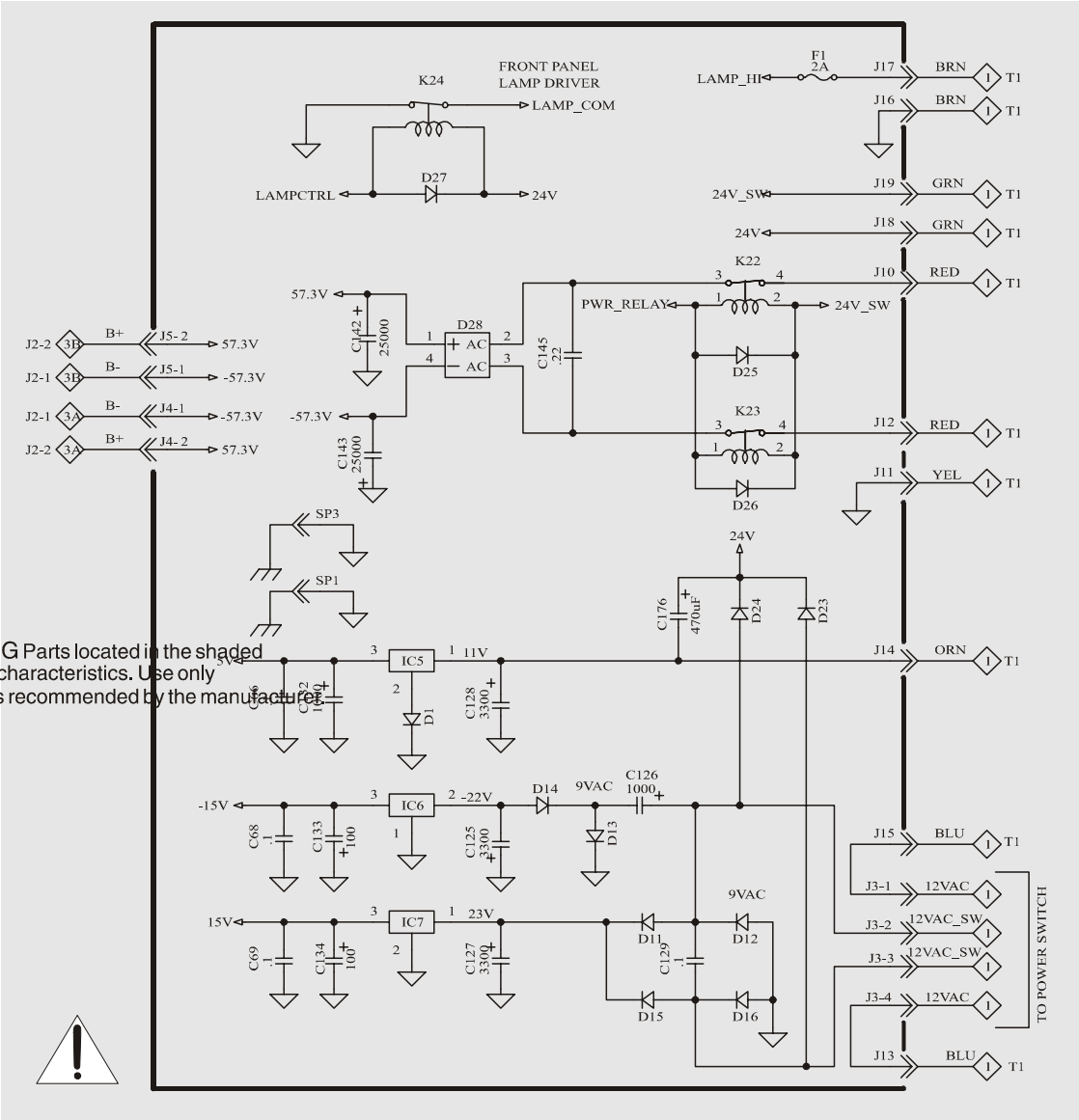
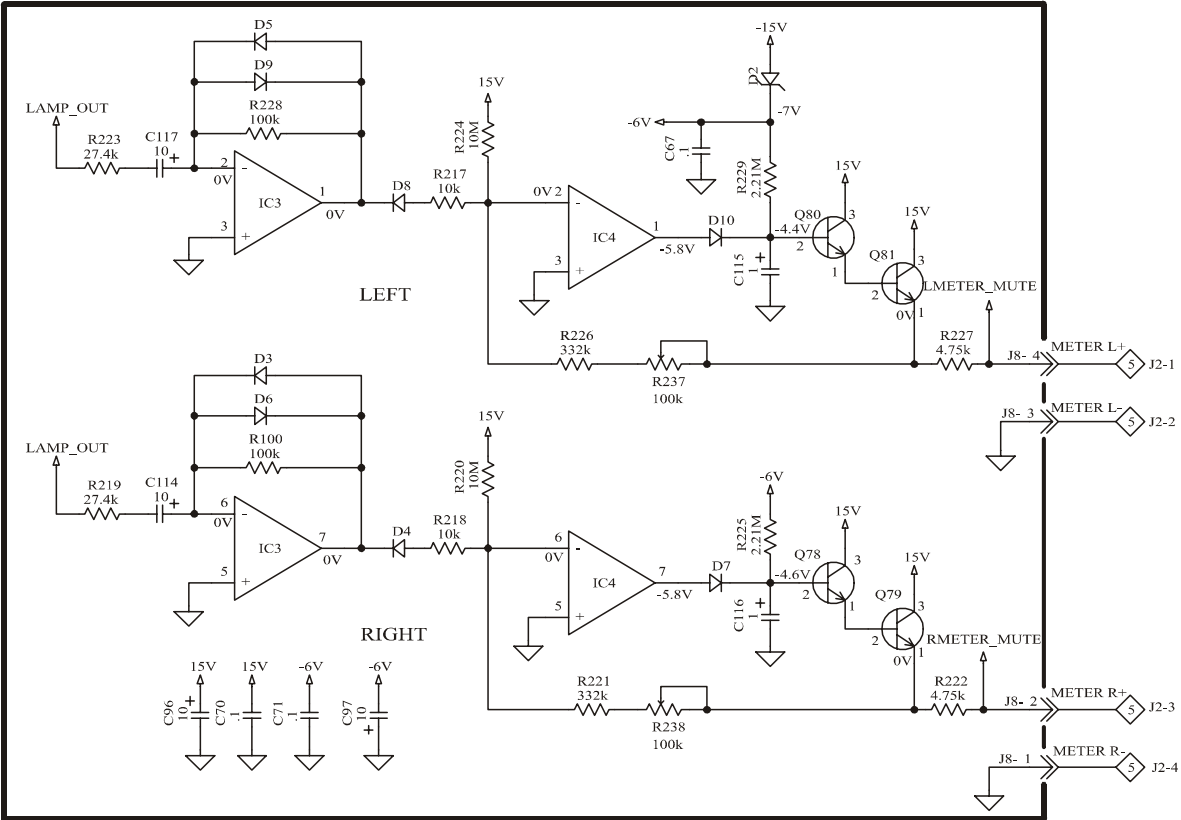


WARNING Parts located in the shaded area have critical characteristics. Use only replacement parts recommended by the manufacturer.

