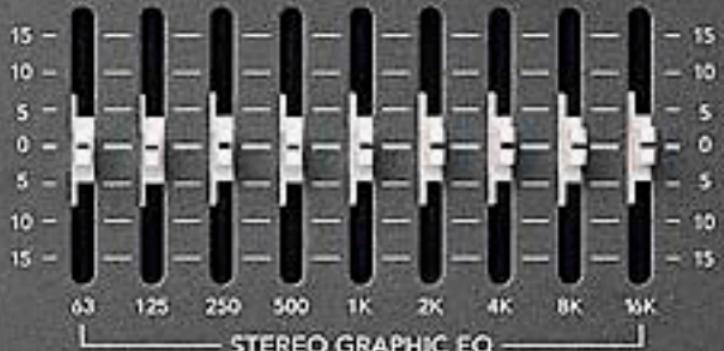


MACKIE.

**MASTER SEND**EFX
1
(EXT)

CFX20 MIXER

20 CHANNEL COMPACT INTEGRATED LIVE SOUND MIXER

**ENIAC™ CUSTOM 32-BIT PRECISION
DIGITAL STEREO EFFECTS PROCESSOR**

PHANTOM POWER



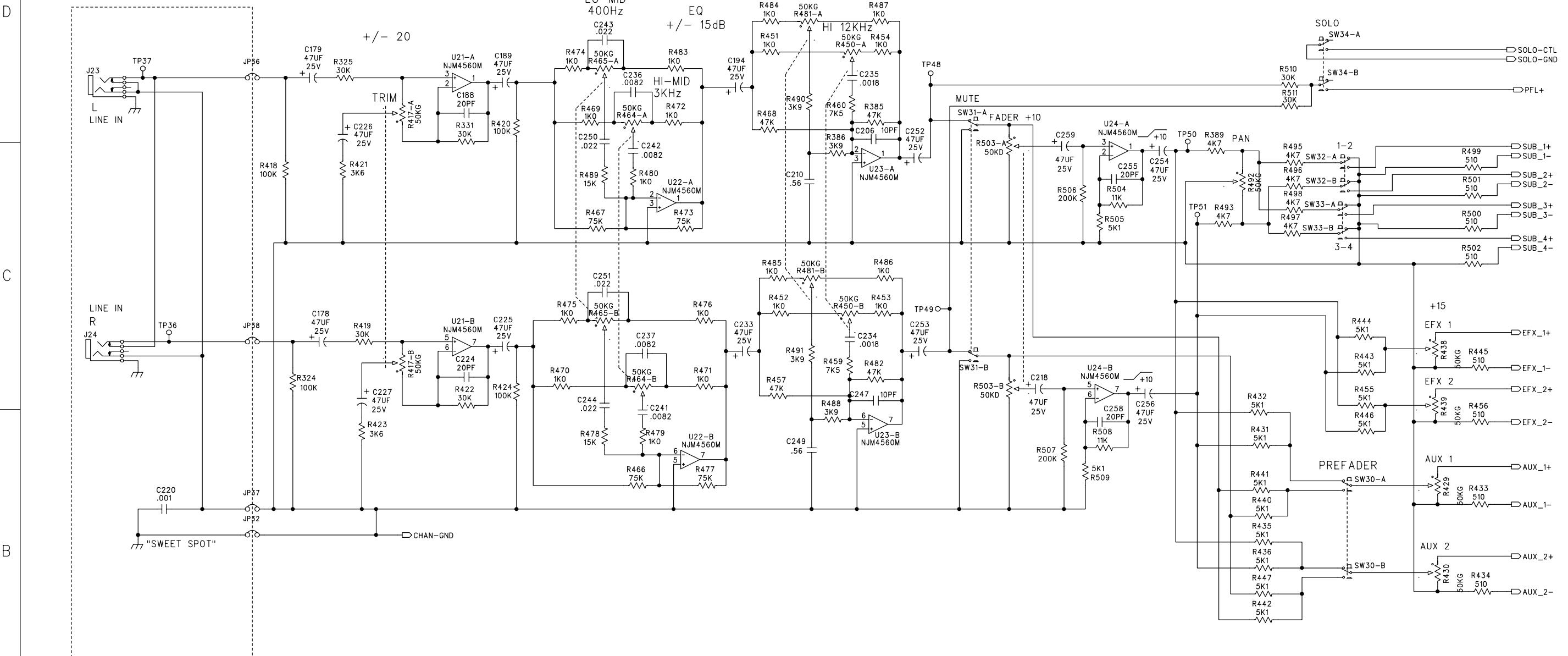
POWER STATUS

LEFT RIGHT

—	28	—	CLIP
—	10	—	—
—	7	—	—
—	4	—	—
—	2	—	—
—	0	—	—
—	2	—	—
—	4	—	—
—	10	—	—
—	20	—	—
—	30	—	—
0dB	0dB	—	—

