

C42

AUDIO CONTROL CENTER



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McIntosh

SERVICE MANUAL

PERFORMANCE SPECIFICATIONS

FREQUENCY RESPONSE

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

TOTAL HARMONIC DISTORTION

0.002% maximum from 20Hz to 20,000Hz

SIGNAL TO NOISE RATIO

Phono: 86dB (A Weighted)
High Level: 97dB (A Weighted)

RATED OUTPUT VOLTAGE

Main and Outputs 1 and 2: 2.5Vrms

MAXIMUM VOLTAGE OUTPUT

Main and Outputs 1 and 2: 10Vrms

OUTPUT IMPEDANCE

240 ohms

INPUT IMPEDANCE

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

SENSITIVITY

Phono: 4.5mV for rated output
High Level: 450mV for rated output

MAXIMUM INPUT SIGNAL

Phono: 50mV
High Level: 5V

VOLTAGE GAIN

Phono to Tape Out: 40dB
High Level to Tape Out: 0dB
High Level to Main Out: 15dB

POWER REQUIREMENTS


100Volts, 50/60Hz, 30 Watts
110Volts, 50/60Hz, 30 Watts
120Volts, 50/60Hz, 30 Watts
220Volts, 50/60Hz, 30 Watts
230Volts, 50/60Hz, 30 Watts
240Volts, 50/60Hz, 30 Watts

Note: Refer to the rear panel of the C42 for the correct voltage

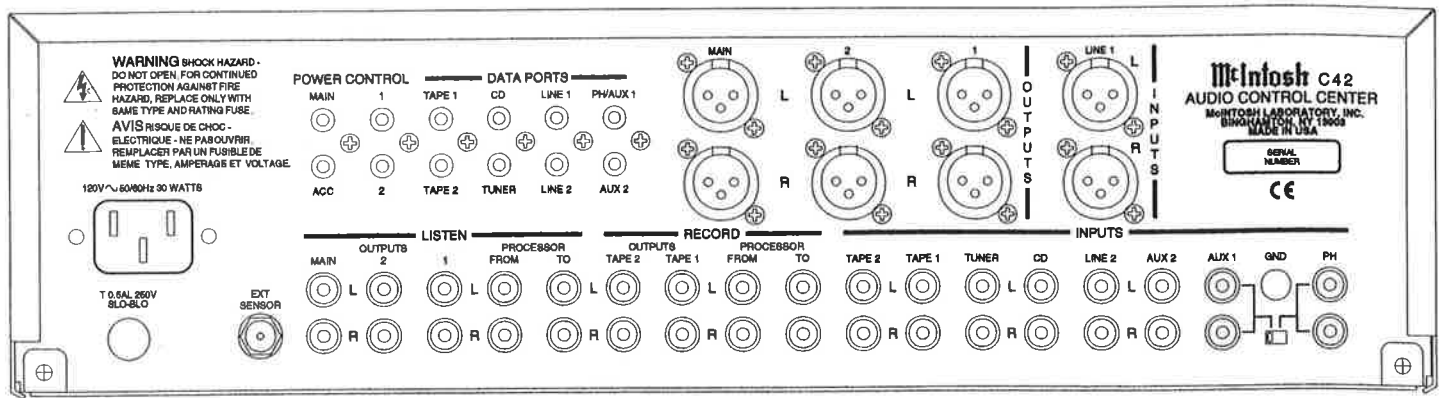
DIMENSIONS

Width: 17-1/2 inches (44.5cm)
Height: 5-3/8 inches (13.7cm)
Depth: 18-1/2 inches (44.5cm) ,including clearance for connectors

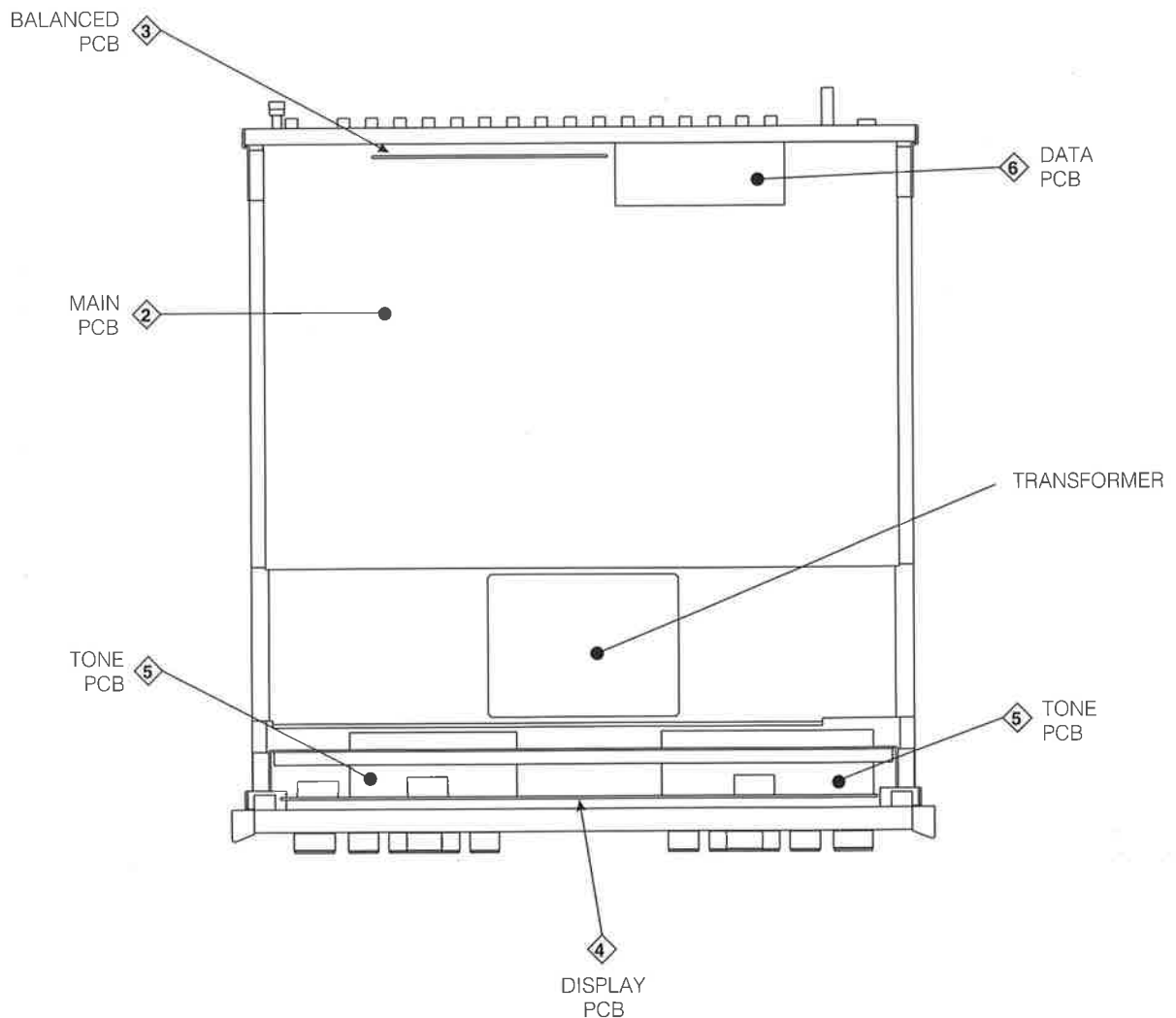
NOTES

1. The heavy notes on the schematic 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 +/-10% with respect to ground. A high impedance (10 megaohm) voltmeter must be used.
3. Unless otherwise specified:
 - a. Resistor values are in ohms.
 - b. Capacitor values are microfarads (uF).
 - c. Inductor values are in microhenries (uH).
4. On PC board drawings, Square pad indicates:
 - a. Polarized Capacitors — Positive
 - b. Diodes — Cathode
 - c. Others — Pin 1
5. **WARNING:**
Parts marked with the symbol  have critical characteristics. Use only replacement parts recommended by the manufacturer.