2 INPUT DRIVER 049193 SH 1 OF 3

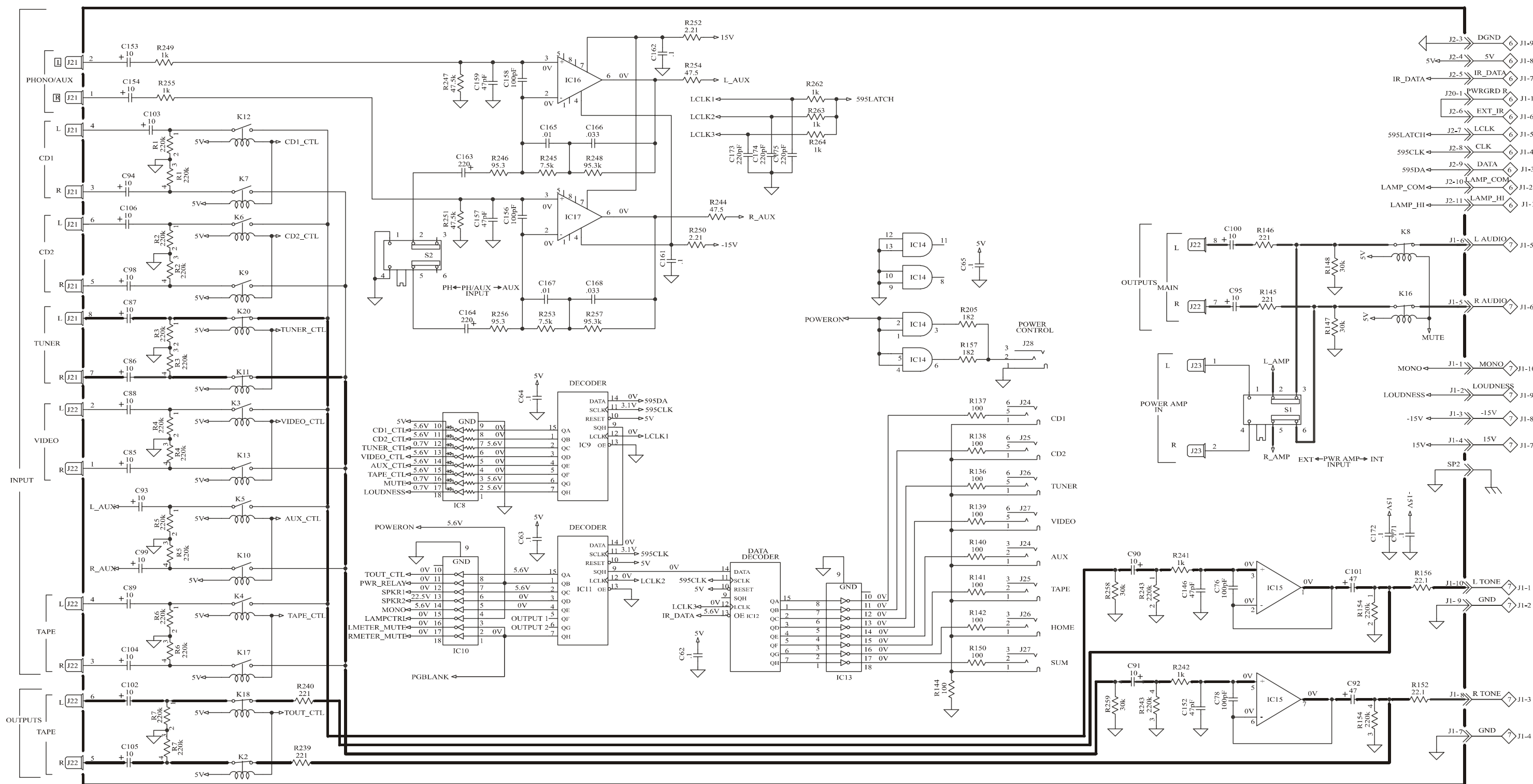


2 INPUT DRIVER 049193 SH 2 OF 3

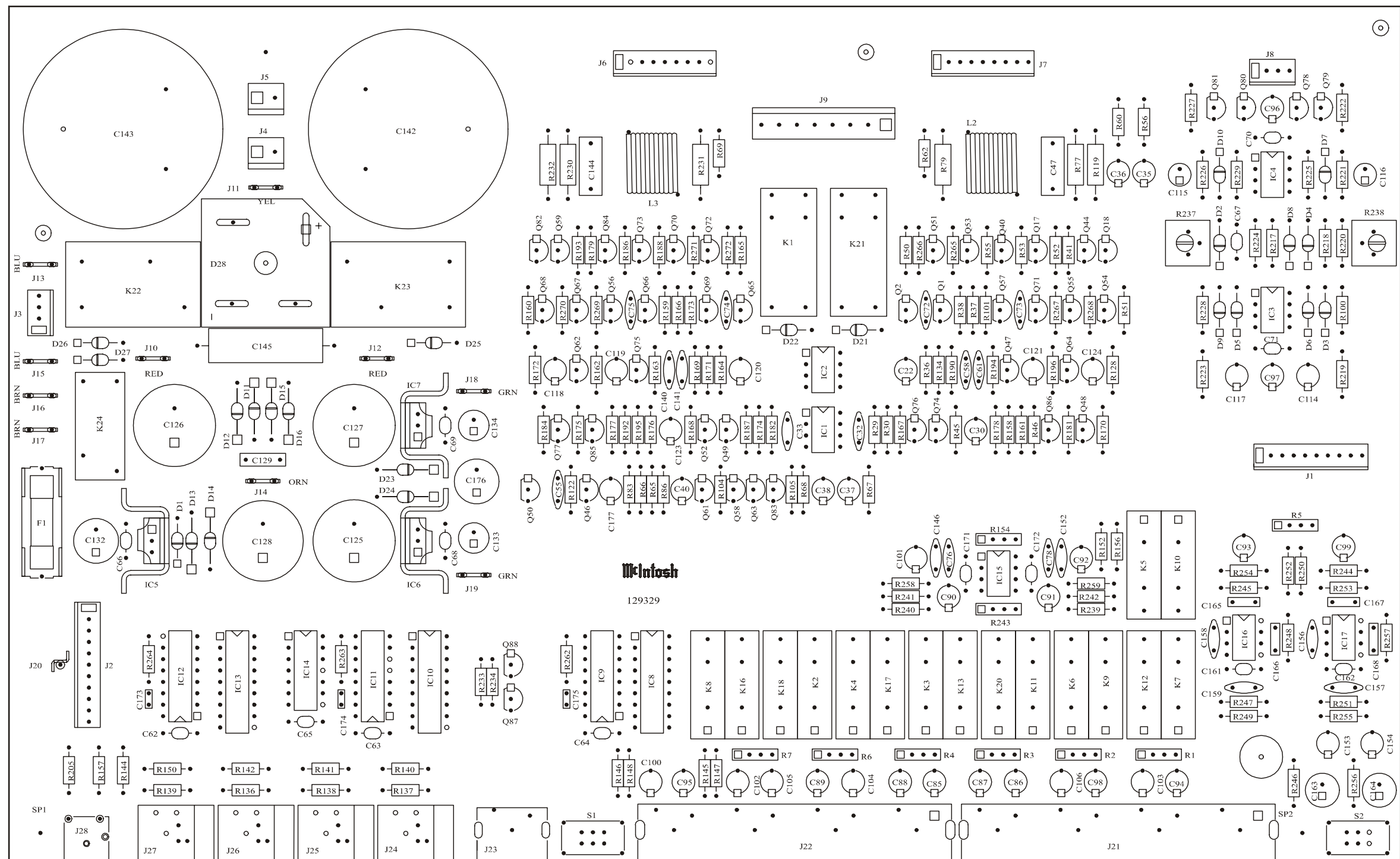


WARNING Parts located in the shaded area have critical characteristics. Use only replacement parts recommended by the manufacturer.