RUIDE SOLO

SUB ASSIGN 1**SUB ASSIGN 2****SUB ASSIGN 3****SUB ASSIGN 4****STEREO MAIN MIX**



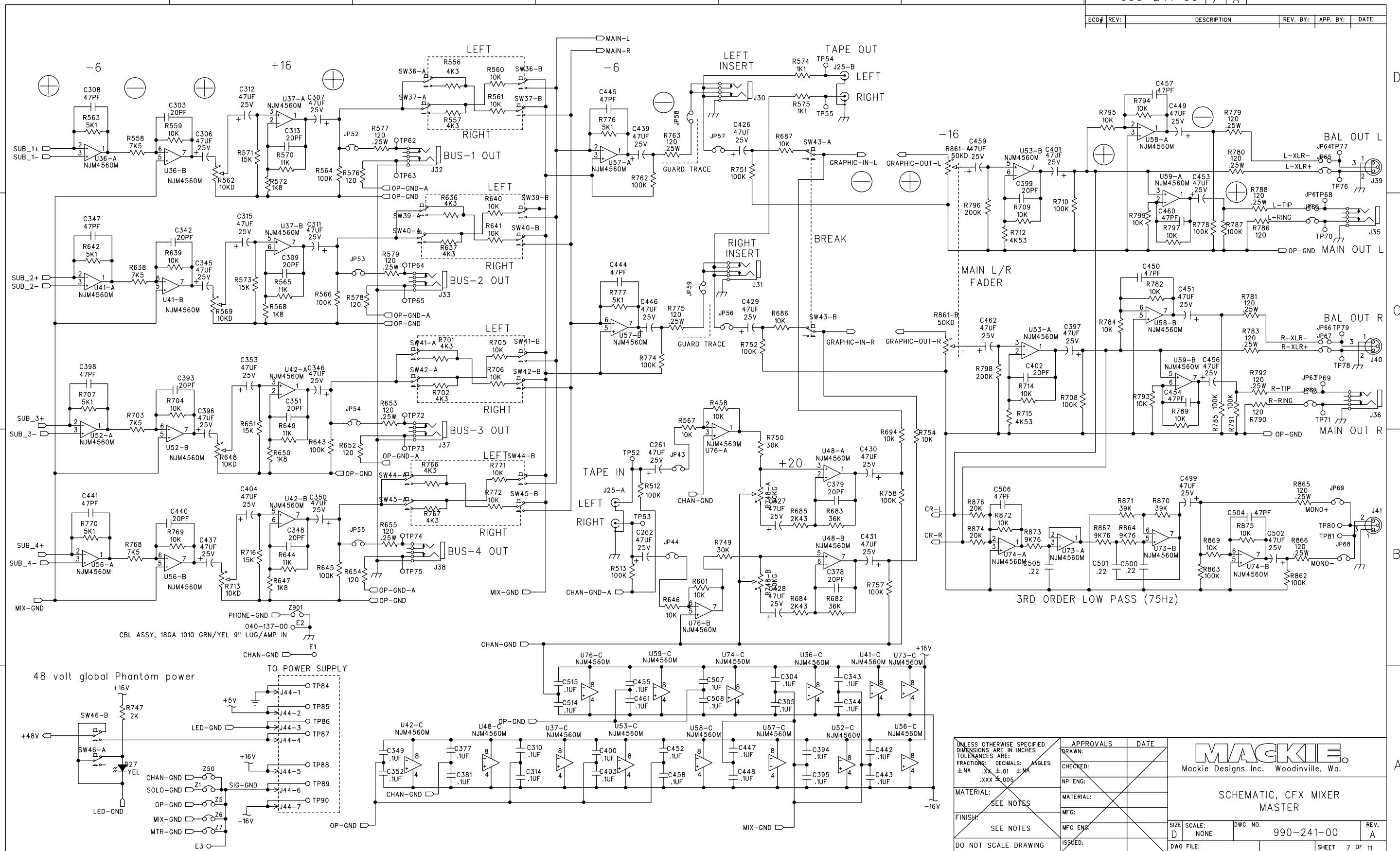
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS: $\pm \frac{1}{16}$, $\pm .01$, $\pm \frac{1}{32}$
DECIMALS: $\pm .005$, $\pm .001$
ANGLES: $\pm 5^\circ$, $\pm 1^\circ$