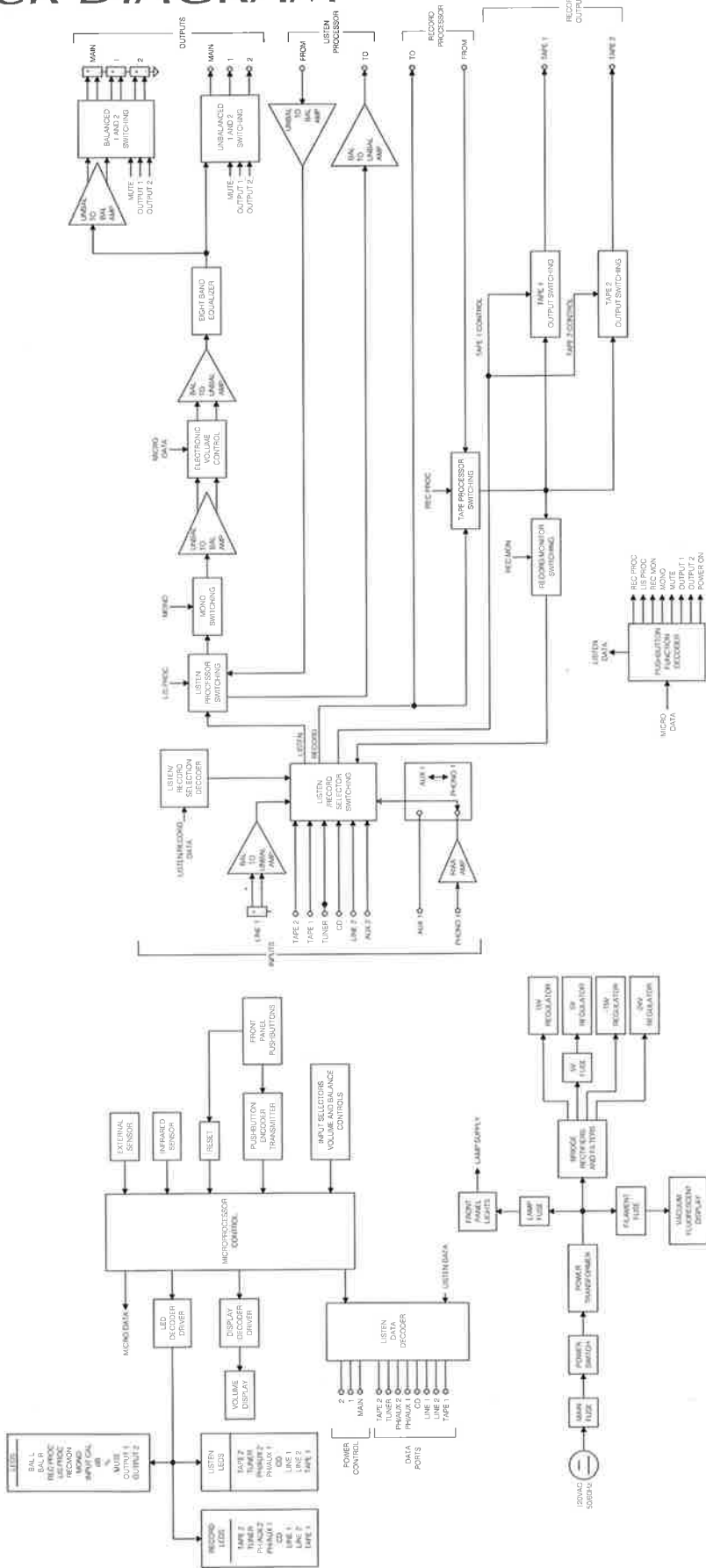
REAR PANEL



SECTION LOCATIONS

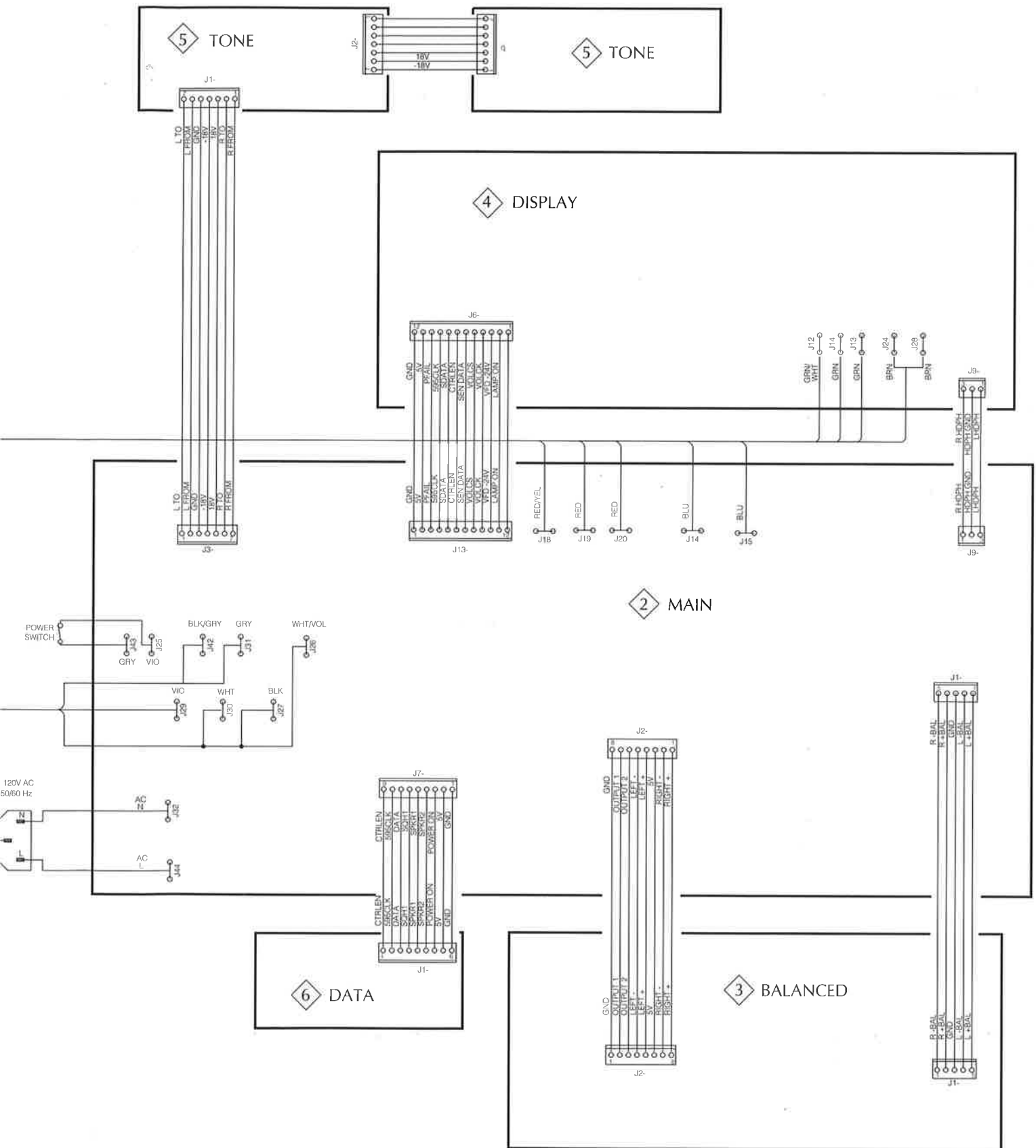


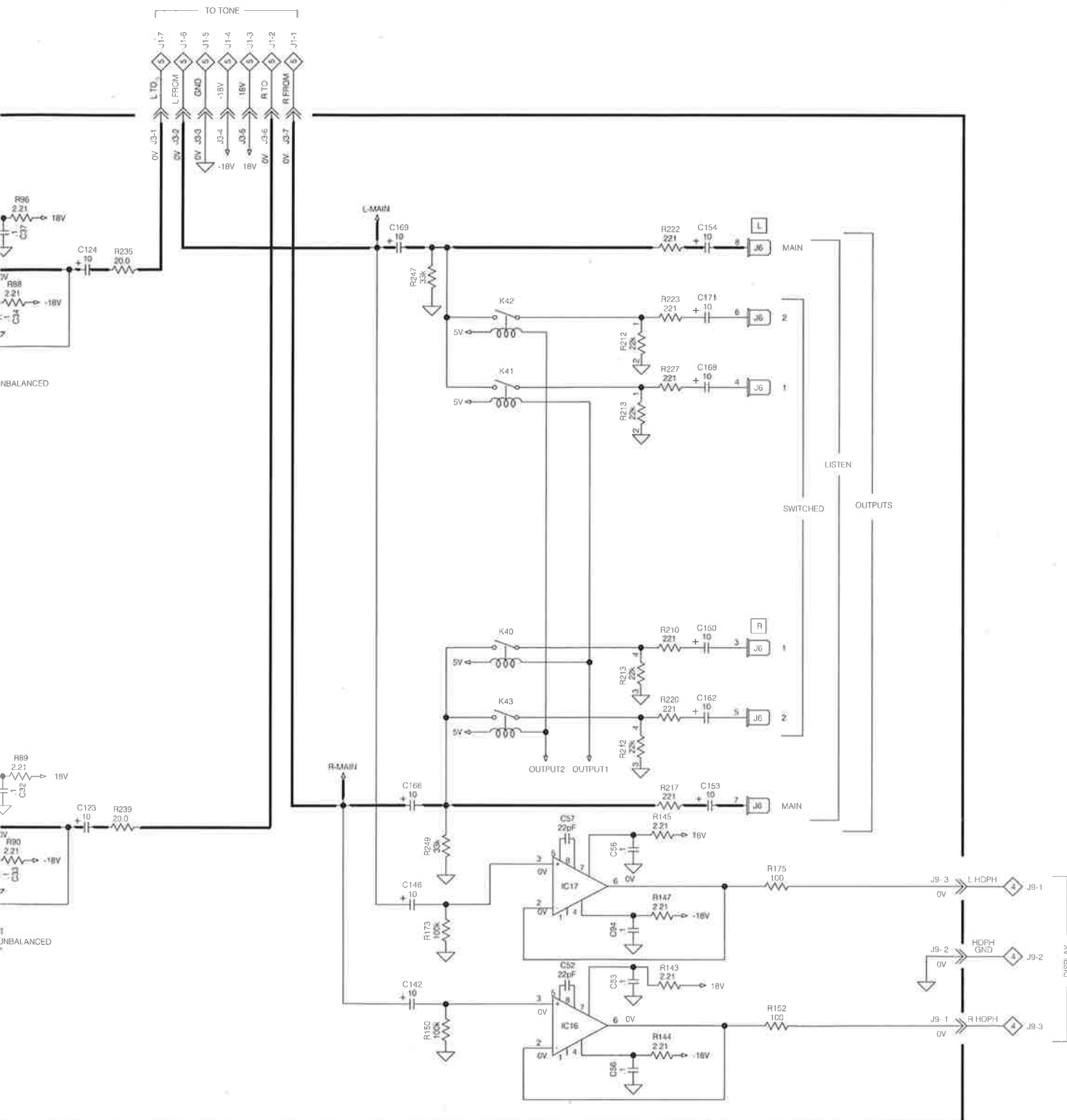
BLOCK DIAGRAM

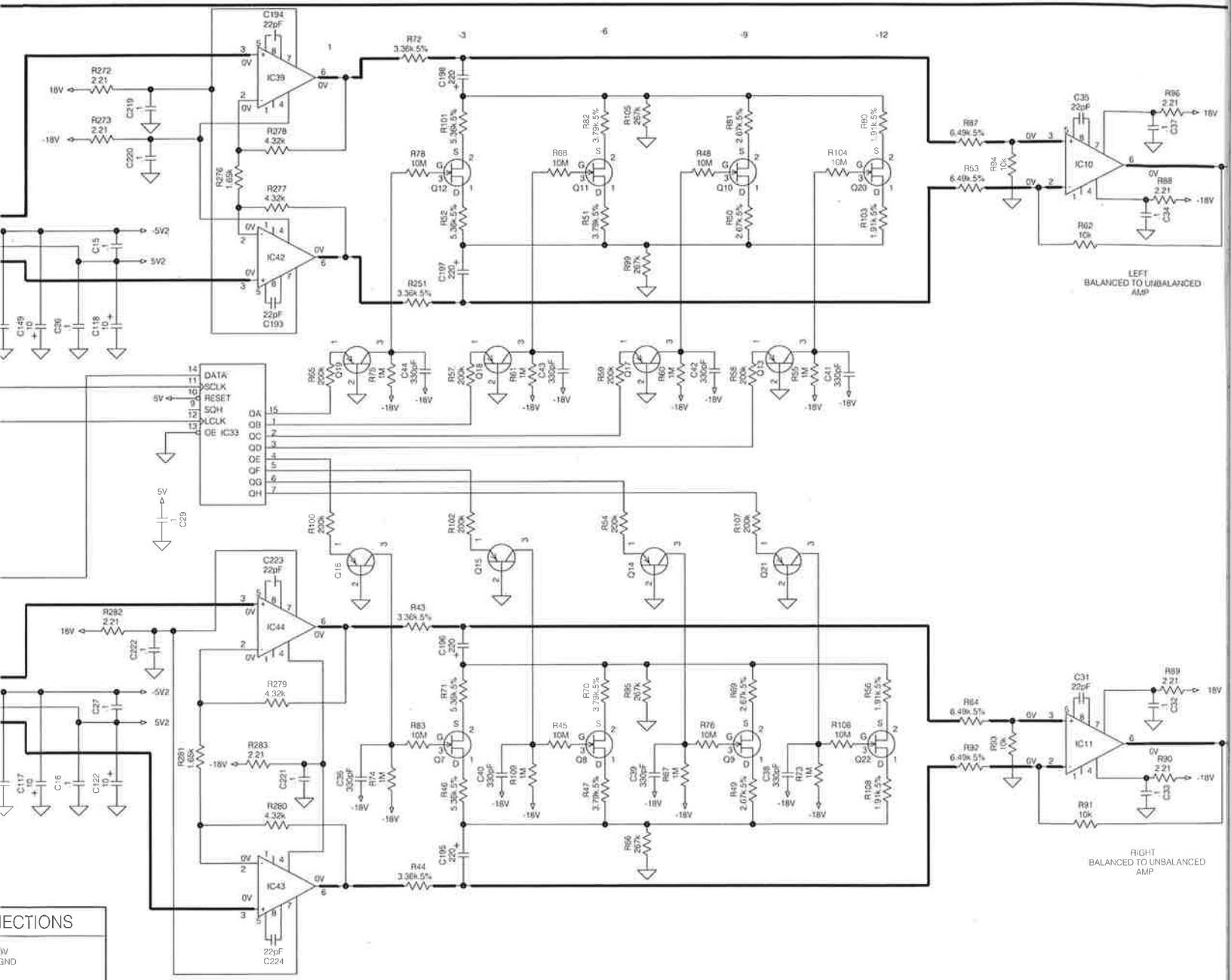


1

INTERCONNECTION DIAGRAM



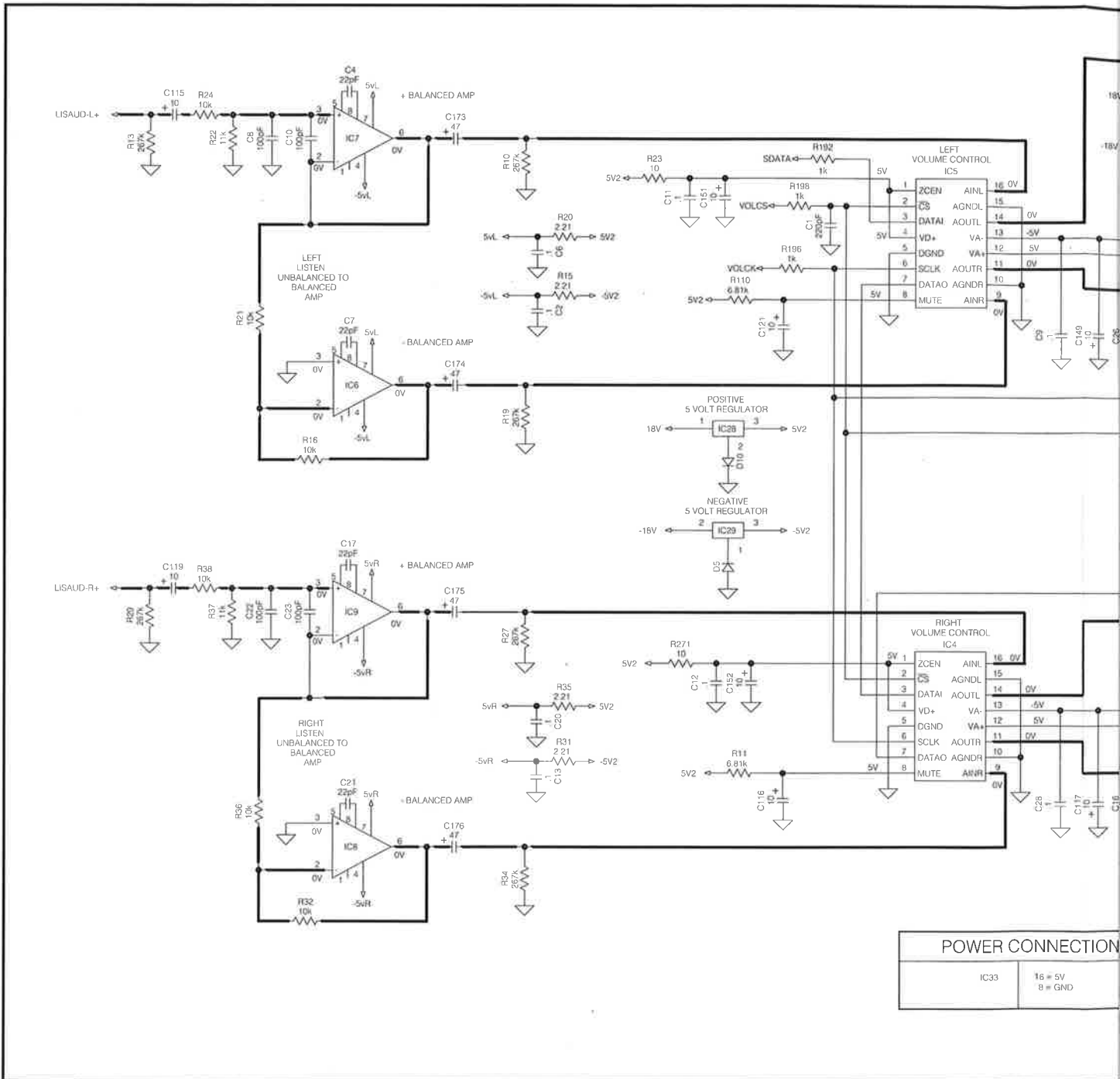




CONNECTIONS