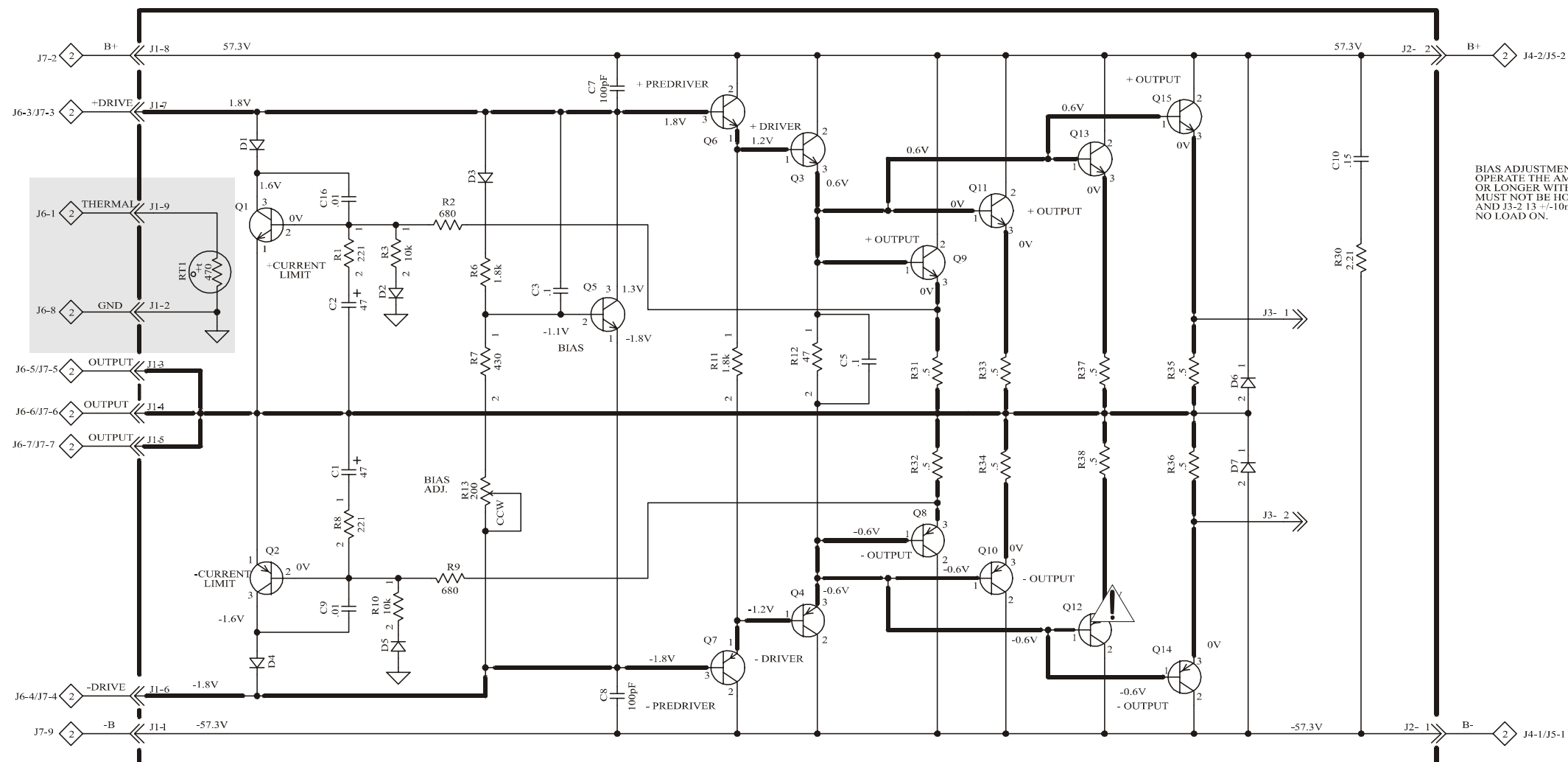
2



2 INPUT DRIVER

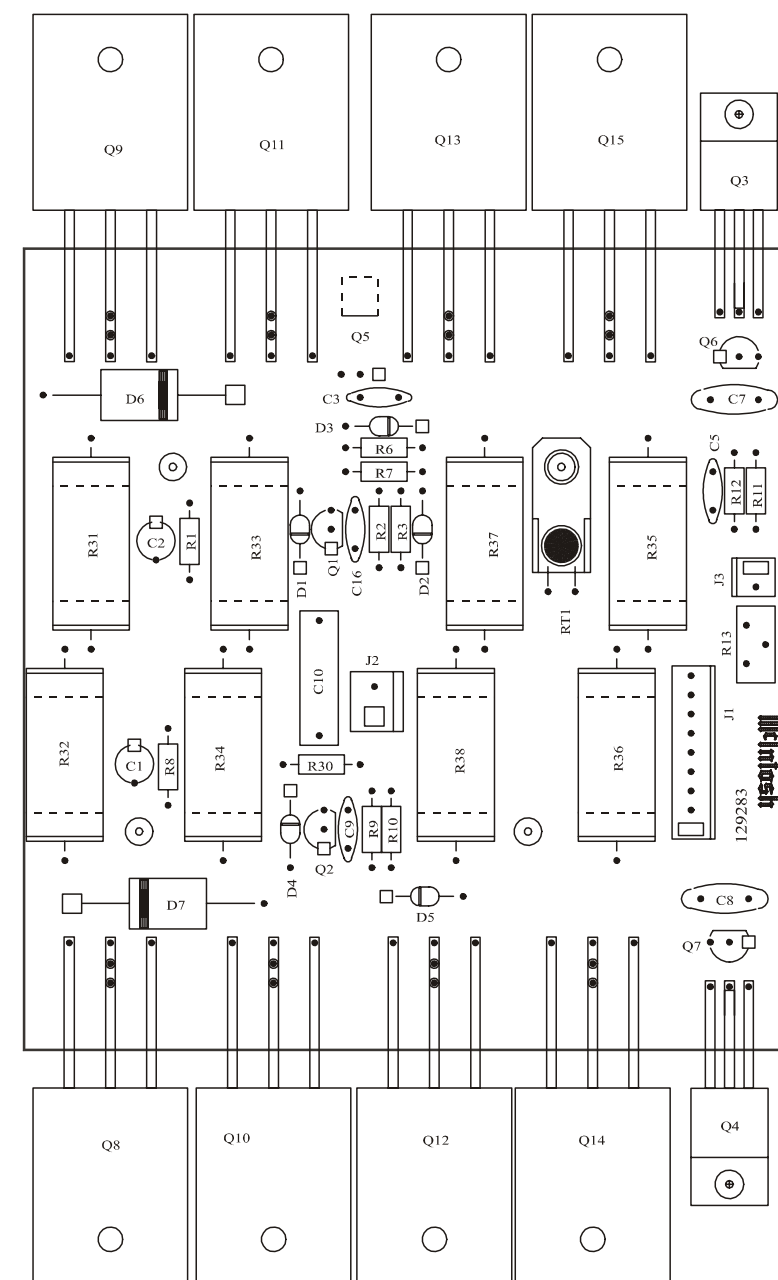


3A 3B *HEATSINK* 049194

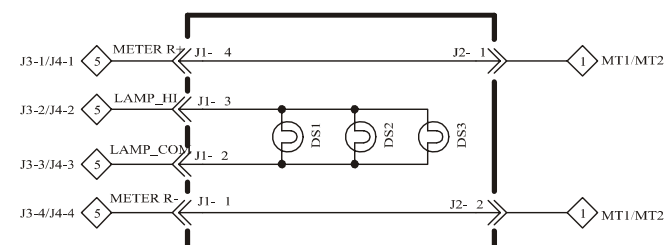


 **WARNING** Parts located in the shaded area have critical characteristics. Use only replacement