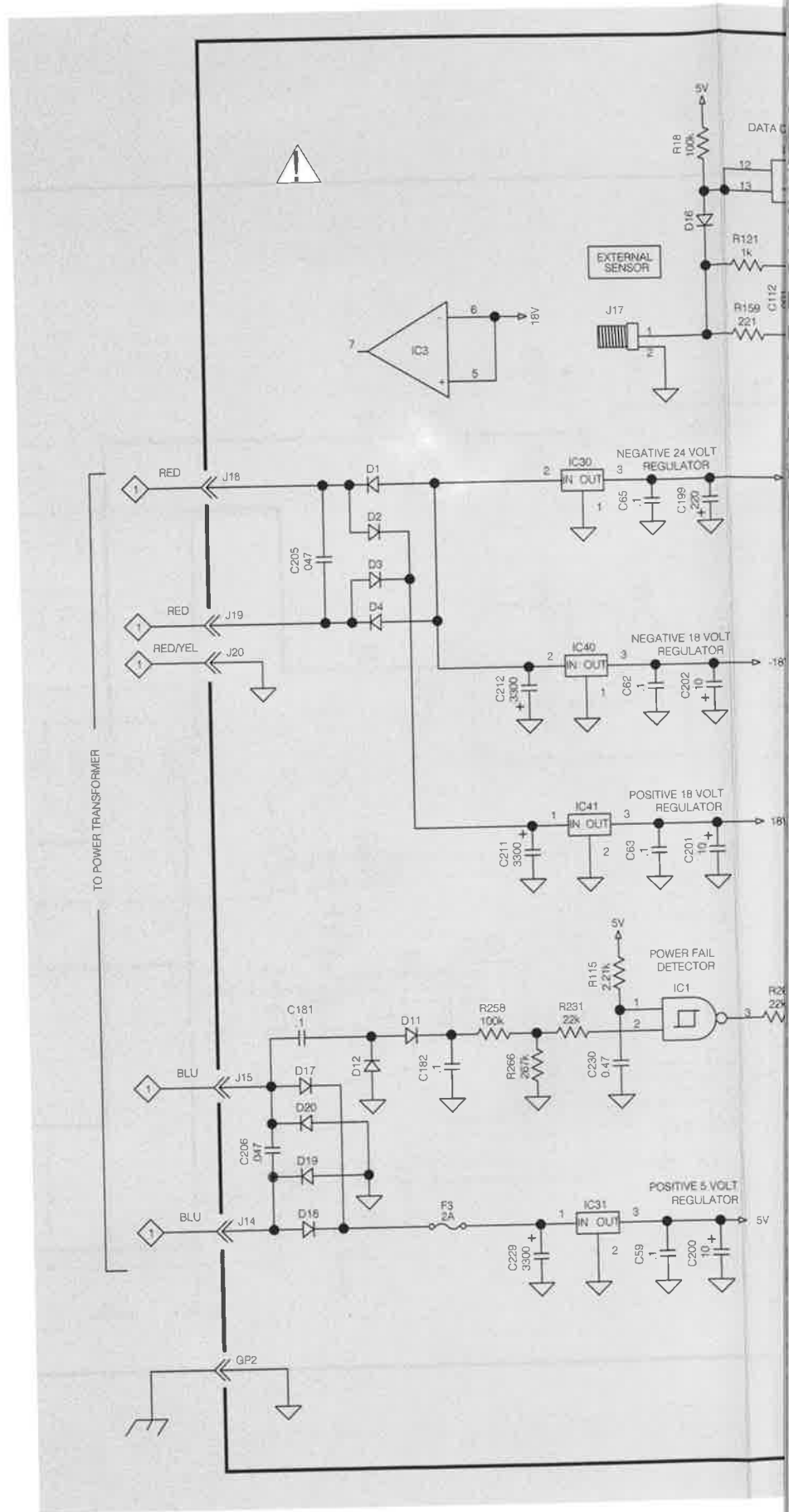
18V
5V
GND

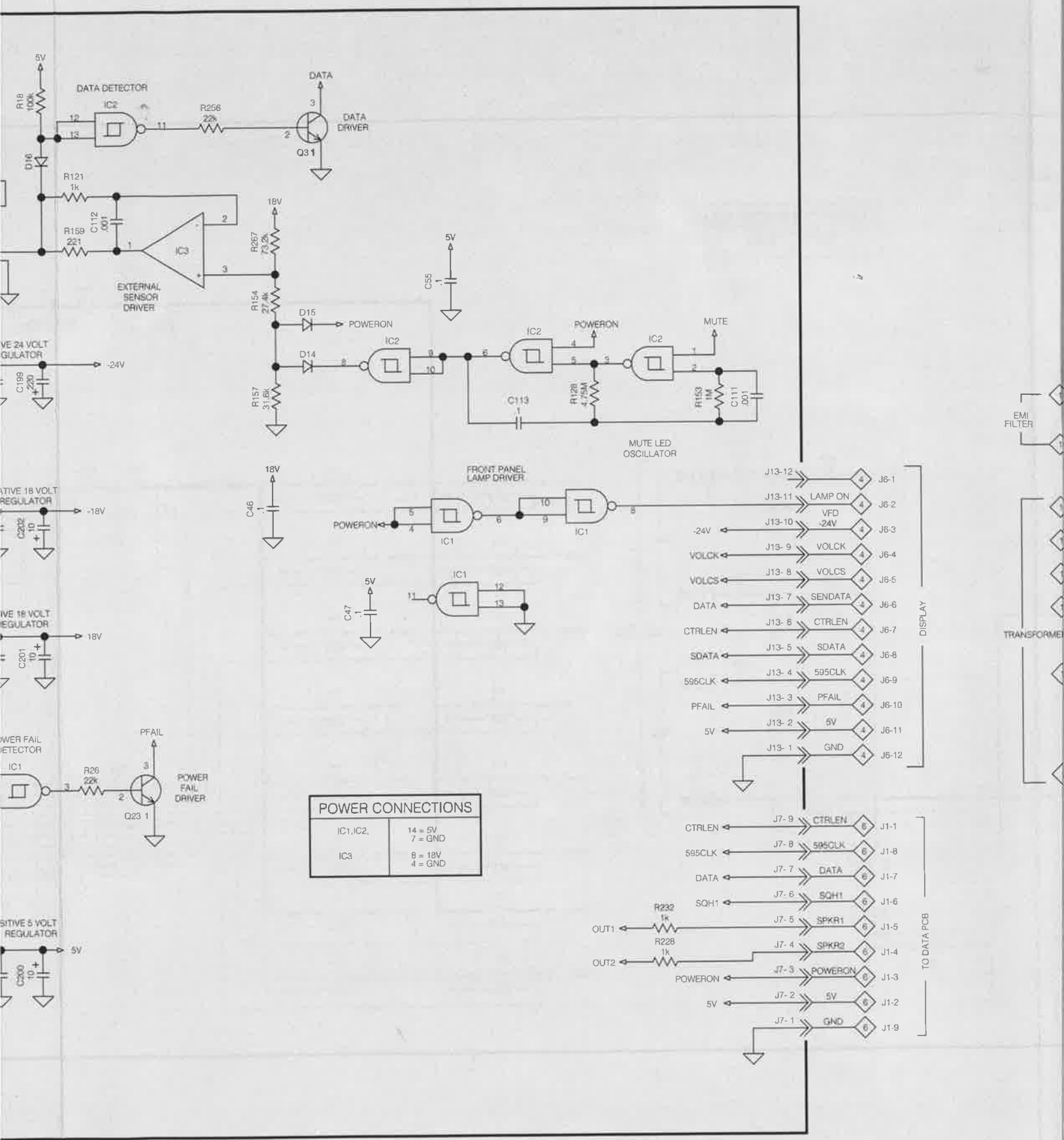
2 MAIN (1 of 4) 049186

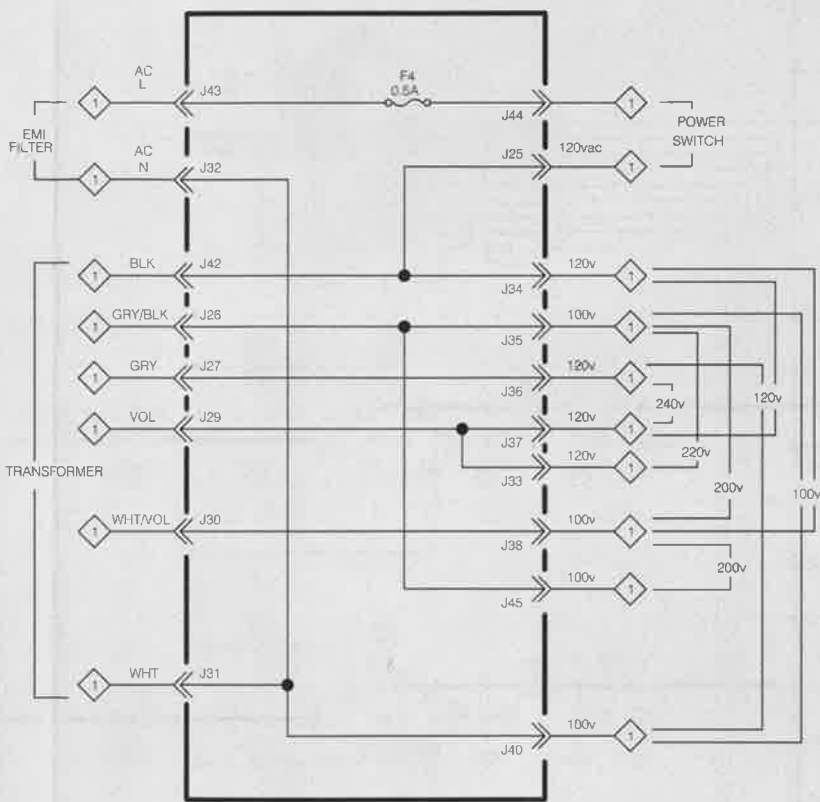


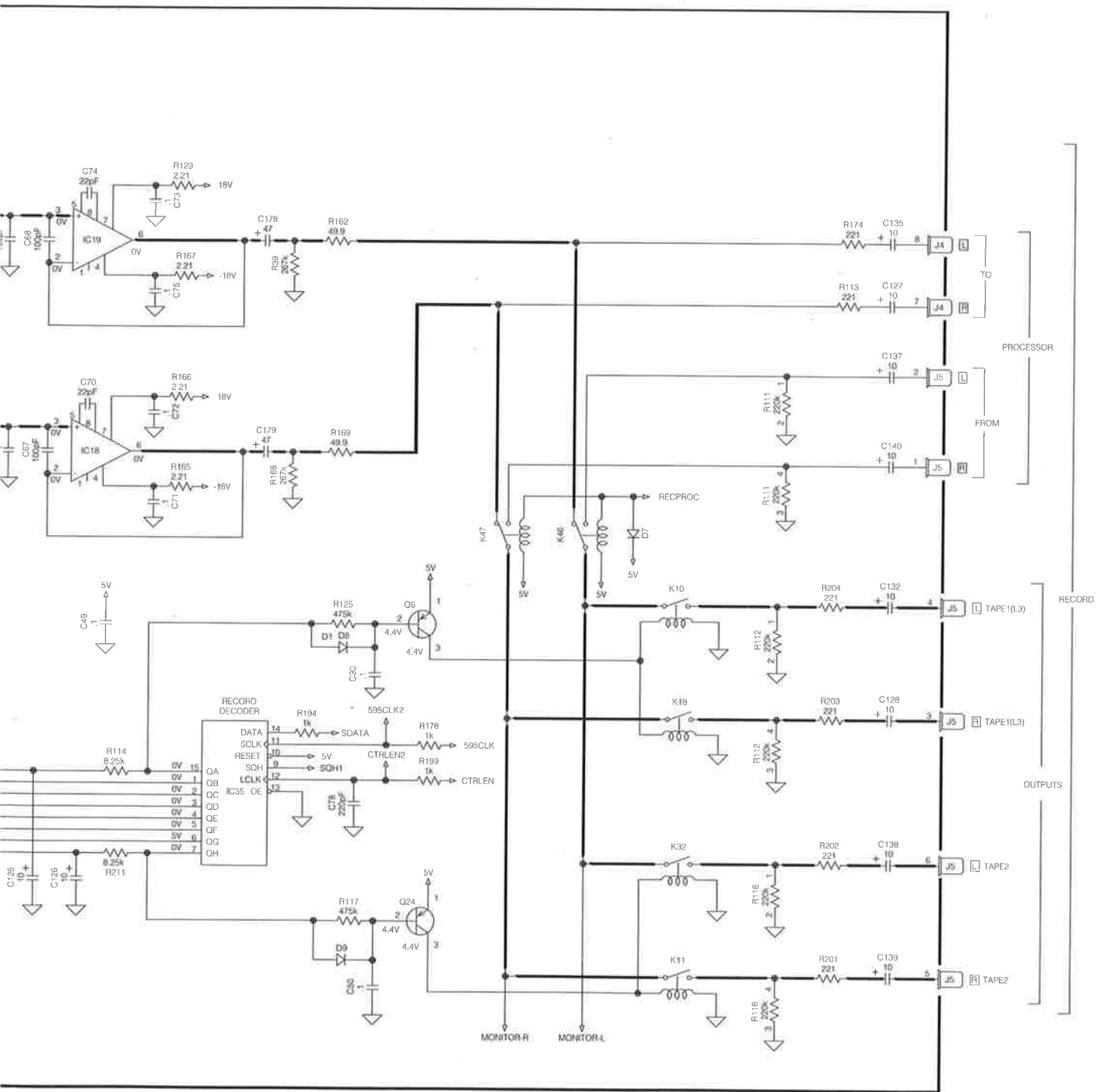
2 (2 of 4) 049186

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



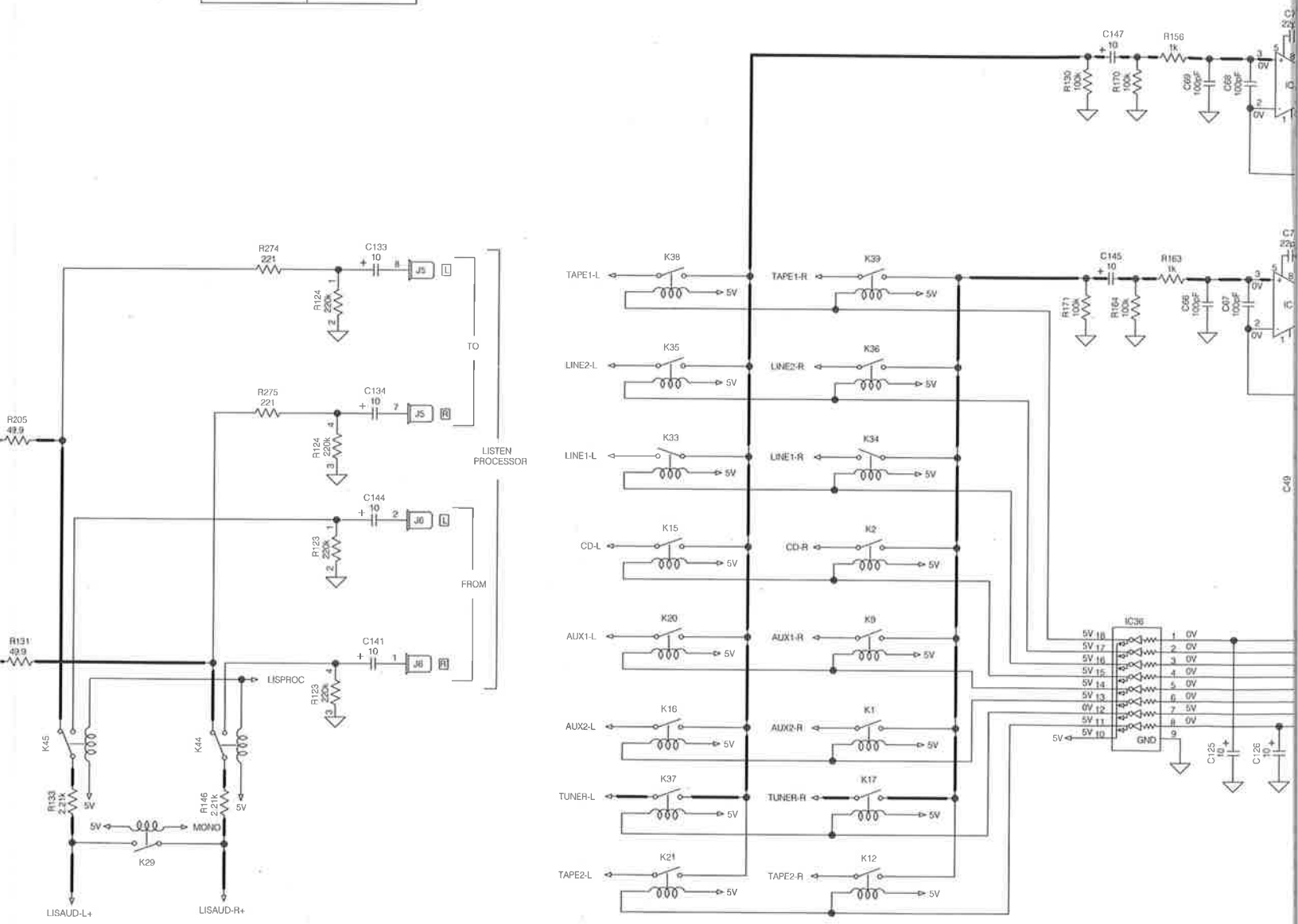




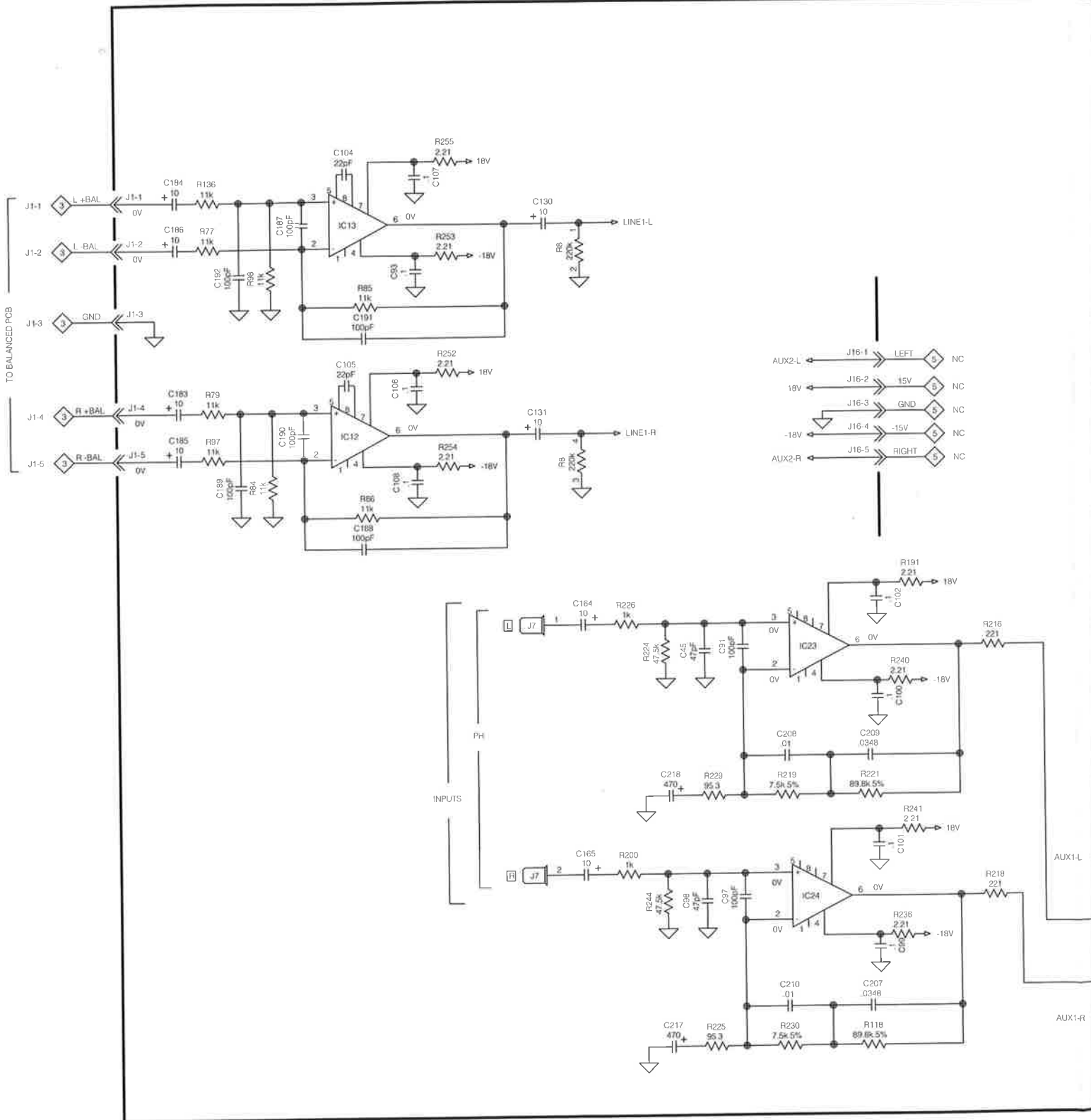


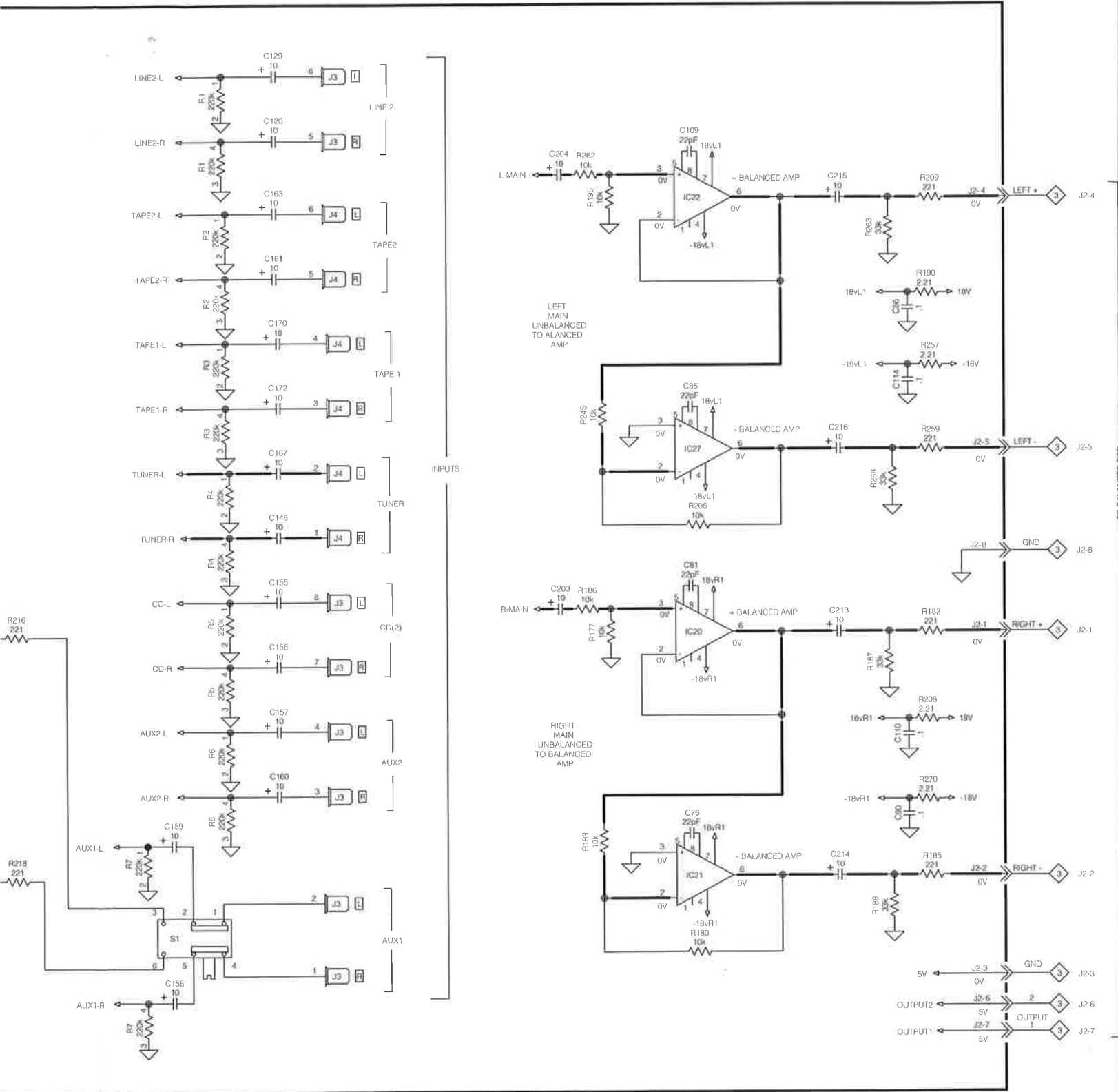
POWER CONNECTIONS

IC32, IC34	16 = 5V
IC35	8 = GND

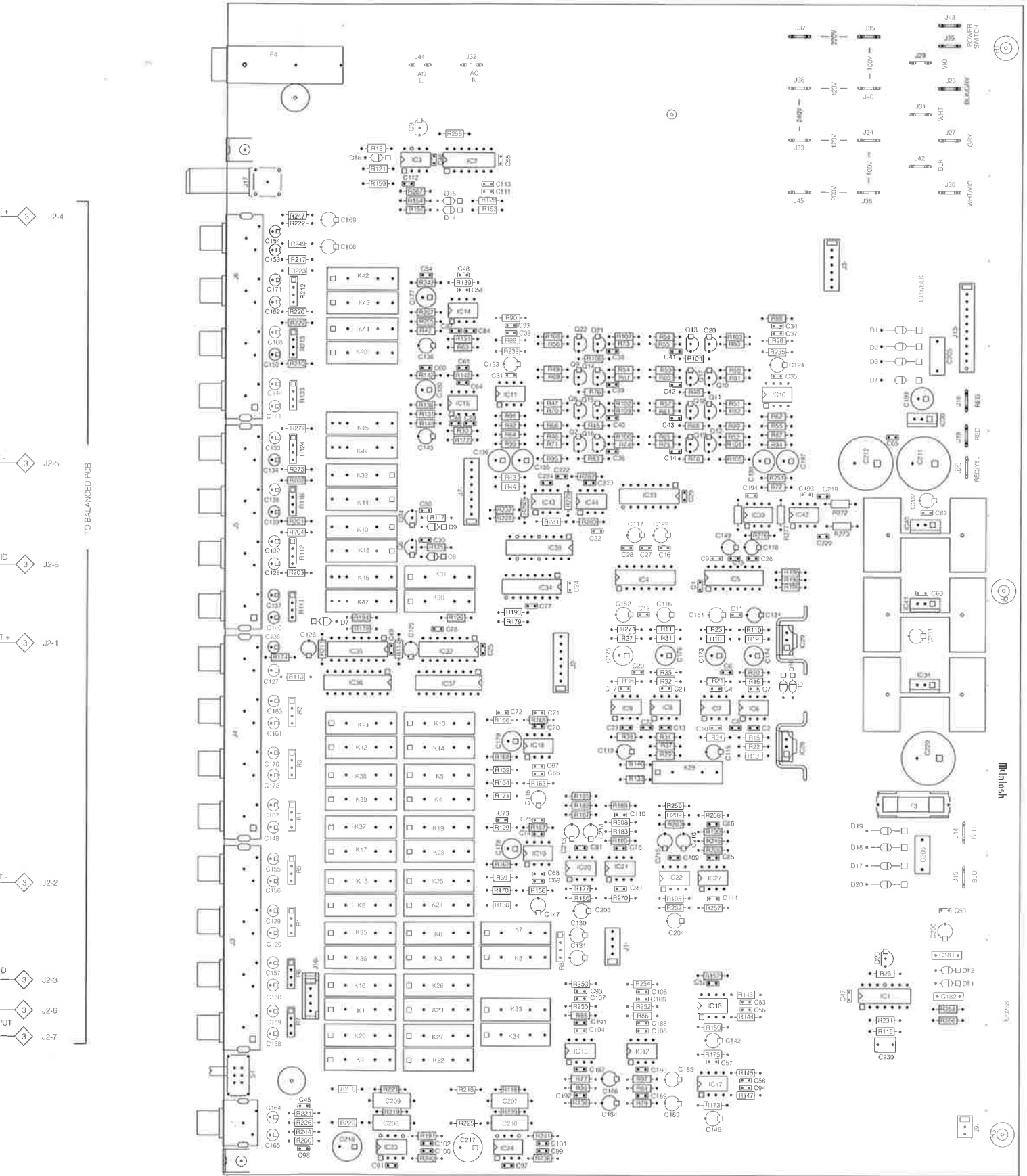


2 (4 of 4) 049186

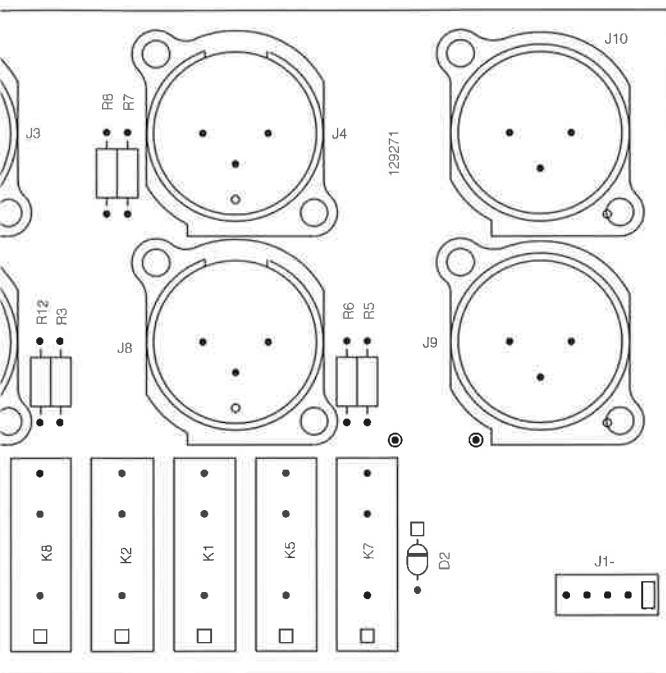


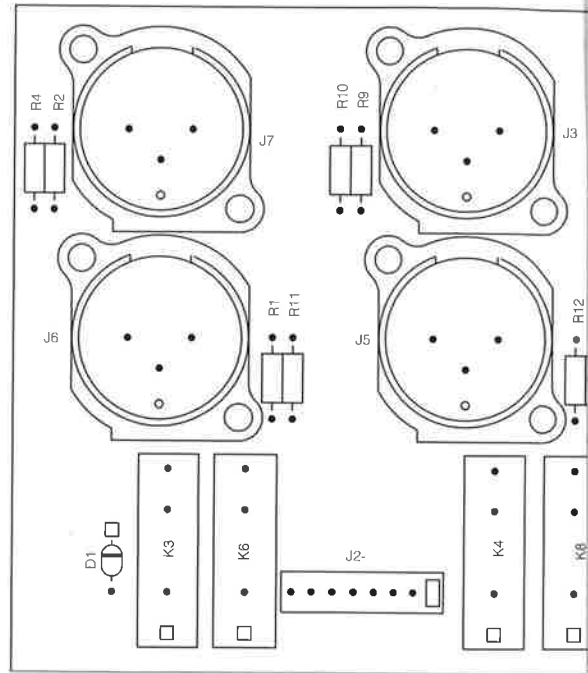
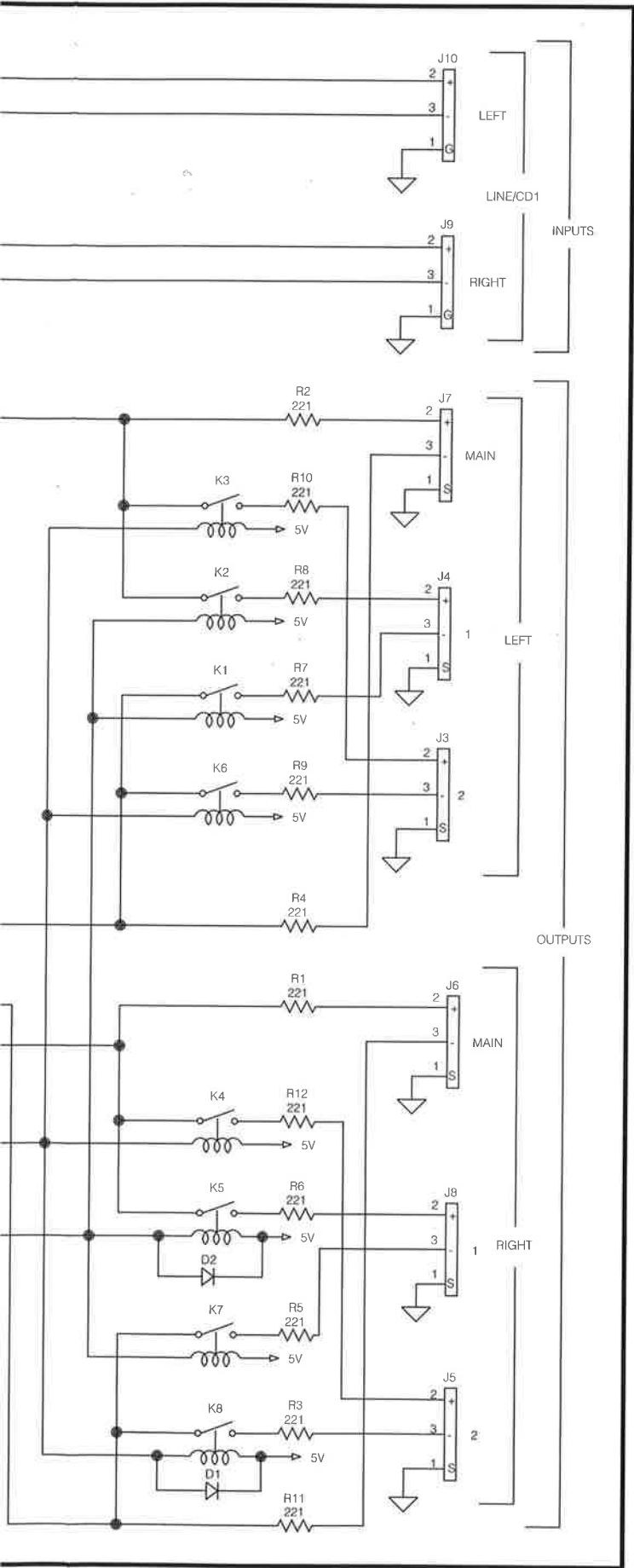