parts recommended by the manufacturer.

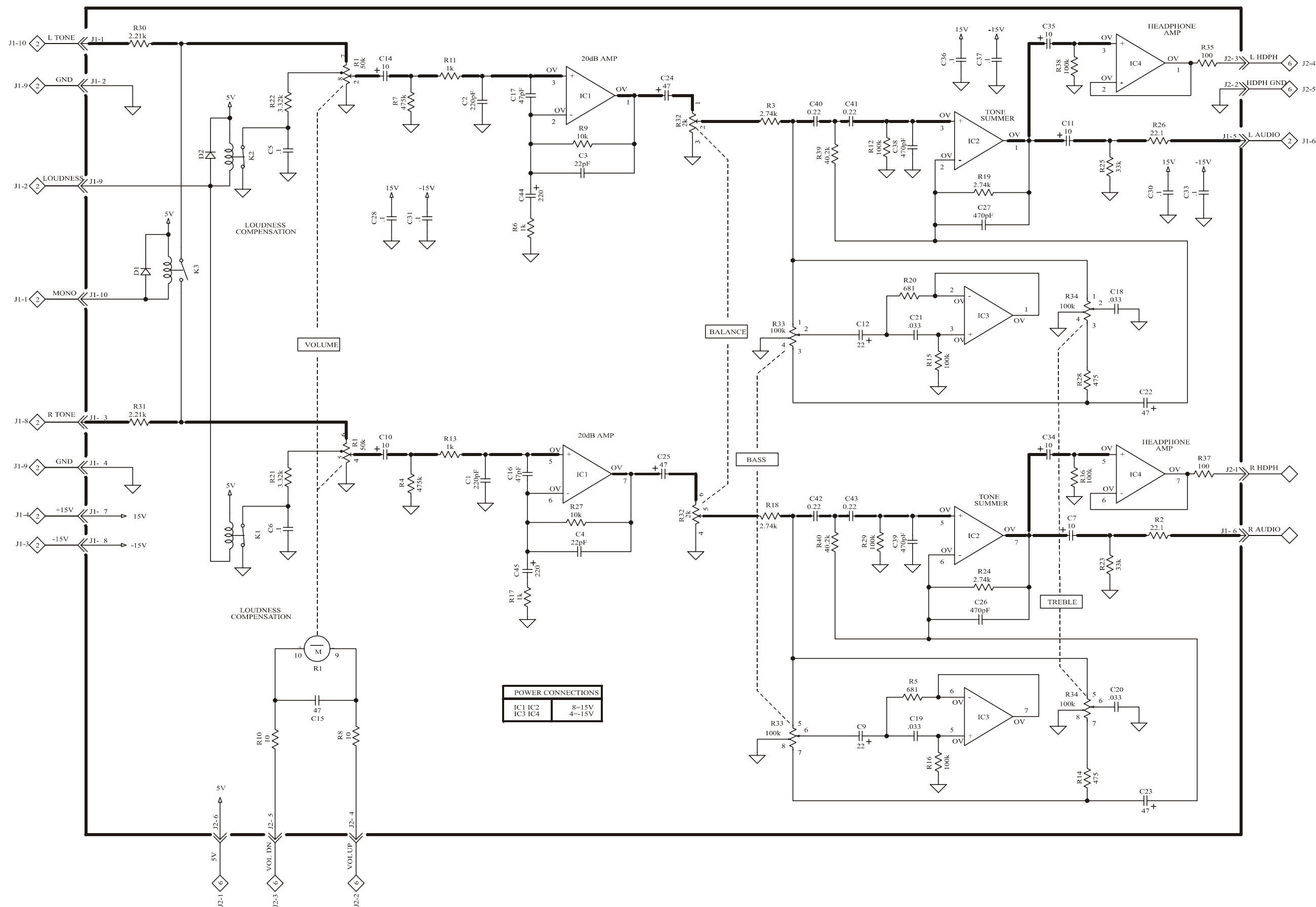
BIAS ADJUSTMENT:
OPERATE THE AMPLIFIER FOR 2 MINUTES
OR LONGER WITH NO OUTPUT. HEATSINKS
MUST NOT BE HOT. MEASURE ACROSS J3-1
AND J3-2 13 $\pm$ 10mV TO $\pm$ 15mV WITH
NO LOAD ON.