2 PCB 049186



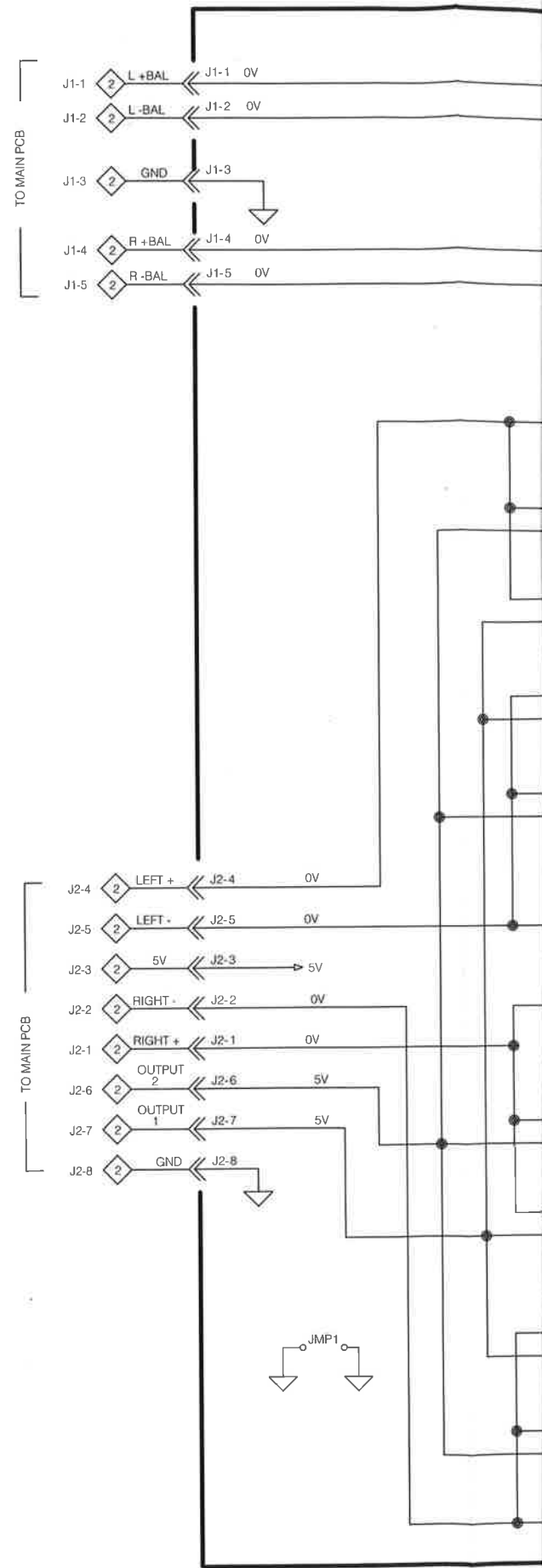
3 PCB 049189



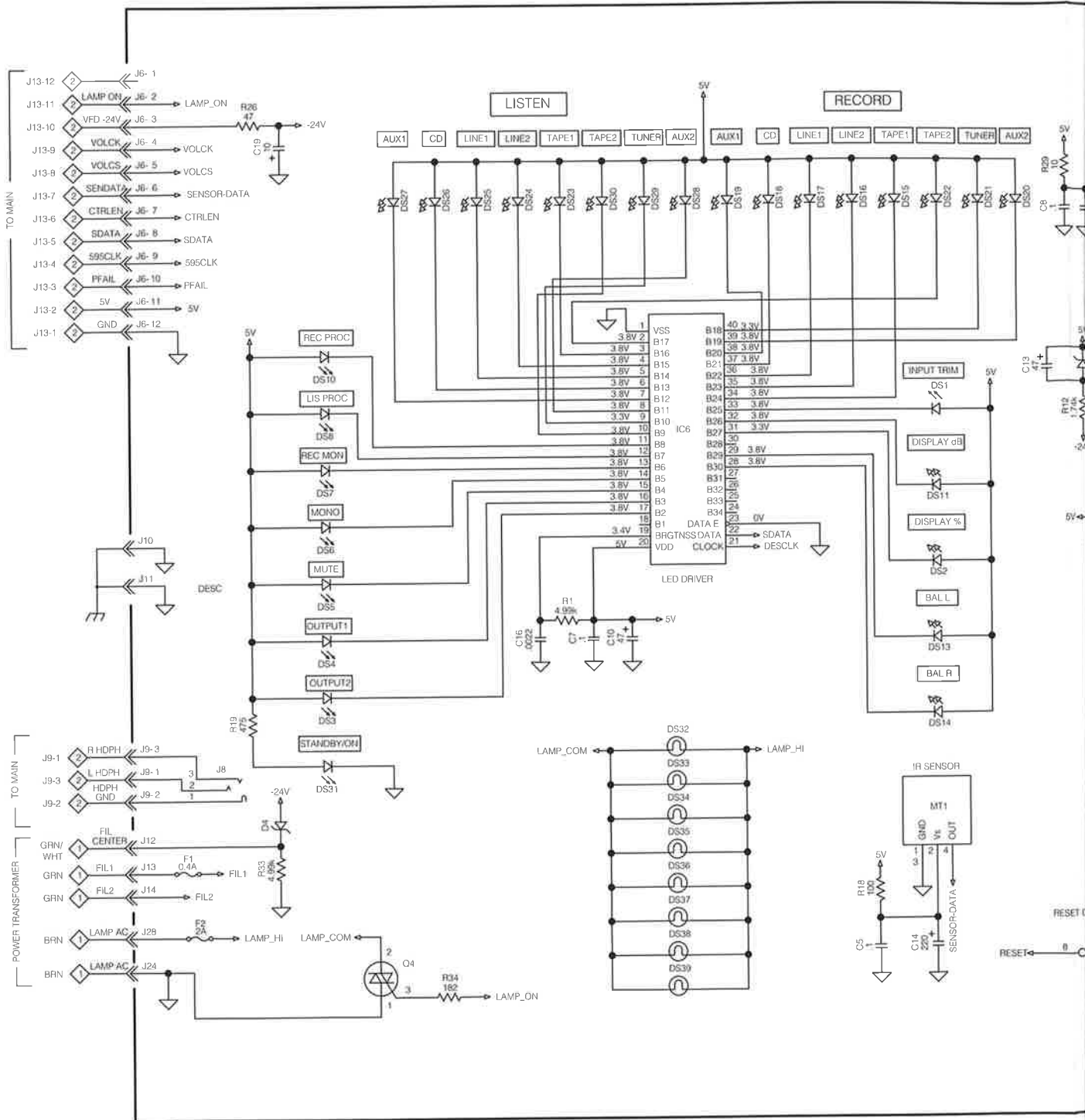


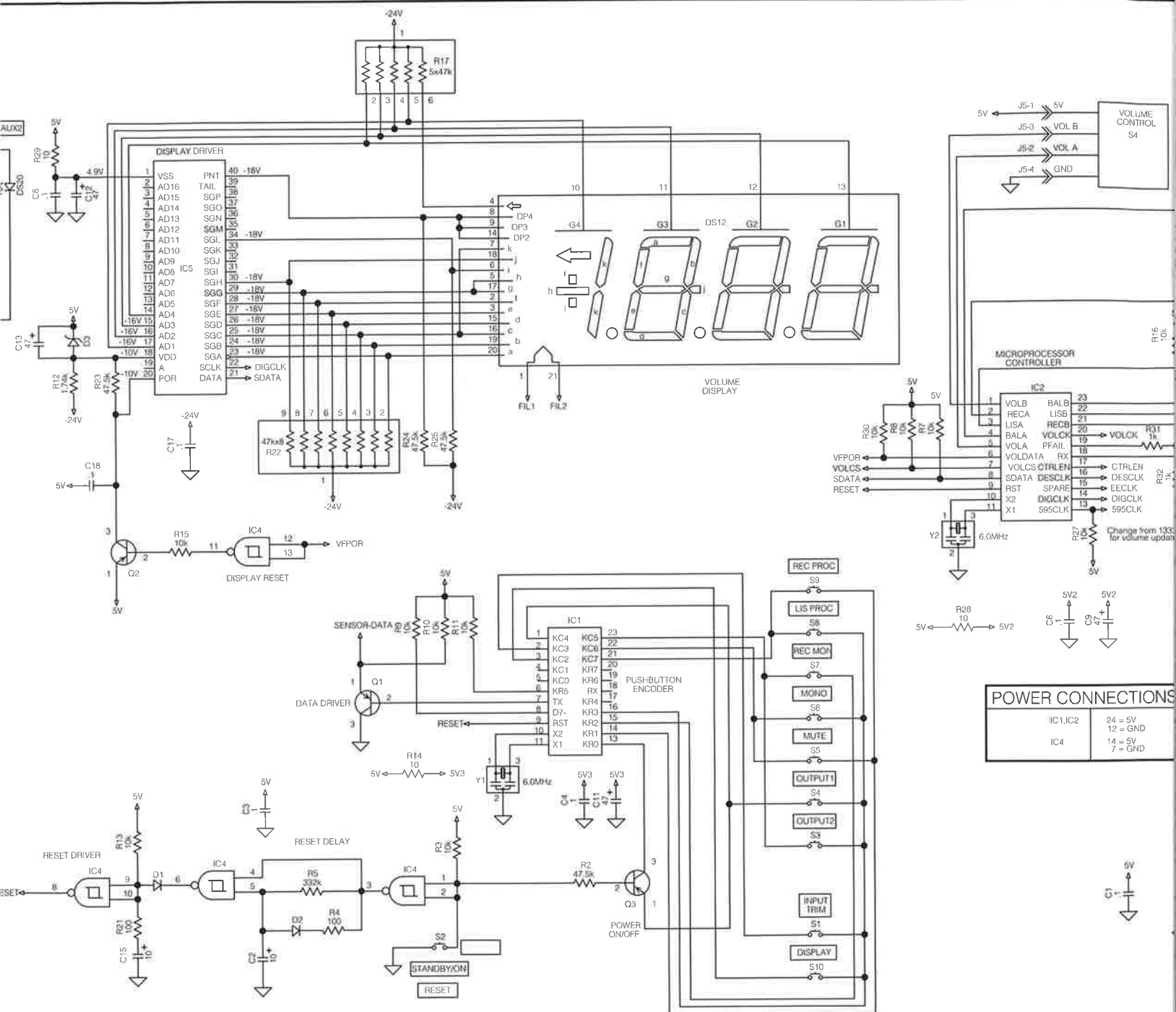
3

BALANCED 049189

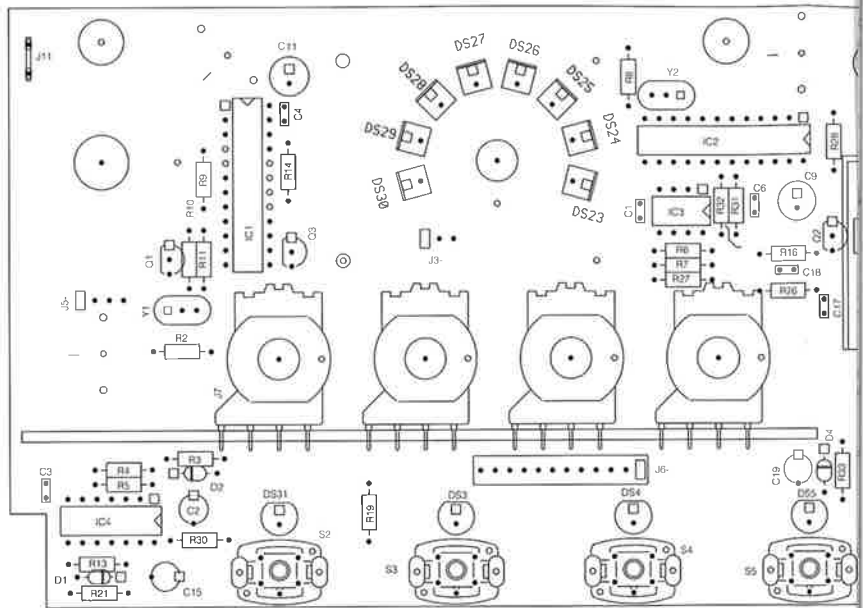
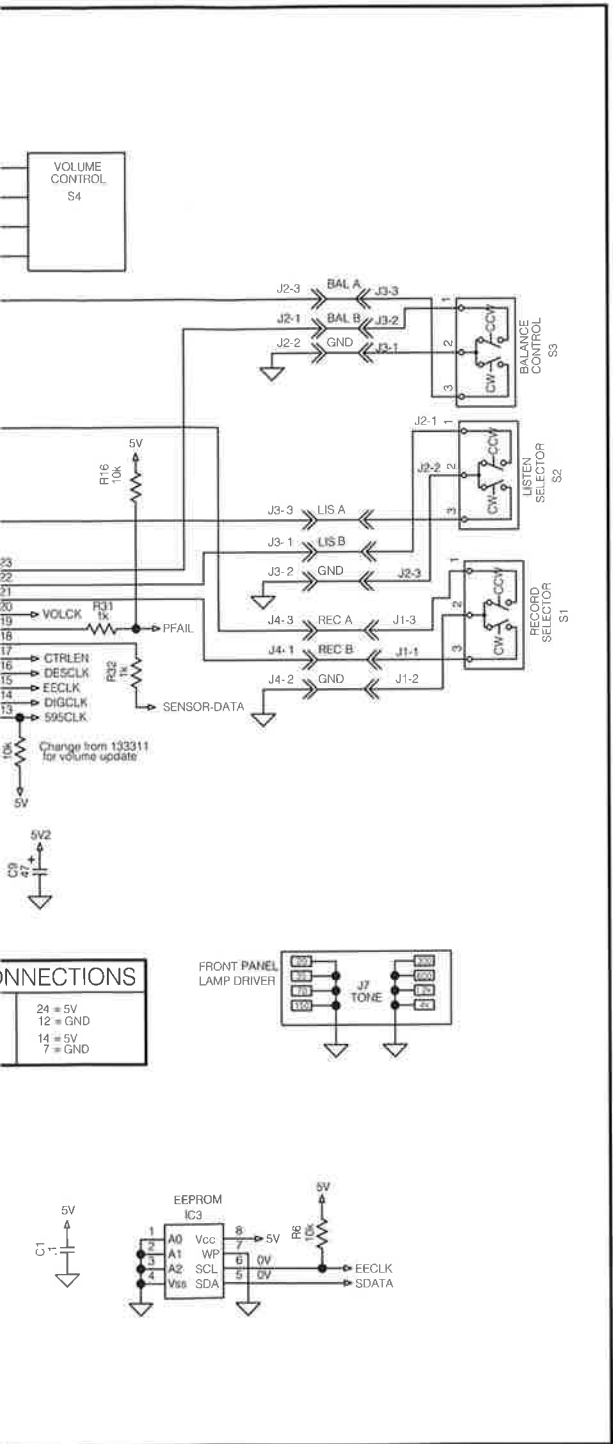


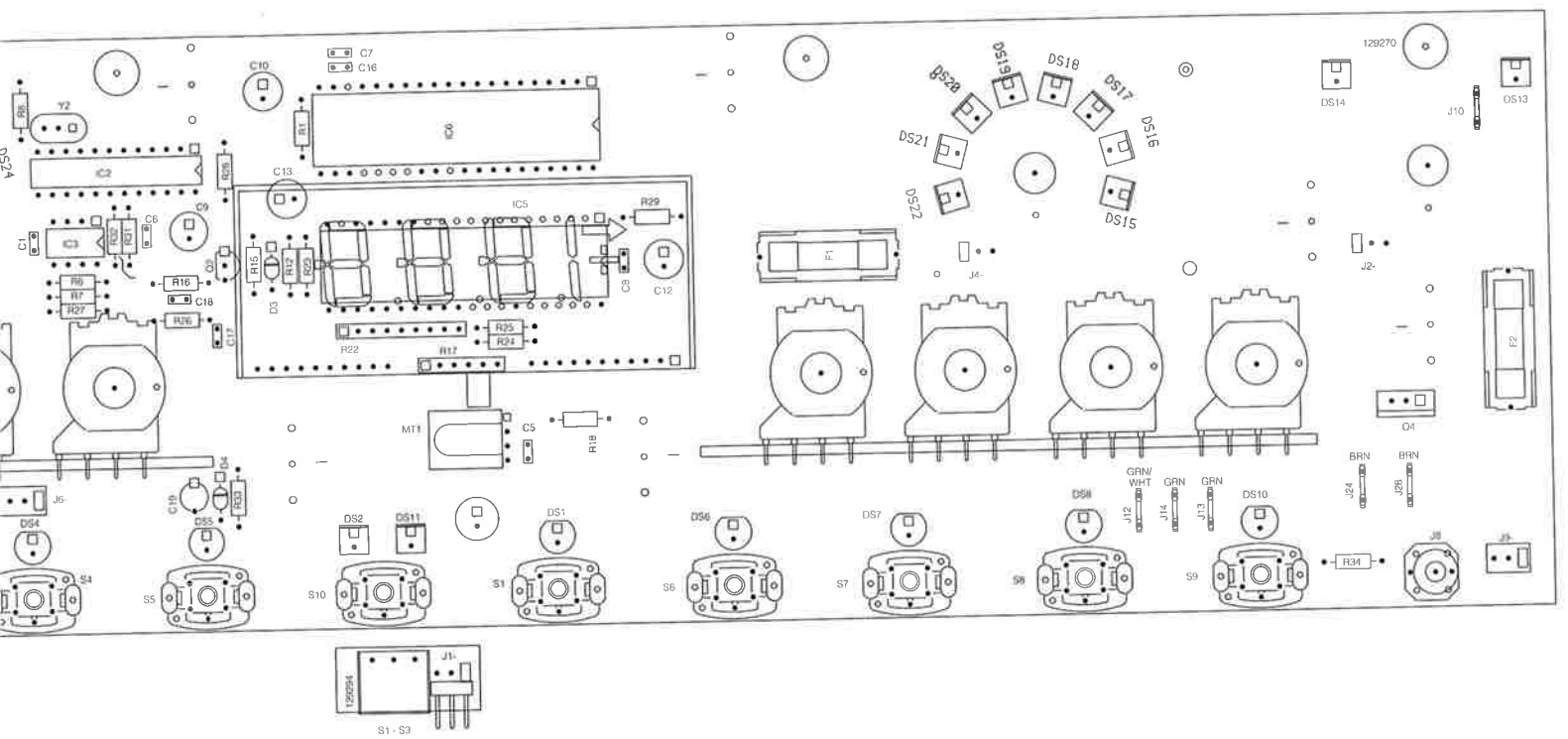
4 DISPLAY 049188





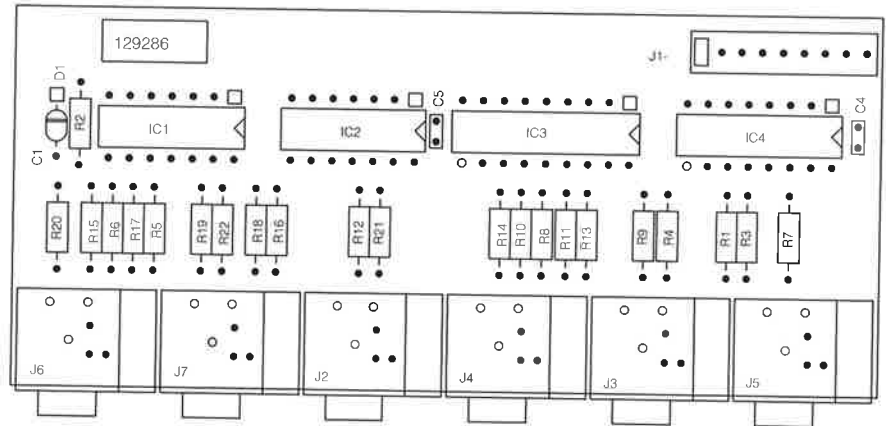
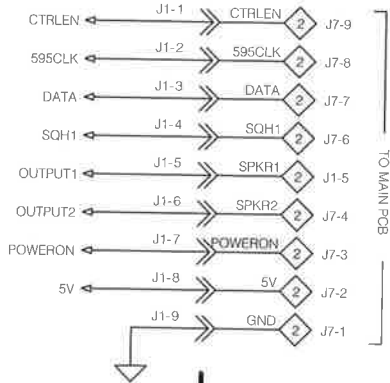
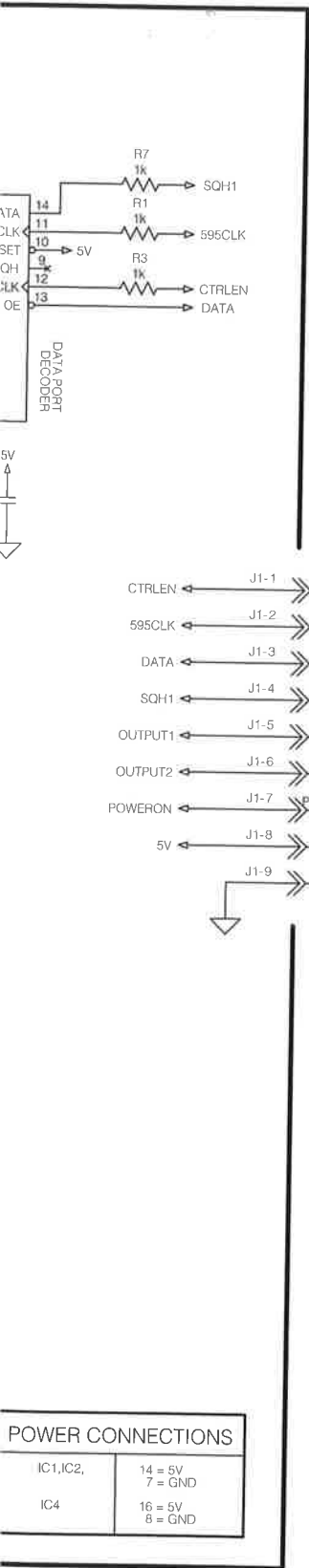
4 PCB 049188