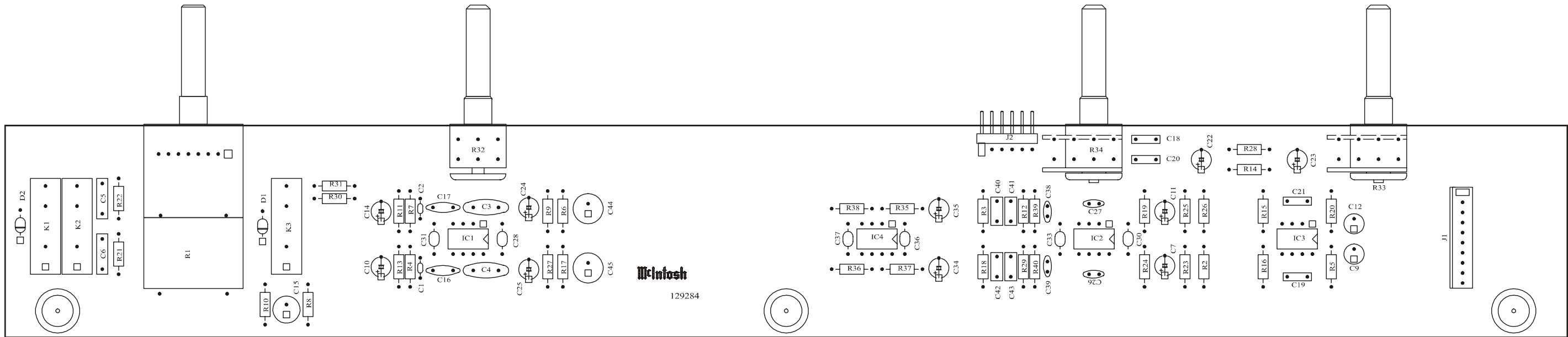


4A 4B *LAMP* 049235









PARTS LIST

PART NO	DESCRIPTION	REFERENCE NO							
049193 INPUT DRIVER									
003611	CARD MOUNTING BRACKET	SP1 SP2							
061196	DISC CAP 47PF,20%,N470 50V	C146 C152 C157 C159							
061199	DISC CAP 100PF 10% N1500 50V	C58 C61 C72 C73 C74							
		C75 C76 C78 C140 C141							
		C156 C158	070130	ZENER DIODE 8.2V,1/2W	D2	132254	TRANSISTOR NPN	Q54 Q55 Q56 Q67 Q68	
061248	DISC CAP .1MF,25V,Y5T	C32 C33 C55	070131	DIODE RECTIFIER	D11 D12 D13 D14 D15			Q71 Q85 Q86	
061268	MONO CAP .1UF,50V,Z5U	C62 C63 C64 C65 C66			D16 D23 D24	132255	TRANSISTOR PNP	Q2 Q51 Q53 Q65 Q70	
		C67 C68 C69 C70 C71	070139	RECTIFIER BRIDGE MC1000	D28			Q72	
		C161 C162 C171 C172	087050	REED RELAY FORM 1A,5V,500 OHMS	K2 K3 K4 K5 K6 K7 K8	132261	TRANSISTOR PNP	Q18 Q82	
		C173 C174 C175			K9 K10 K11 K12 K13	132262	TRANSISTOR NPN	Q17 Q84	
061273	220PF 5% 100V NPO	C129			K16 K17 K18 K20	133028	IC OPERATIONAL AMPLIFIER	IC1 IC3	
064254	M POLY FILM CAP .1MF,10%,100V	C129	087057	RELAY	K1 K21	133067	NE5534AN OP AMP LOW NOISE	IC16 IC17	
064267	M. POLYESTER CAP .22MF,400V	C145	087069	POWER RELAY TV5 24V	K24	133108	IC +5V REGULATOR	IC5	
064312	CAP M POLY .01UF 5% 63VDC	C165 C167	087072	RELAY 24V TV8/VDE CERTIFIED	K22 K23	133153	IC REGULATOR -15V	IC6	
064318	CAP M POLY .033UF 5% 63/100VDC	C166 C168	089089	FUSE 2A SLO-BLO 5X20	F1	133154	IC REGULATOR 15V	IC7	
064364	CAP POLYPROP .047MF 10% 250V	C47 C144	117215	4-PIN CONNECTOR	J3 J8	133175	IC AND 2 INPUT X 4	IC14	
066269	CAP ELECT 1UF 10% 50V	C115 C116	117219	MALE CONN 10 POS	J1	133180	LB1720 8 LN DRIVER ARRAY	IC10 IC13	
066309	CAP ELECT 1000UF 10V	C132	117244	FRICTION LK CONN 9POS MALE	J6 J7	133186	IC SHFT REG SER-PAR	IC9 IC11 IC12	
066330	CAP ELECT 220UF 16V SHORT CAN	C163 C164	117279	11-POS. MALE CONN.	J2	133260	DUAL OPERATIONAL AMPLIFIER	IC2 IC4 IC15	
066344	CAP ELECT 100UF 25V	C133 C134	117404	HEADER 2-PIN 0.156	J4 J5	133360	OCTAL DAR TRANS ARRAY W/DIODE	IC8	
066360	CAP ELECT 3300UF 35V	C125 C127 C128	117436	PJ261G PHON JACK, GOLD	J23	134389	TRIM POT 100K,10%,3/8SQ.	R237 R238	
066361	CAP ELECT 1000UF 20% 35V	C126	117455	PHONO JACK 8P, GOLD PLATED	J21 J22	137042	FLAMEPROOF RES 47 OHM 5% 1/4W	R56 R60	
066445	ELECT CAP 10MF, 50V AMMO PACK	C30 C85 C86 C87 C88	117494	MINI JACK	J28	141165	RES CF 10 5% 1/2W	R77 R79 R119 R230	
		C89 C90 C91 C93 C94	117549	HEADPHONE JACK DUAL BLACK 1/8	J24 J25 J26 J27			R231 R232	
		C95 C96 C97 C98 C99	117708	FASTON BLADE W/FEET	J10 J11 J12 J13 J14 J15	144053	RES MF 10K 1% 1/4W	R122 R134 R171 R217	
		C100 C102 C103 C104			J16 J17 J18 J19 J2			R218	
		C105 C106 C115 C117	117712	FASTON BLADE .110	J20	144071	METAL FILM RES 365 OHM 1% 1/4W	R265 R266 R267 R268	
		C118 C123 C124 C153	117717	MTA-156 HEADER 8PIN	J9			R269 R270 R271 R272	
		C154 C177	122297	CHOKE OUTPUT .65UH	L2 L3	144086	METAL FILM RES 475 OHM 1% 1/4W	R45 R167 R168 R187	
066446	ELECT CAP 47MF, 35V AMMO PACK	C92 C101	132172	TRANSISTOR SI PNP MPSA55	Q50	144090	METAL FILM RES 1K 1% 1/4W	R36 R164 R170 R184	
066447	ELECT CAP 100MF 16V AMMO PACK	C22 C40 C119 C120	132193	TRANSISTOR J.F.E.T. 2N4392	Q62 Q64			R241 R242 R249 R255	
		C121						R262 R263 R264	
						144095	RES MF 3.32K 1% 1/4W	R41 R55 R188 R193	