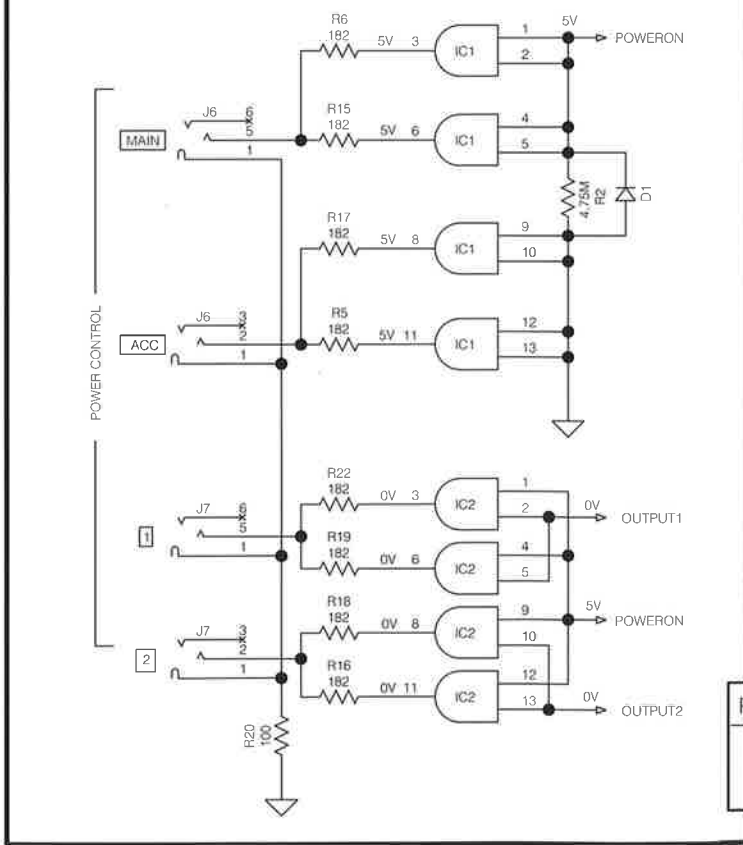
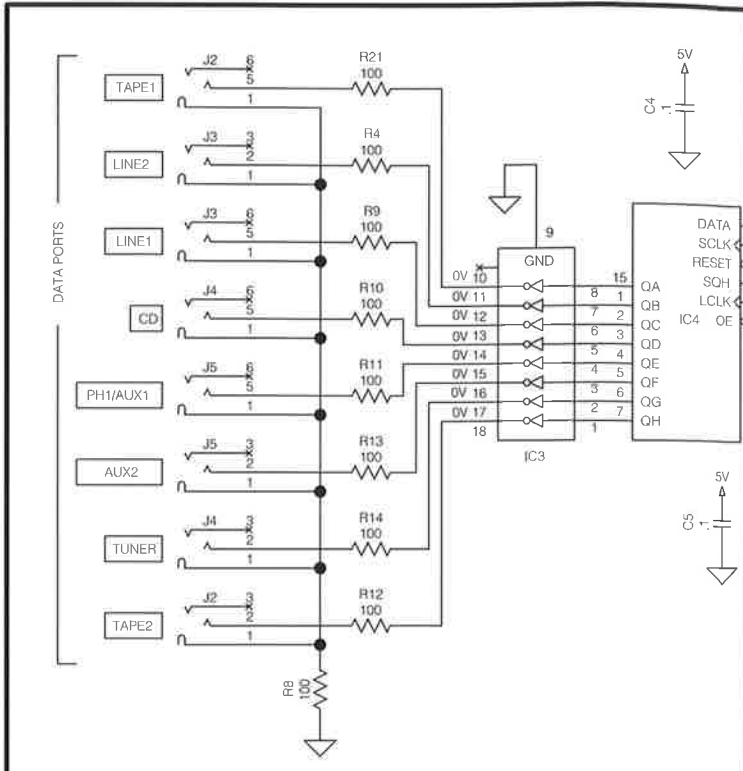
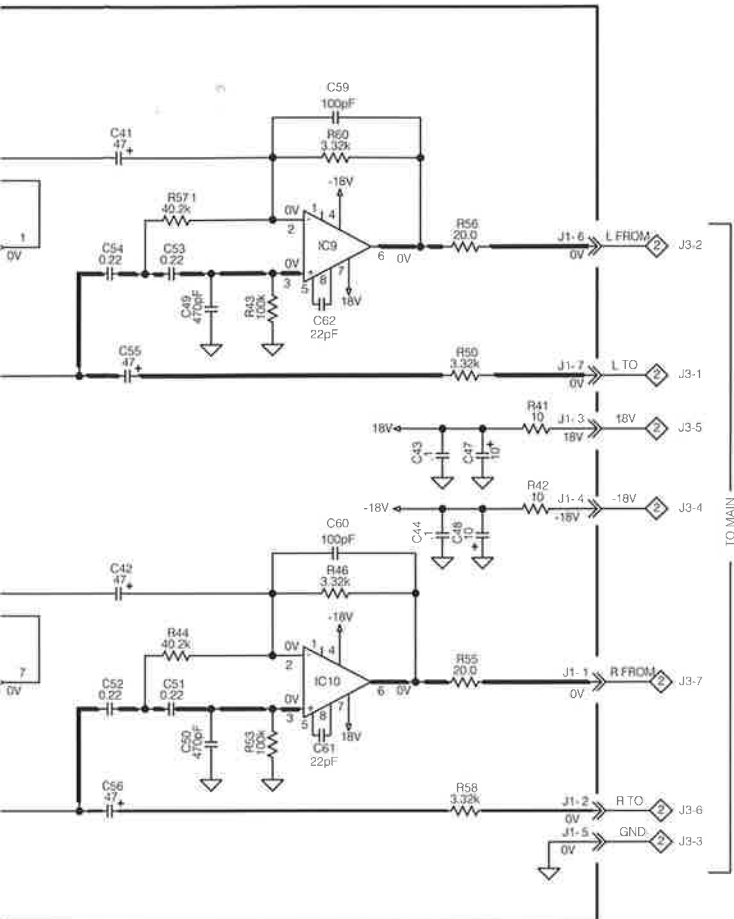
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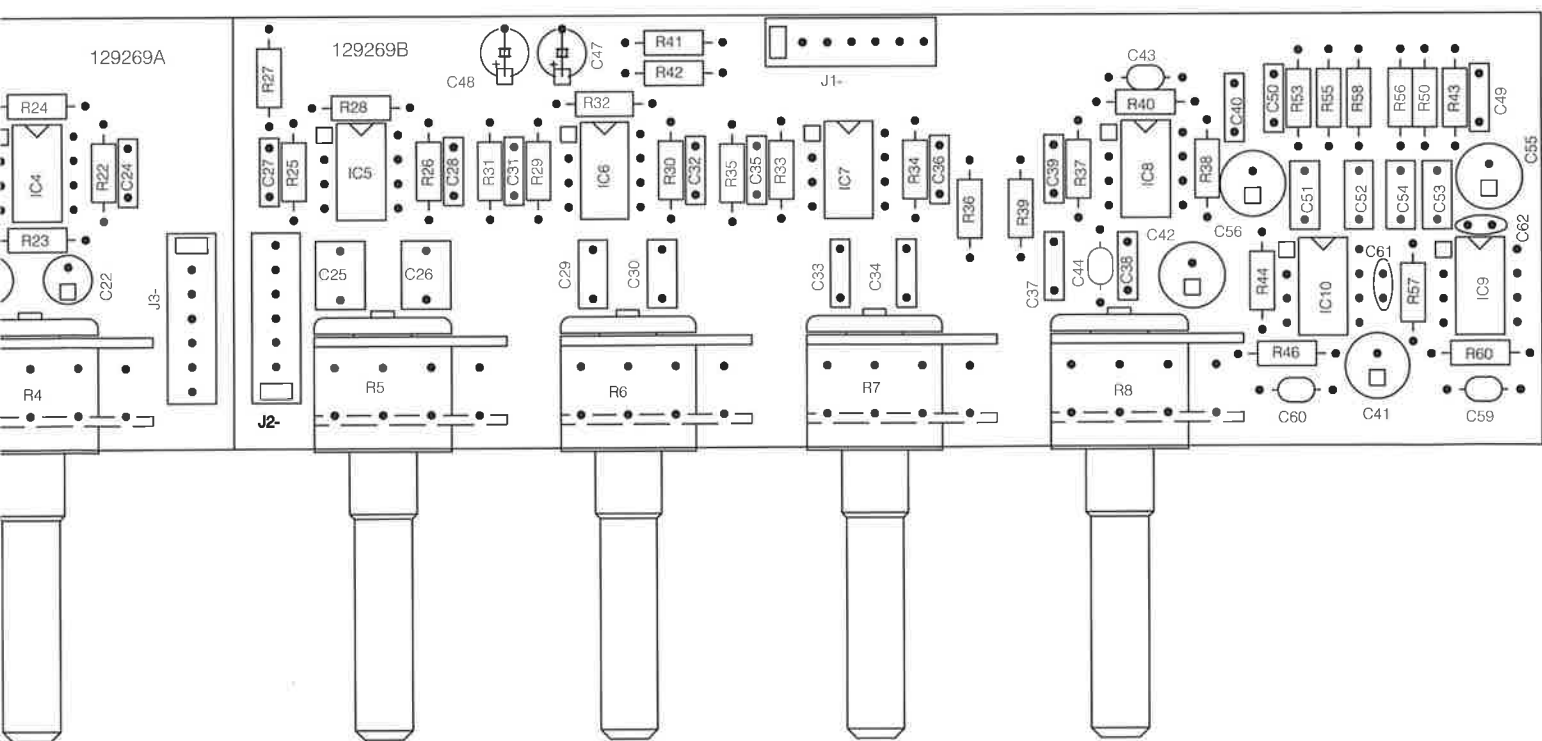
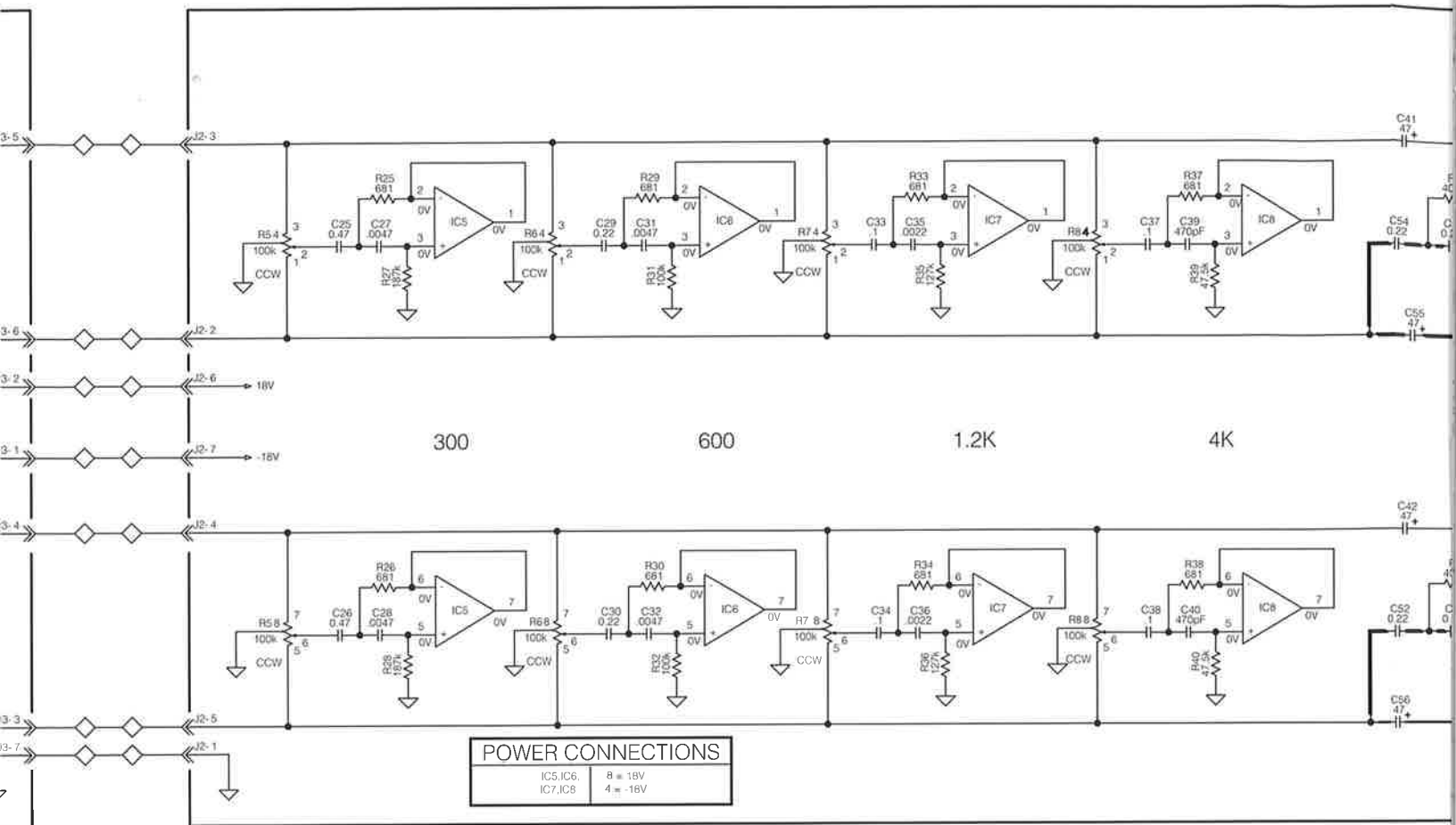
PCB 049200



POWER CONNECTIONS	
IC1, IC2,	14 = 5V 7 = GND
IC4	16 = 5V 8 = GND

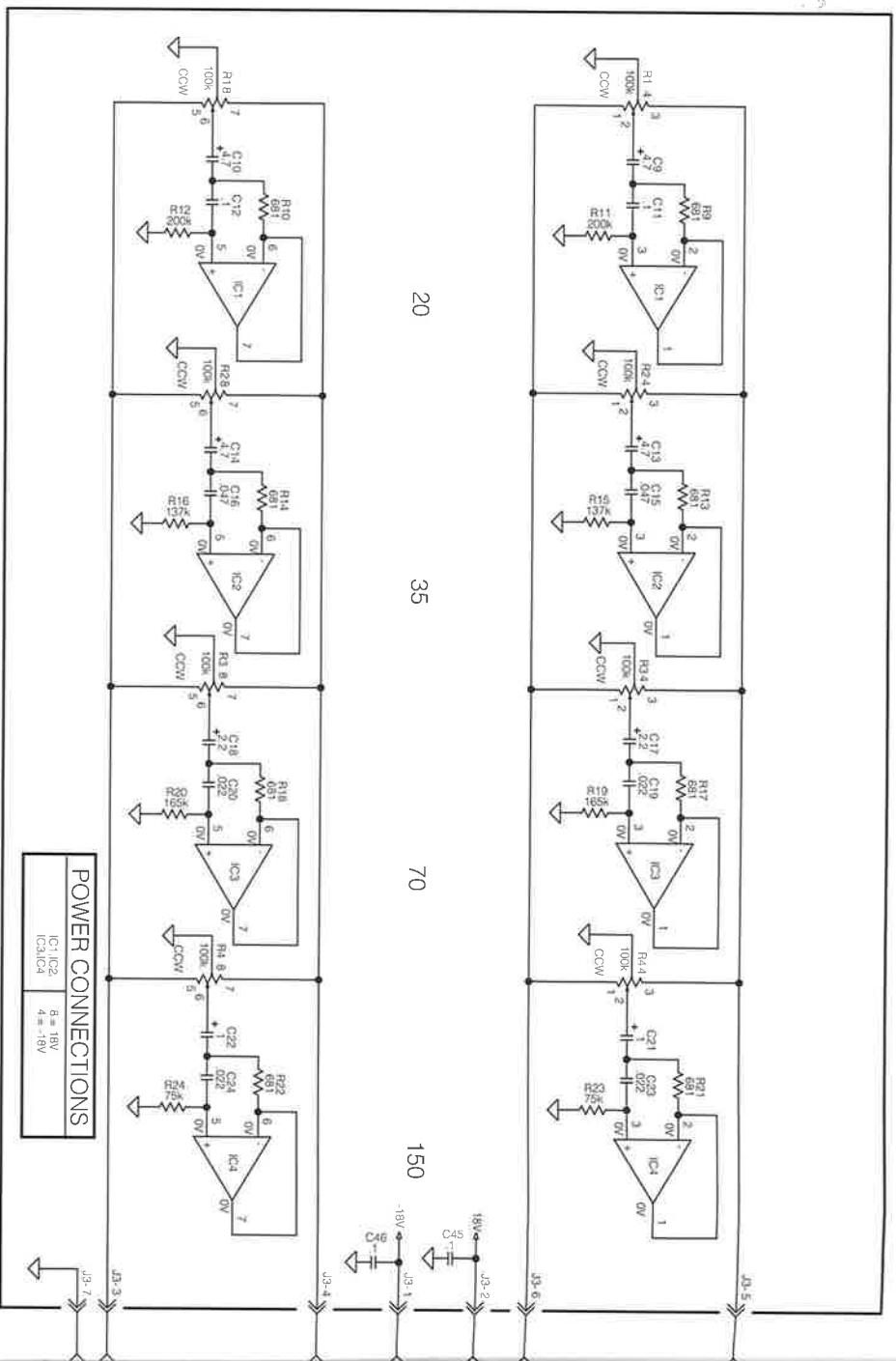
6 DATA 049200





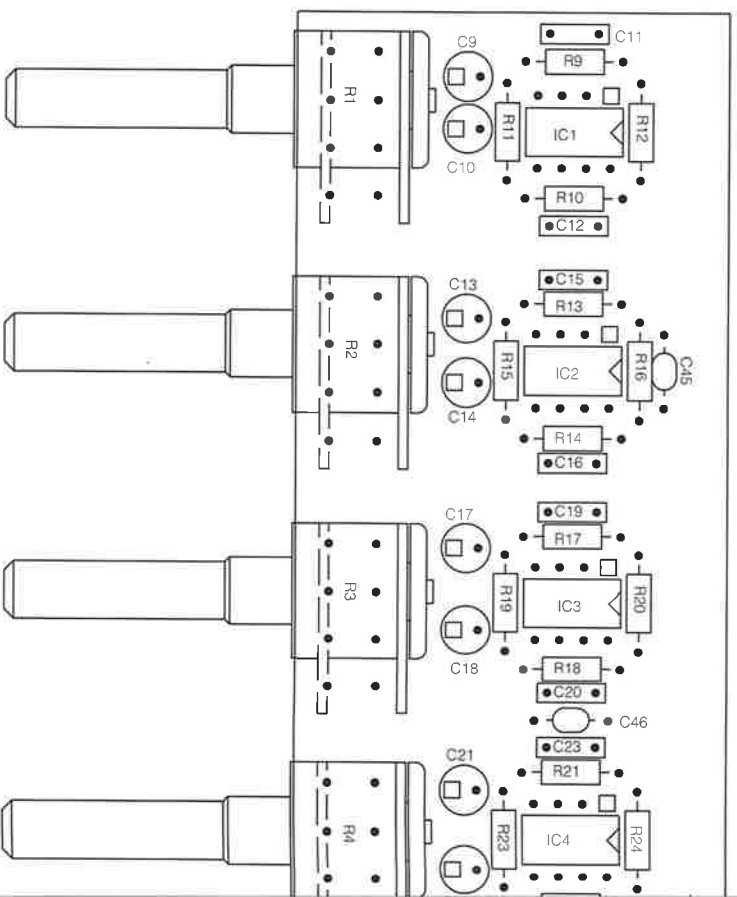
5

TONE 049187



5

PCB 049187



PARTS LIST

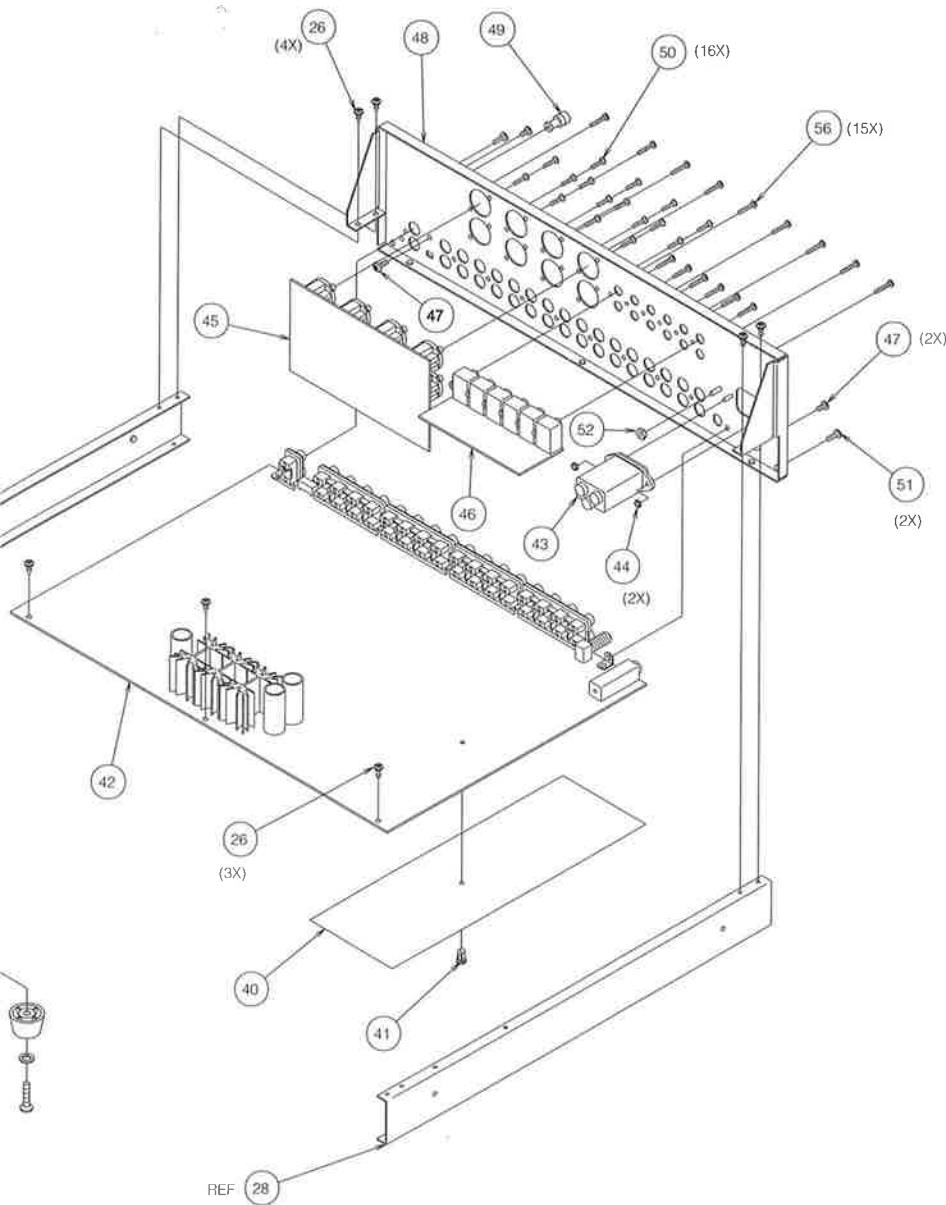
PART NO.	DESCRIPTION	REFERENCE NO.	PART NO.	DESCRIPTION	REFERENCE NO.	PAR
049106	INTERCONNECTION DIAGAM				C215 C216	
049117	POWER TRANSFORMER		070031	SIL DIODE:400 PIV @ 1.5A (RED)	D1 D2 D3 D4 D17 D18 D19 D20	1440
117638	AC RECEPTACLE with LINE FILTER		070047	SILICON DIODE 1N4148 T&R	D5 D7 D8 D9 D10 D11 D12 D14 D15 D16	
117670	CONNECTOR 3-PIN RIGHT ANGLE	J1	087050	REED RELAY:FORM 1A, 5V,500 OHMS	K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12 K13 K14 K15 K16 K17 K18 K19 K20 K21 K22 K23 K24 K25 K26 K27 K28 K29 K30 K31 K32 K33 K34 K35 K36 K37 K38 K39 K40 K41 K42 K43	1441
146249	SWITCH PULSE ROTARY	S1	087056	REED RELAY FORM 1C, 5V 125OHM	K44 K45 K46 K47	1441
049186	MAIN		089089	FUSE 2A SLO-BLO 5X20	F3	1441
061262	MON CER 0.001MF 100V NPO	C111 C112 C1 C77 C78	089092	FUSE 0.5A SLO-BLO 5X20 IEC	F4	1441
061273	220PF 5% 100V NPO		117436	PJ261G PHON JACK, GOLD	J7	1441
061275	MONO CAP:100PF,5%, 100V,NPO	C8 C10 C22 C23 C66 C67 C68 C69 C84 C87 C88 C89 C91 C97 C187 C188 C189 C190 C191 C192	117455	PHONO JACK 8P, GOLD PLATED	J3 J4 J5 J6	1441
061277	MONO CAP 0.1MF 20% 50V	C2 C6 C9 C11 C12 C13 C15 C16 C20 C24 C25 C26 C27 C28 C29 C30 C32 C33 C34 C37 C46 C47 C48 C49 C50 C53 C54 C55 C56 C58 C59 C60 C61 C62 C63 C65 C71 C72 C73 C75 C86 C90 C93 C94 C99 C100 C101 C102 C106 C107 C108 C110 C113 C114 C219 C220 C221 C222	117661	GOLD F CONNECTOR RIGHT ANGLE	J17	1441
061280	CAP MC 47PF 100V +/-5% NPO	C45 C98	117708	FASTON BLADE W/FEET	J14 J15 J18 J19 J20 J25 J26 J27 J29 J30 J31 J32 J33 J34 J35 J36 J37 J38 J40 J42 J43 J44 J45	144
061282	22PF 10% 100V CAPACITOR	C4 C7 C17 C21 C31 C35 C51 C52 C57 C64 C70 C74 C76 C81 C85 C104 C105 C109 C193 C194 C223 C224	132182	TRANSISTOR PNP DARLINGTON	Q6 Q24	144
061284	CAP MONO 330PF CAP	C36 C38 C39 C40 C41 C42 C43 C44	132222	N. CHANNEL FET	Q7 Q8 Q9 Q10 Q11 Q12 Q20 Q22	144
064333	POLY CAP.:47UF 5% 50V MKT1817	C230	132223	TRANSISTOR NPN MPS4124 2K/REEL	Q3 Q23	144
064338	.1MF 100V MPE	C181 C182	132224	TRANSISTOR PNP SI MPS4126 2K/R	Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q21	144
064364	POLYPROPY CAP.047MF 250V	C205 C206	133044	VOLTAGE REGULATOR 18 VOLT	IC40	144
064413	CAP POLYPROPYLENE .0348UF 1%	C207 C209	133045	IC REGULATOR 18 VOLT	IC41	144
064414	CAP POLYPROPYLENE .01UF 1%	C208 C210	133066	NE5534N OP AMP R/B	IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC16 IC17 IC18 IC19 IC20 IC21 IC22 IC27 IC39 IC42 IC43 IC44	144
066215	CAP ELECT 47UF 16V	C173 C174 C175 C176 C177 C178 C179 C180	133067	NE5534AN OP AMP LOW NOISE	IC23 IC24	144
066330	CAP ELECT 220UF 16V SHORT CAN	C195 C196 C197 C198 C199	133108	IC +5V REGULATOR	IC31	144
066334	CAP ELECT 470UF 25V	C217 C218	133186	IC SHFT REG SER-PAR	IC32 IC33 IC34 IC35	144
066360	CAP ELECT 3300UF 35V	C211 C212 C229	133189	IC OPERATIONAL AMPLIFIER	IC3	144
066382	CAP ELECT 10UF 16V (4X5 CASE)	C120 C127 C128 C129 C132 C133 C134 C135 C137 C138 C139 C140 C141 C144 C148 C150 C153 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165 C167 C168 C170 C171 C172	133192	IC NAND SCHMIT 2-IN X 4	IC1 IC2	144
066445	ELECT CAP 10MF, 50V AMMO PACK	C115 C116 C117 C118 C119 C121 C122 C123 C124 C125 C126 C130 C131 C136 C142 C143 C145 C146 C147 C149 C151 C152 C166 C169 C183 C184 C185 C186 C200 C201 C202 C203 C204 C213 C214	133250	IC REGULATOR 5V	IC28	144
			133253	-5V REGULATOR	IC29	144
			133258	OCTAL DARLINGTON TRANS ARRAY	IC36 IC37 IC38	144
			133306	NEG 24V REGULATOR	IC30	144
			133331	STEREO DIGITAL VOLUME CONTROL	IC4 IC5	144
			144015	METAL FILM RES: 33K 1% 1/4W	R187 R188 R247 R249 R263 R268	144
			144053	RES MF 10K 1% 1/4W	R16 R21 R24 R32 R36 R38 R62 R91 R93 R94 R177 R180	144

PART NO.	DESCRIPTION	REFERENCE NO.	PART NO.	DESCRIPTION	REFERENCE NO.	PART
144090	METAL FILM RES 1K 1% 1/4W	R183 R186 R195 R206 R245 R262 R30 R121 R151 R156 R163 R178 R179 R192 R193 R194 R196 R198 R199 R200 R226 R228 R232	144379	RES METAL FILM 4.75M 1/4W 1%	R143 R144 R145 R147 R148 R165 R166 R167 R190 R191 R208 R236 R240 R241 R242 R252 R253 R254 R255 R257 R270 R272 R273 R282 R283	13319 13324 13326
144093	METAL FILM RES 1.65K 1% 1/4W	R276 R281	144395	METAL FILM RES 1.91K .5% 1/4W	R128 R56 R80 R103 R108	13333
144101	METAL FILM RES:11K 1% 1/4W	R22 R37 R77 R79 R84 R85 R86 R97 R98 R136 R63 R172 R224 R244	144397	METAL FILM RES 2.67K .5% (SEI)	R49 R50 R69 R81	13339
144108	RES MF 47.5K 1% 1/4W	R18 R42 R130 R149 R150 R164 R170 R171 R173 R258	144398	METAL FILM RES 3.79K .5% 1/4W	R47 R51 R70 R82	13704
144113	RES MF 100K 1% 1/4W	R54 R57 R58 R59 R65 R100 R102 R107	144399	METAL FILM RES 5.36K .5% 1/4W	R46 R52 R71 R101 R43 R44 R72 R251 R53 R64 R87 R92 S1	14405 14408 1440
144117	METAL FILM RES 200K 1% 1/4W	R10 R13 R19 R27 R29 R34 R39 R66 R95 R99 R105 R138 R168 R207 R266	144400	RES MF 3.36K .5% 1/4W		14408
144118	METAL FILM RES: 267K 1% 1/4W	R267	144401	RES MF 6.49K .5% 1/4W		14408
144136	METAL FILM RES:73.2K 1% 1/4W	R154	148059	SLIDE SWITCH		1440
144141	METAL FILM RES 27.4K 1% 1/4W	R157	049189	BALANCED		1440
144148	METAL FILM RES:31.6K 1% 1/4W	R114 R211	070047	SILICON DIODE 1N4148 T&R	D1 D2	14410
144153	METAL FILM RES 8.25K 1% 1/4W	R23 R271	087050	REED RELAY:FORM 1A,5V, 500 OHMS	K1 K2 K3 K4 K5 K6 K7 K8	14411
144157	METAL FILM RES:10 OHMS 1% 1/4W	R113 R159 R174 R182 R185 R201 R202 R203 R204 R209 R210 R216 R217 R218 R220 R222 R223 R227 R259 R274 R275	117668	XLR RECEPTACLE FEMALE	J9 J10	14415
144172	RES MF 221 OHMS 1% 1/4W	R235 R239	117669	XLR RECEPTACLE MALE	J3 J4 J5 J6 J7 J8	14415
144174	METAL FILM RES. 20.0 OHM 1/4W	R131 R162 R169 R205	144172	RES MF 221 OHMS 1% 1/4W	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12	14415 1442
144175	METAL FILM RES 49.9 OHM 1/4W 1%	R26 R231 R256	170930	CABLE FLEXIBLE 8-PIN 5-IN	J2-	1442
144187	METAL FILM RES 22.1K 1% 1/4W	R152 R175 R225 R229	171241	FLEXSTRIP 5 PIN 5.75	J1-	1442
144196	METAL FILM RES 100 OHM 1% 1/4W	R45 R48 R68 R76 R78 R83 R104 R106 R55 R60 R61 R67 R73 R74 R75 R109 R153 R11 R110 R115 R133 R146 R277 R278 R279 R280 R117 R125	049188	DISPLAY		1442
144220	95.3 OHMS 1% 1/4W MF	R211 R112 R116 R123 R124	058109	LED, SQUARE TYPE(RED)	DS2 DS11 DS13 DS14 DS15 DS16 DS17 DS18 DS19 DS20 DS21 DS22 DS23 DS24 DS25 DS26 DS27 DS28DS29 DS30	1443 1462 1462 1500
144262	RES NETWORK, 2X220K, ISO	R45 R48 R68 R76 R78 R83 R104 R106 R55 R60 R61 R67 R73 R74 R75 R109 R153 R11 R110 R115 R133 R146 R277 R278 R279 R280 R117 R125	058143	DISPLAY VACUUM FLUORESCENT	DS12	1712
144264	METAL FILM RES 10M 1% 1/4W	R235 R239	058153	INCANDESCENT LAMP 14V 100MA	DS32 DS33 DS34 DS35 DS36 DS37 DS38 DS39	1712 1800
144269	METAL FILM RES 1M 1/4W	R131 R162 R169 R205	061277	MONO CAP 0.1MF 20% 50V	C1 C3 C4 C5 C6 C7 C8 C17 C18	0491 0612
144297	MF 6.81K 1% 1/4W	R26 R231 R256	061287	MONO CAP .0022UF 10% 50V RAD1	C16	0612
144298	MF 2.21K 1% 1/4W	R152 R175 R225 R229	066215	CAP ELECT 47UF 16V	C9 C10 C11 C12 C13	0612
144303	MF 4.32K 1% 1/4W	R1 R2 R3 R4 R5 R6 R7 R8 R111 R112 R116 R123 R124	066330	CAP ELECT 220UF 16V SHORT CAN	C14	0612
144364	RES MF 475K 1% 1/4W	R45 R48 R68 R76 R78 R83 R104 R106 R55 R60 R61 R67 R73 R74 R75 R109 R153 R11 R110 R115 R133 R146 R277 R278 R279 R280 R117 R125	066445	ELECT CAP 10MF, 50V AMMO PACK	C2 C15 C19	0642 0643
144366	RES NETWORK ISOLATED 2X22K	R212 R213	070047	SILICON DIODE 1N4148 T&R	D1 D2	0643
144376	RES MF 7.5K OHM 1/4W 0.5%	R219 R230 R118 R221	070061	ZENER DIODE:15V,1W	D3	0643
144377	RES MF 89.8K 1/4W 0.5%	R15 R20 R31 R35 R88 R89 R90 R96 R129 R139 R142	070093	LED LAMP RED	DS1 DS3 DS4 DS5 DS6 DS7 DS8 DS10 DS31	0643
144378	RES MF 2.21 OHM 1/4W 1%		070158	DIODE ZENER 3.6V	D4	0643
			089089	FUSE 2A SLO-BLO 5X20	F2	0643
			089108	FUSE T 0.4A 250V	F1	0643
			117462	PHON JACK 1/8 STEREO VER	J8	0643
			117708	FASTON BLADE W/FEET	J10 J11 J12 J13 J14 J24 J28	0643
			121031	IR SENSOR 38KHZ	MT1	0643
			131021	TRIAC 8A 200V	Q4	0662
			132224	TRANSISTOR PNP SI		0662

PART NO.	DESCRIPTION	REFERENCE NO.
R148	MPS4126 2K/R	Q1 Q2 Q3
R191	IC NAND SCHMIT 2-IN X 4	IC4
R242	IC CMOS EPROM	IC3
R257	DISPLAY DRIVER 4 DIGIT	
R283	LED	IC6
133329	KEYPAD ENCODER	
	PRGRMMED 133292	IC1
133330	IC V. F. DISPLAY	
	CONTROLLER	IC5
133390	PROGRAMMED VERSION	
	OF 133292	IC2
137042	FLAMEPROOF RES 47 OHM	
	5% 1/4W	R26
144053	RES MF 10K 1% 1/4W	R3 R6 R7 R8 R9 R10 R11 R13 R15 R16 R27 R30
144086	METAL FILM RES 475 OHM	
	1% 1/4W	R19
144090	METAL FILM RES 1K 1%	
	1/4W	R31 R32
144098	METAL FILM RES 4.99K	
	1% 1/4W	R1 R33
144108	RES MF 47.5K 1% 1/4W	R2 R23 R24 R25
144119	METAL FILM RES: 332K	
	1% 1/4W	R5
144157	METAL FILM RES:10 OHMS	
	1% 1/4W	R14 R28 R29
144196	METAL FILM RES 100 OHM	
	1% 1/4W	R4 R18 R21
144250	RES NETWORK 8 X 47K	
	BUS	R22
144254	RESISTOR NETWORK	
	5X47K BUSSED	R17
144273	RESISTOR MF 182 OHM	
	1/4W 1%	R34
144351	1.74K 1% 1/4W MF RES	R12
146246	OPTICAL ROTARY	
	ENCODER	S4
146249	SWITCH PULSE ROTARY S	1 S2 S3
150058	TACT SWITCH	S1 S2 S3 S4 S5 S6 S7 S8 S9 S10
171237	FLEXSTRIP 12 PIN 7.25	J6-
171242	FLEXSTRIP 3 PIN 7.25	J9-
180039	CERAM RESON 6.0MHZ	
	W/CAP	Y1 Y2
049187	TONE	
061253	DISC CAP:22PF,10%,	
	50V,NPO	C61 C62
061268	MONO CAP:1UF,50V,	
	Z5U	C43 C44 C45 C46
061269	CAP MONO 100PF	C59 C60
064296	470PF 5% 160V	C39 C40 C49 C50
064304	CAP MPOLY .0022UF 5%	
	63/400VDC	C35 C36
064308	CAP M POLY .0047UF 5%	
	63VDC	C27 C28 C31 C32
064316	CAP M POLY .022UF 5%	
	63VDC	C19 C20 C23 C24
064320	CAP M POLY .047UF 5%	
	63VDC	C15 C16
064325	CAP M POLY .1UF 5%	
	63VDC	C11 C12 C33 C34 C37 C38
064329	CAP M POLY .22UF 5%	
	63VDC	C29 C30 C51 C52 C53 C54
064333	POLY CAP:47UF 5% 50V	
	MKT1817	C25 C26
066215	CAP ELECT 47UF 16V	C41 C42 C55 C56