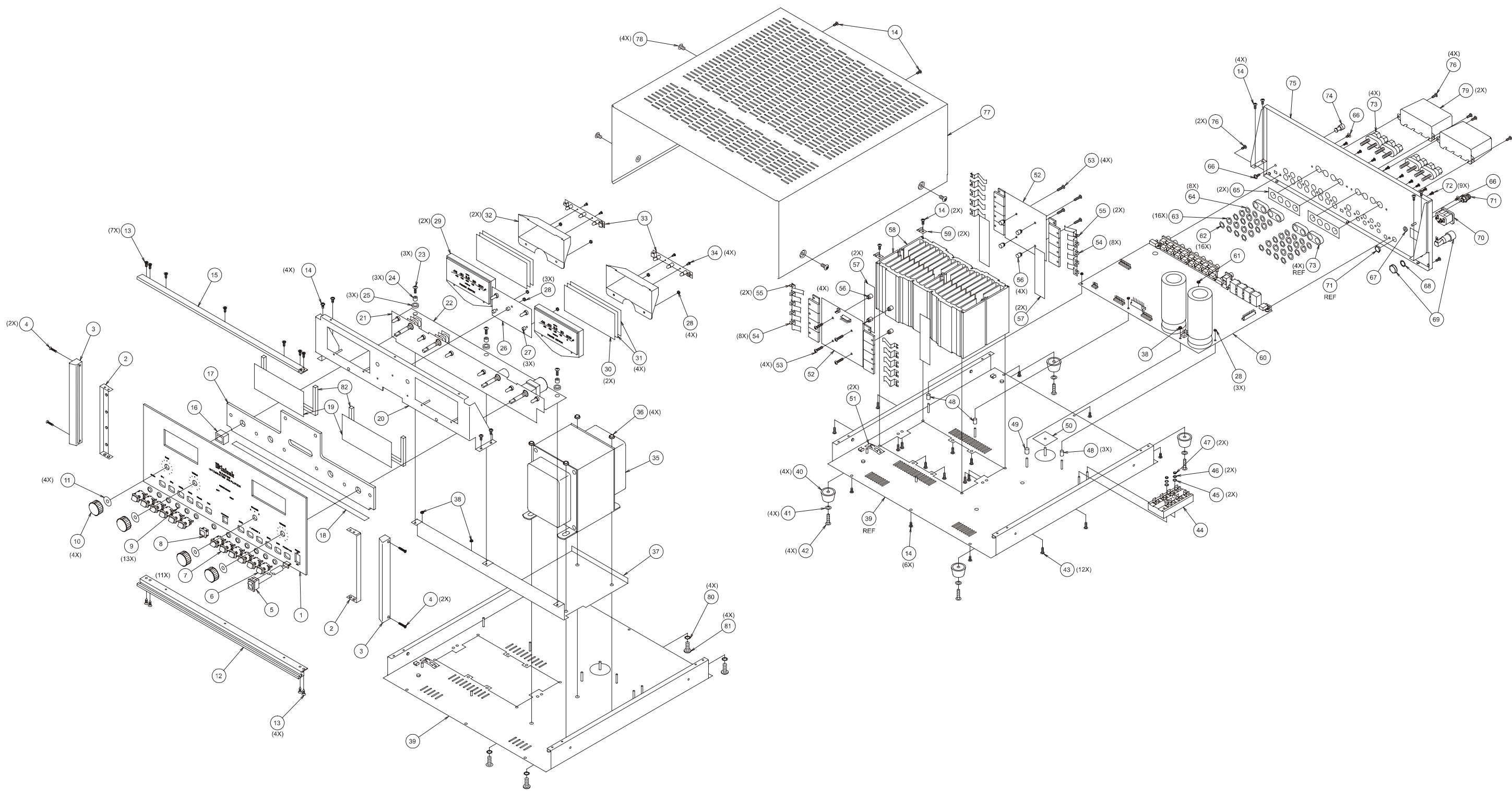
PARTS LIST con't

144097	METAL FILM RES 4.75K 1% 1/4W	R46 R86 R177 R222
		R227 R233 R234
144107	METAL FILM RES 40.2K 1% 1/4W	R161 R192
144108	RES MF 47.5K 1% 1/4W	R29 R62 R65 R66 R69
		R175 R181 R182 R247
		R251
144113	RES MF 100K 1% 1/4W	R100 R162 R196 R228
144119	METAL FILM RES 332K 1% 1/4W	R221 R226
144125	METAL FILM RES 150K 2% 1/4W	R169 R190
144127	METAL FILM RES 95.3K 1% 1/4W	R248 R257
144141	METAL FILM RES 27.4K 1% 1/4W	R219 R223
144154	RES MF 12.1K 1% 1/4W	R128 R172
144160	METAL FILM RES 22.1OHM 1% 1/4W	R152 R156
144172	RES MF 221 OHMS 1% 1/4W	R51 R53 R145 R146
		R160 R186 R239 R240
		R104 R105
144187	METAL FILM RES 22.1K 1% 1/4W	R38 R101 R159 R173
144191	RESISTOR MF 1.21K 1% 1/4W	R67 R68 R136 R137
144196	METAL FILM RES 100 OHM 1% 1/4W	R138 R139 R140 R141
		R142 R144 R150
		R245 R253
144210	RES MF 7.5K 1% 1/4W CRB1/4FX	R246 R256
144220	95.3 OHMS 1% 1/4W MF	R147 R148 R258 R259
144225	MF RES, 30K OHM 1% 1/4W	R1 R2 R3 R4 R5 R6 R7
144262	RES NETWORK, 2X220K, ISO	R154 R243
		R220 R224
144264	METAL FILM RES 10M 1% 1/4W	R225 R229
144265	METAL FILM RES 2.21M 1/4W	R157 R205
144273	RESISTOR MF 182 OHM 1/4W 1%	R163 R194
144338	RES MF 324 OHM 1% 1/4W	R250 R252
144378	RES MF 2.21 OHM 1/4W 1%	R50 R165
144440	MF RES 14.3K 1% 1/4W	R52 R158 R176
144441	METAL FILM RES 274K 1% 1/4W	R178 R179 R195
		R244 R254
144442	METAL FILM RES 47.5 1% 1/4W	R30 R37 R83 R166 R174
144443	METAL FILM RES 681K 1% 1/4W	S1 S2
148059	SLIDE SWITCH	F1
178159	FUSE HOLDER 5X20MM PCB MOUNT	
049194 HEATSINK		
061023	DISC CAP 100PF 10% N1500	C7 C8
061159	CERAMIC CAP .01MF +80-20% 50V	C9 C16
061248	DISC CAP .1MF,25V,Y5T	C3 C5
064363	CAP POLYPROP 0.15MF 10% 250VDC	C10
066446	ELECT CAP 47MF, 35V AMMO PACK	C1 C2
070047	SILICON DIODE 1N4148 T&R	D1 D2 D3 D4 D5
070133	DIODE 200V,6A	D6 D7
117213	2-PIN MALE CONNECTOR	J3
117244	FRICTION LK CONN 9POS MALE	J1
117404	HEADER 2-PIN 0.156	J2
132223	TRANSISTOR NPN MPS4124 2K/REEL	Q1
132224	TRANSISTOR PNP	Q2
132261	TRANSISTOR PNP	Q7
132262	TRANSISTOR NPN	Q6
134390	TRIM POT 200 OHM 20% HORIZ AD	R13
137093	MET OX 680 5% .5W	R2 R9
137094	MET OX 1.8K 5% .5W	R6 R11
137095	MET OX 430 5% .5W	R7
137096	MET OX 47 5% .5W	R12
139177	WIREWOUND RES 0.5 OHM 5W 5%	R31 R32 R33 R34 R35
		R36 R37 R38
		R3 R10
144053	RES MF 10K 1% 1/4W	R1 R8
144172	RES MF 221 OHMS 1% 1/4W	RT1
144279	THERMISTOR 100 OHM	R30
144378	RES MF 2.21 OHM 1/4W 1%	

049195 CONTROL		
058153	INCANDESCENT LAMP 14V 100MA	DS13 DS14 DS15 DS16
		DS17 DS18
		C3 C5 C6 C7 C10
		C8 C9
061268	MONO CAP .1UF,50V,Z5U	C1
061273	220PF 5% 100V NPO	C2
061277	MONO CAP 0.1MF 20% 50V	C4
066254	CAP ELECT 220UF 50V 20%	DS1 DS2 DS3 DS4 DS5
066330	CAP ELECT 220UF 16V SHORT CAN	DS6 DS7 DS8 DS9 DS10
070093	LED LAMP RED	DS11 DS12
		J4
117216	MALE CONN 5-PIN 0.1 POST ASSY	J1
117279	11-POS. MALE CONN.	J3
117462	PHON JACK 1 1/8" STEREO VER	MT1
121031	IR SENSOR 38KHZ	IC1
133175	IC AND 2 INPUT X 4	IC3 IC4
133186	IC SHFT REG SER-PAR	IC2
133191	IC DC MOTOR DRIVER	IC6
133241	IC MICROPRCSSR RESET POS	
133394	PROGRAMMED DEVICE	
144053	RES MF 10K 1% 1/4W	R5 R16
144090	METAL FILM RES 1K 1% 1/4W	R14 R15
144113	RES MF 100K 1% 1/4W	R2
144157	METAL FILM RES:10 OHMS 1% 1/4W	R4
144196	METAL FILM RES 100 OHM 1% 1/4W	R1
144290	RES NETWORK 3 X 10K BUSSED	R6
144338	RES MF 324 OHM 1% 1/4W	R7 R8 R9 R10 R11 R12
		R13
		R19
144378	RES MF 2.21 OHM 1/4W 1%	R3
144444	METAL FILM RES 75 1% 1/4W	S1 S2 S3 S4 S5 S6 S7 S8
150058	TACT SWITCH	S9 S10 S11S12
		IC5
178139	IC SOCKET 24-PIN	Y1
180039	CERAM RESON 6.0MHZ W/CAP	
049235 LAMP		
058120	LAMP 14V #7373	DS1 DS2 DS3
117240	4 PIN RT. ANGLE	J1
117274	CONN. 2 POS. R-ANGLE	J2
049236 POWER GUARD		
058133	AMBER LED	DS1 DS2
058153	INCANDESCENT LAMP 14V 100MA	DS3 DS4
117215	4-PIN CONNECTOR	J2 J3 J4
117216	MALE CONN 5-PIN 0.1 POST ASSY	J1
049268 TONE		
061191	DISC CAP 22PF,10%,NPO 50V	C3 C4
061196	DISC CAP 47PF,20%,N470 50V	C16 C17
061256	M.CAP 470PF,5%,100V	C26 C27 C38 C39
061260	MONOLYTHIC, 220PF	C1 C2
061268	MONO CAP .1UF,50V,Z5U	C28 C30 C31 C33 C36
		C37
		C5 C6
064254	M POLY FILM CAP .1MF,10%,100V	C18 C19 C20 C21
064318	CAP M POLY .033UF 5% 63/100VDC	C40 C41 C42 C43
064329	CAP M POLY .22UF 5% 63VDC	C44 C45
066330	CAP ELECT 220UF 16V SHORT CAN	C9 C12
066345	CAP ELECT 22UF 50V	C15
066378	CAP ELECT 47UF 16V BP	C7 C10 C11 C14 C34
066445	ELECT CAP 10MF, 50V AMMO PACK	C35
		C22 C2324 C25
066446	ELECT CAP 47MF, 35V AMMO PACK	D1 D2
070047	SILICON DIODE 1N4148 T&R	K1 K2 K3
087050	REED RELAY FORM 1A,5V,500 OHMS	J1
117219	MALE CONN 10 POS	J2
117707	CONNECTOR MALE 6 POS RT ANGLE	

133260	DUAL OPERATIONAL AMPLIFIER	IC1 IC2 IC3 IC4
134457	POT, EQUAL	R33 R34
134464	POTENTIOMETER BALANCE 2KOHM	R32
134490	POTENTIOMETER 50KAX2	R1
144015	METAL FILM RES 33.2K 1% 1/4W	R23 R25
144053	RES MF 10K 1% 1/4W	R9 R27
144086	METAL FILM RES 475 OHM 1% 1/4W	R14 R28
144090	METAL FILM RES 1K 1% 1/4W	R6 R11 R13 R17
144095	RES MF 3.32K 1% 1/4W	R21 R22
144107	METAL FILM RES 40.2K 1% 1/4W	R39 R40
144113	RES MF 100K 1% 1/4W	R12 R15 R16 R29 R36
		R38
		R8 R10
144157	METAL FILM RES 10 OHMS 1% 1/4W	R2 R26
144160	METAL FILM RES 22.1OH 1% 1/4W	R5 R20
144195	MF RES, 681 OHM 1% 1/4W	R35 R37
144196	METAL FILM RES 100 OHM 1% 1/4W	R30 R31
144298	MF 2.21K 1% 1/4W	R3 R18 R19 R24
144304	MF 2.74K 1% 1/4W	R4 R7
144364	RES MF 475K 1% 1/4W	