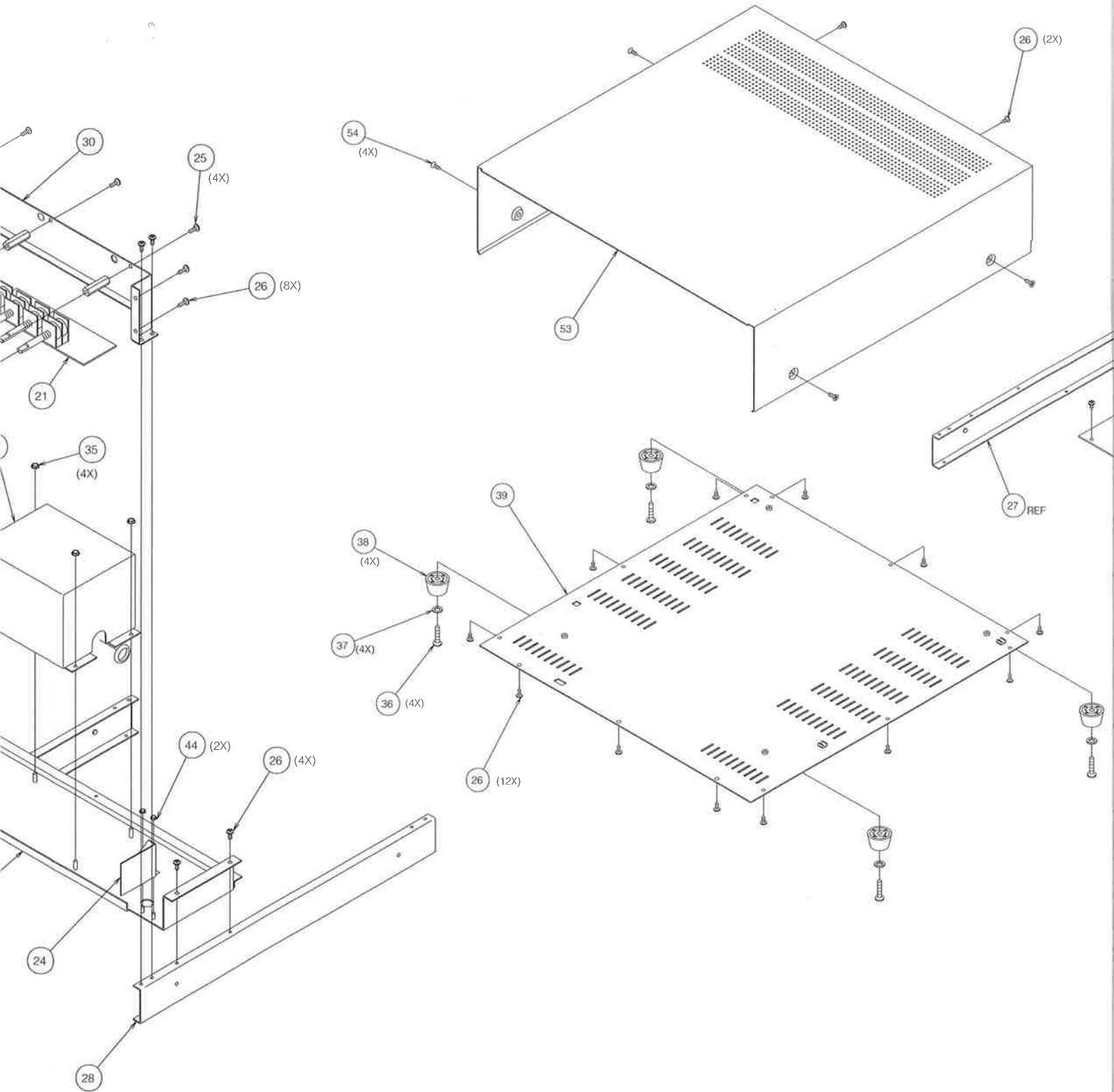
PART NO.	DESCRIPTION	REFERENCE NO.
066237	CAP ELECT 2.2UF 50V	
	ALUM	C17 C18
066269	CAP ELECT 1UF 10% 50V	C21 C22
066289	CAP ELECT 4.7UF 10% 25V	C9 C10 C13 C14
066445	ELECT CAP 10MF, 50V	
	AMMO PACK	C47 C48
133028	IC OPERATIONAL	
	AMPLIFIER	IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8
133066	NE5534N OP AMP R/B	
	133067	IC9 IC10
134457	POT, EQUAL	R1 R2 R3 R4 R5 R6 R7 R8
144095	RES MF 3.32K 1% 1/4W	R46 R50 R58 R60
144107	METAL FILM RES 40.2K 1%	
	1/4W	R44 R57
144108	METAL FILM RES 47.5K 2%	
	1/4W	R39 R40
144113	RES MF 100K 1% 1/4W	R31 R32 R43 R53
144115	METAL FILM RES 137K	
	1/4W	R15 R16
144116	METAL FILM RES 165K 1%	
	1/4W	R19 R20
144117	METAL FILM RES 200K 1%	
	1/4W	R11 R12
144156	METAL FILM RES: 75K 1%	
	1/4W	R23 R24
144157	METAL FILM RES:10 OHMS	
	1% 1/4W	R41 R42
144174	METAL FILM RES. 20.0	
	OHM 1/4W	R55 R56
144195	MF RES, 681 OHM 1%	
	1/4W	R9 R10 R13 R14 R17 R18 R21 R22 R25 R26 R29 R30 R33 R34 R37 R38
144405	METAL FILM RES 127K 1%	
	1/4W	R35 R36
144406	METAL FILM RES 187K 1%	
	1/4W	R27 R28
171238	FLEXSTRIP 7 PIN 9	J1-
171240	FLEXSTRIP 7 PIN 5	J2-
049200	DATA	
061277	MONO CAP 0.1MF 20%	
	50V	C4 C5
070047	SILICON DIODE 1N4148	
	T&R	D1
117549	HEADPHONE JACK DUAL	
	BLACK 1/8	J2 J3 J4 J5 J6 J7
133175	IC AND 2 INPUT X 4	IC1 IC2
133180	LB1720 8 LN DRIVER	
	ARRAY	IC3
133186	IC SHFT REG SER-PAR	IC4
144090	METAL FILM RES 1K 1%	
	1/4W	R1 R3 R7
144196	METAL FILM RES 100 OHM	
	1% 1/4W	R4 R8 R9 R10 R11 R12 R13 R14 R20 R21
144273	RESISTOR MF 182 OHM	
	1/4W 1%	R5 R6 R15 R16 R17 R18 R19 R22
144379	RES METAL FILM 4.75M	
	1/4W 1%	R2
171239	FLEXSTRIP 9 PIN 5	J1-

PARTS LIST

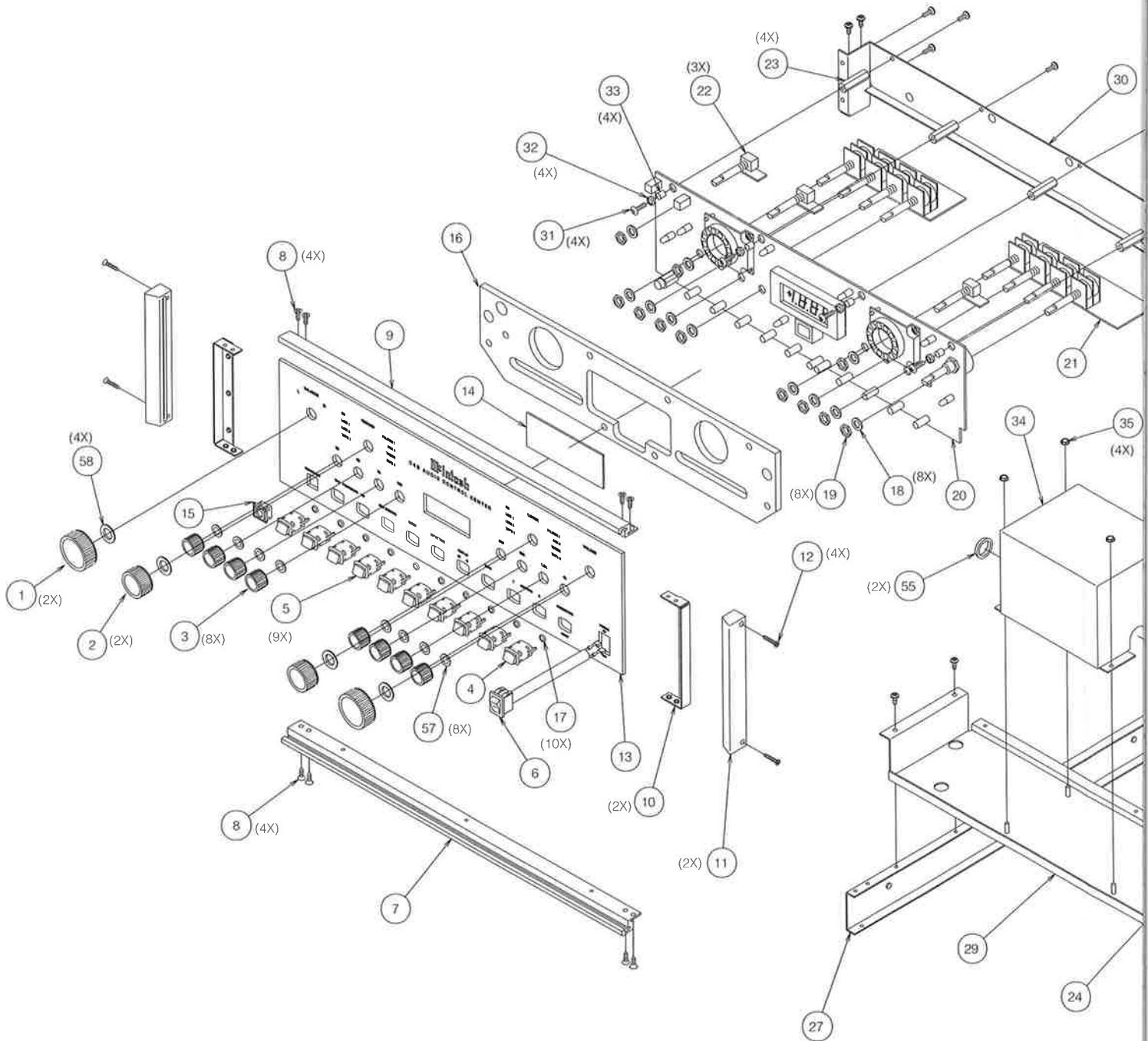


REF

NO.	PART	DESCRIPTION
1	090265	KNOB 34mm
2	090259	KNOB 25.5mm
3	090269	KNOB 16.5mm
4	017531	RED PUSHBUTTON
5	017517	BLACK PUSHBUTTON
6	171026	C/A POWER SWITCH
7	018605	BOTTOM EXTRUSION
8	101172	TS 6-32X1/4 FH
9	018585	TOP EXTRUSION
10	004946	EXTRUSION BRACKET
11	018611	5" END CAP
12	101042	TS 4-40X1/2 FILLISTER
13	016401	GLASS PANEL G14
14	017675	FILTER FRONT PANEL
15	017736	HEADPHONE BEZEL
16	017758	PLEXIGLASS
17	078033	O-RING
18	104013	LOCK WASHER 5/16X.435..002 INT STAR
19	110004	METRIC NUT M7X0.75X11mm
20	049188	DISPLAY PCB ASSY
21	049187	TS PCB ASSY
22	049106	SWITCH PCB ASSY
23	021063	STANDOFF 6-32X1-1/8 HEX METAL
24	004979	PCB SHIELD: TONE
25	100276	SEMS MS 6-32X1/4 PHIL PAN BLK
26	101054	TS 6-32X1/4 PHIL PAN BLK
27	004942	LEFT SIDE PANEL
28	004943	RIGHT SIDE PANEL
29	004945	CHASSIS TRAY
30	004978	SUBPANEL
31	100275	MS 6-32X1/2 PHIL TRUSS BLK
32	078031	GROMMET
33	021030	SPACER 6-1/4
34	049117	TRANSFORMER: POT
35	102045	KEP NUT 6-32
36	100159	MS 10-32X3/4
37	104083	WASHER #10
38	017218	PLASTIC FEET
39	004860	BOTTOM COVER
40	017775	PCB SHIELD MAIN
41	114072	PLASTIC RIVET
42	049186	MAIN PCB ASSY
43	117711	AC RECEPTACLE W/LINE FILTER
44	102001	KEP NUT 4-40
45	049189	BALANCED PCB ASSY
46	049200	DATA PCB ASSY
47	100250	MS SEMS 6-32X1/4
48	004944	REAR PANEL
49	084112	GROUND POST
50	101197	HI/LO 4-24X3/8
51	101109	TS 6-32X5/16 PAN PHIL BLK
52	102020	MN 6-32 W/SELF LOCK
53	004940	TOP COVER
54	101078	TS 8-32X5/16
55	078017	GROMMET
56	101114	SM 4X1/2
57	104073	FELT WASHER
58	104017	FELT WASHER



EXPLODED VIEW



REPACKING INSTRUCTIONS

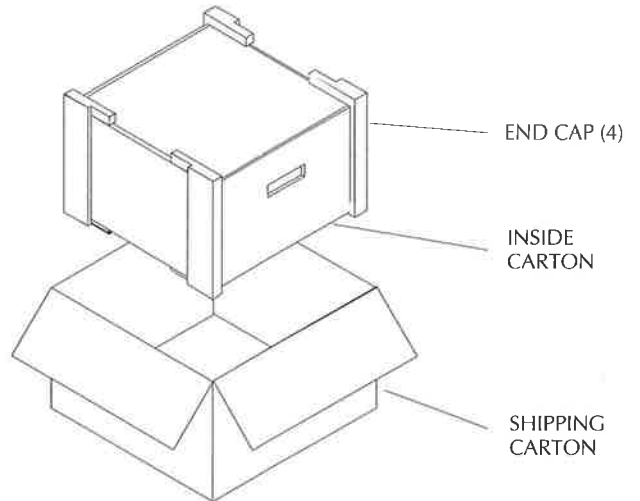
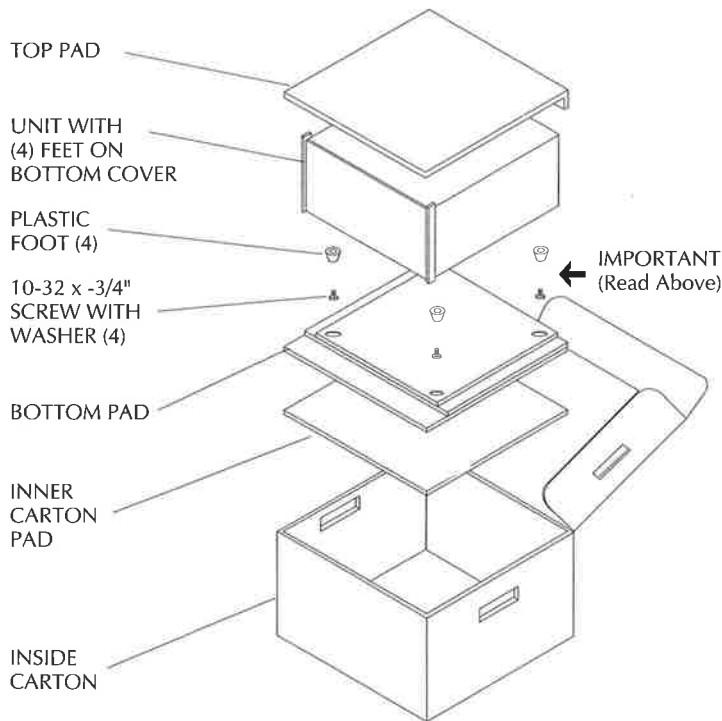
In the event it is necessary to repack the unit for shipment, the unit must be packed exactly as shown below.

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. 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	033838	Shipping carton only
4	033837	Foam end cap
1	033836	Inside carton only
1	033725	Top pad
1	034008	Bottom pad
1	034037	Inner carton pad
4	017218	Plastic foot
4	100159	#10-32 x 3/4" Machine screw
4	104083	#10 x 7/16" Flat washer
1	049259	Shipping carton complete with all the above parts.



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AUDIO CONTROL CENTER

SERVICE MANUAL

The continuous improvement of its products is the policy of McIntosh Laboratory Incorporated, who reserve the right to improve design without 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.

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