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

NOTES

Ref. No.	Part No.	Description			
1	016404	FRONT PANEL GLASS	53	101059	SM 6 X 5/8 PHIL PAN TYPE A
2	004899	EXTRUSION BRACKET	54	114119	TRANSISTOR CLIP 214
3	018612	END CAP	55	114118	TRANSISTOR CLIP 218
4	101042	TS 4-40 X 1/2 SLOT FILLISTER	56	112087	PCB SPACER 1/4"
5	171260	C/A INPUT/POWER SWITCH	57	084194	ISOSTRATE
6	017531	PUSHBUTTON ASSY RED	58	018616	AMPLIFIER HEATSINK 4 INCH
7	017517	PUSHBUTTON ASSY	59	017160	MOUNTING TAB W/.140 DIA MTG
8	017736	HEADPHONE BEZEL	60	049193	INPUT/DRIVER PCB ASSY
9	078033	O-RING	61	102014	MACH NUT 6-32 W/LOCK
10	090258	KNOB 25mm INDEX	62	110009	NUT M5 X 0.8 BRASS W/GOLD PLATE
11	104073	FELT W MPI-4 1/4 X 5/8	63	104130	LW #10 SPLIT PHOS/BRONZE
12	018605	BOTTOM EXTRUSION	64	104148	FLAT WASHER BRASS
13	101172	TCS 6-32 X 1/4 PHIL FLAT U/C	65	004800	OUTPUT PLATE
14	101054	TS 6-32 X 1/4 PHIL PAN TAPTITE	66	100250	SEMS 6-32 X 1/4 PHIL PAN
15	018587	TOP EXTRUSION	67	102020	MACH NUT 6-32 SELF-LOCK
16	094350	SENSOR GASKET	68	104016	LK WASHER 1/2 X .630 X .022 INT STAR
17	017764	DISPLAY PLEXIGLAS	69	178122	SOCKET FUSEHOLDER UL/CSA
18	022314	FISHPAPER SHEILD	70	117487	MC1000 AC LINE RECEPTACLE
19	017363	PLEXIGLAS FILTER LIGHT BLUE	71	117369	COAX RECEPTACLE GOLD TYPE F
20	004966	SUBPANEL	72	101197	HI/LO 4-32 X 3/8 PH ROUND BLACK
21	049195	CONTROL PCB ASSY	73	084124	DUAL BINDING POST
22	129284	TONE PCB ASSY	74	084112	GROUND POST (GOLD) 4300
23	100275	MS 6-32 X 1/2 PHIL BLK TRUSS HD	75	004962	REAR PANEL
24	021030	SPACER 6 X 1/4	76	101109	TS 6-32 X 5/16 PHIL PAN
25	078031	GROMMET	77	004798	TOP COVER
26	049236	POWER GUARD DISPLAY ASSY	78	101078	TS 8-32 X 5/16 PHIL PAN
27	021094	SPACER 4 X 1/4	79	017706	TERMINAL COVER
28	102001	KEP NUT 4-40 CADMIUM PLATE	80	100072	LOCK WASHER 1/4 X .396 INT STAR
29	124074	MC202 METER	81	100126	MS 1/4-20 X 5/8 PHIL PAN BLACK
30	092341	FILTER AZURE BLUE	82	094017	FOAM TAPE 1/4 X 1/4
31	092342	FILTER PALE BLUE			
32	017447	PLASTIC LIGHT BOX			
33	049235	LAMP PCB ASSY			
34	114072	PLASTIC RIVET			
35	159310	POWER TRANSFORMER			
36	102007	MACH NUT 1/4-20 W/LOCK			
37	004964	TRAY			
38	102003	MACH NUT 6-32 W/LOCK			
39	004965	CHASSIS			
40	017218	PLASTIC FEET - BLACK			
41	104080	FLAT WASHER #10 CLEAR ZINC			
42	100159	MS 10-32 X 3/4 PHIL PAN ZINC			
43	101176	TCS 6-32 X 1/2 PH PAN BLK TYPE F			
44	074091	AC TERMINAL BLOCK			
45	104001	FLAT STEEL WASHER #4 X 9/32 X .025			
46	104004	LK WASHER 5 X .255 INT STAR			
47	102022	MN 4-40 3/16 X 1/16			
48	112038	STL SPACER 4 X 3/8 L NICKEL PLT			
49	021038	SPACER #6 X 3/8			
50	084135	THERMAL PAD MC7150			
51	106007	SPRING CLIP LATCH TYPE			
52	049194	HEATSINK PCB ASSY			

REPACKING INSTRUCTIONS

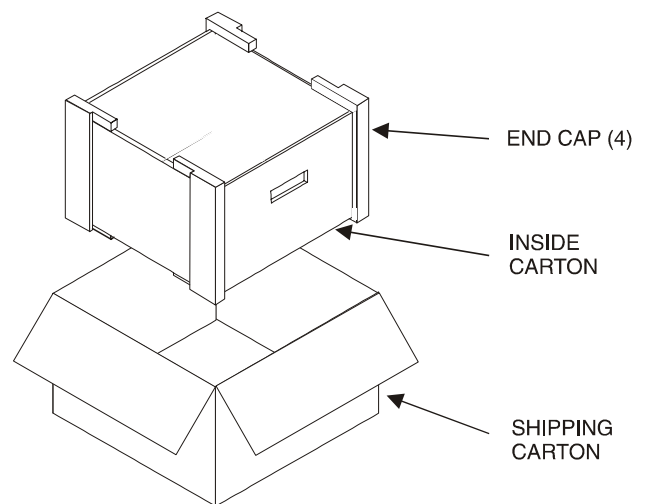
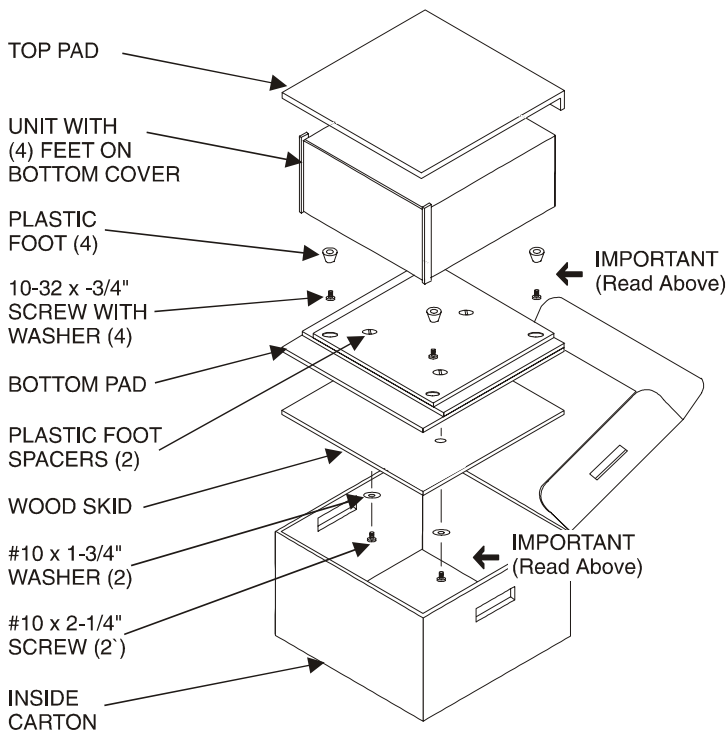
In the event it is necessary to repack the unit for shipment, the unit must be packed exactly as shown below.

IMPORTANT - The four plastic feet must be attached to the bottom of the unit so they will locate in the four holes of the bottom pad. Three #10 x 2-1/4" screws and washers must be used to fasten the unit securely to the bottom pad and wood skid. Failure to do this will result in shipping damage.

If a shipping carton or any of the interior parts is needed, please call or write the Customer Service Department of McIntosh Laboratory. Order parts from the accompanying list by part number.

Use the original shipping carton and interior parts only if they are in good serviceable condition.

Qty.	Part No.	Description
1	033888	Shipping carton only
4	033887	End cap (Foam pad)
1	033697	Inside carton only
1	033725	Top pad
1	034008	Bottom pad
2	017218	Plastic foot (spacer)
1	033699	Wood skid
2	101169	#10 x 2-1/4" Wood screw
2	104033	#10 x 1-3/4" Flat washer
4	017218	Plastic foot
4	100159	#10-32 x 3/4" Machine screw
4	104083	#10 x 7/16" Flat washer



MA6500

INTEGRATED AMPLIFIER

SERVICE MANUAL

The continuous improvement of its products is the policy of McIntosh Laboratory Incorporated, who reserve the right to improve design with out notice. Because of the constant upgrading of McIntosh products' circuitry and components, the Company cannot insure, and does not warrant, the accuracy of the within schematic material, which is intended for information only.