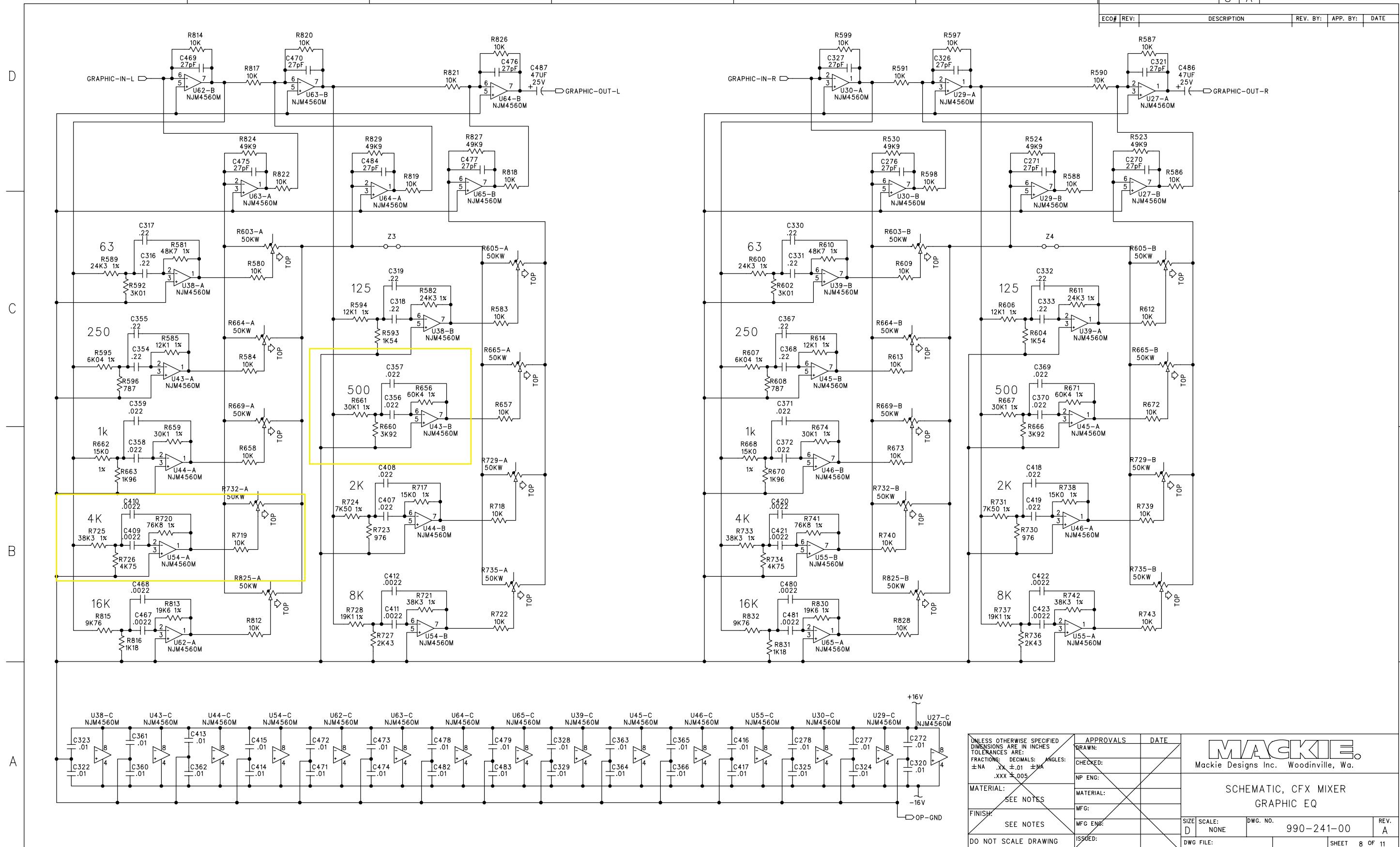
APPROVALS	DATE
DRAWN:	
CHECKED:	
NP ENG:	
MATERIAL:	
FINISH:	
SEE NOTES	
DO NOT SCALE DRAWING	ISSUED:

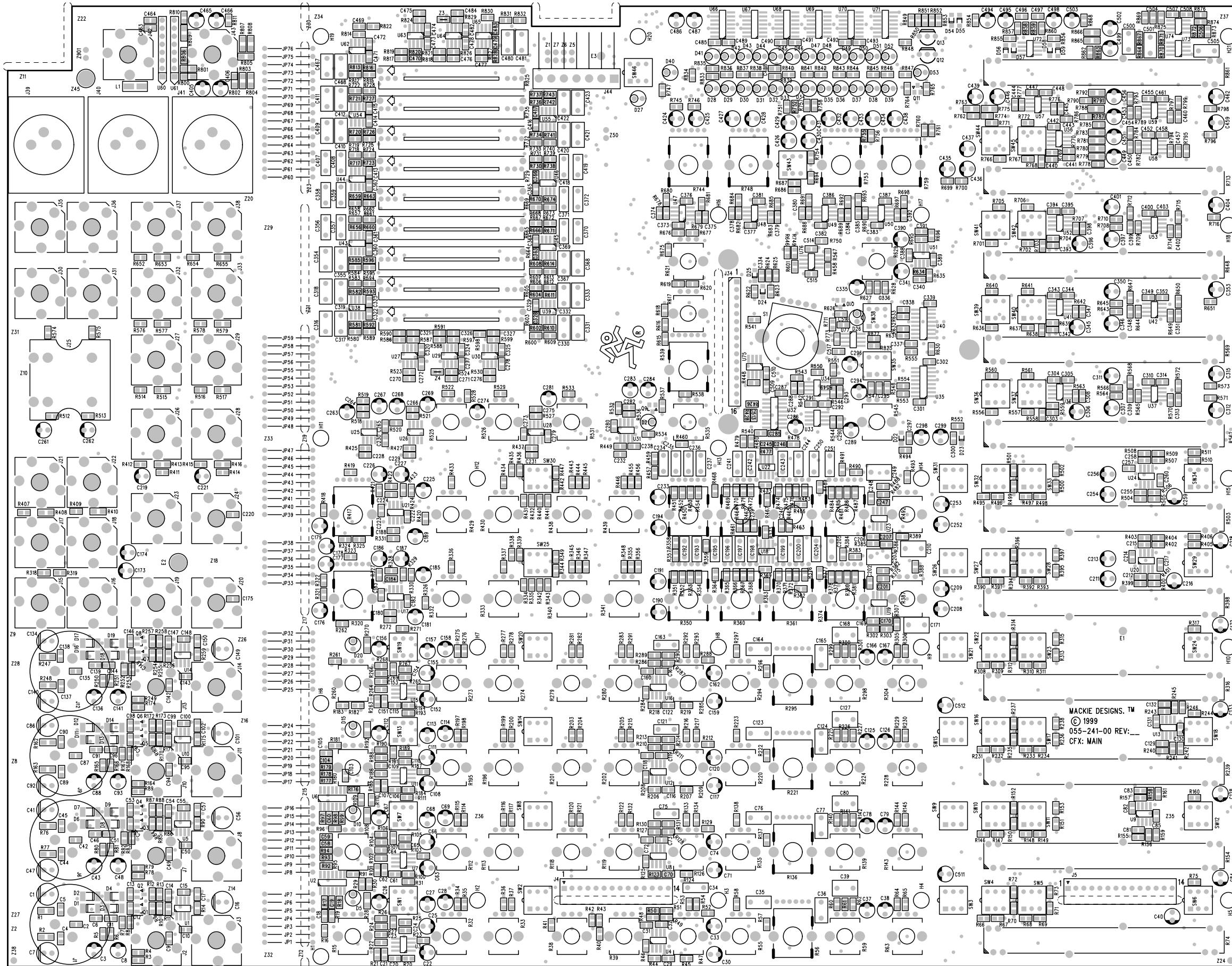
MACKIE
Mackie Designs Inc. Woodinville, Wa.

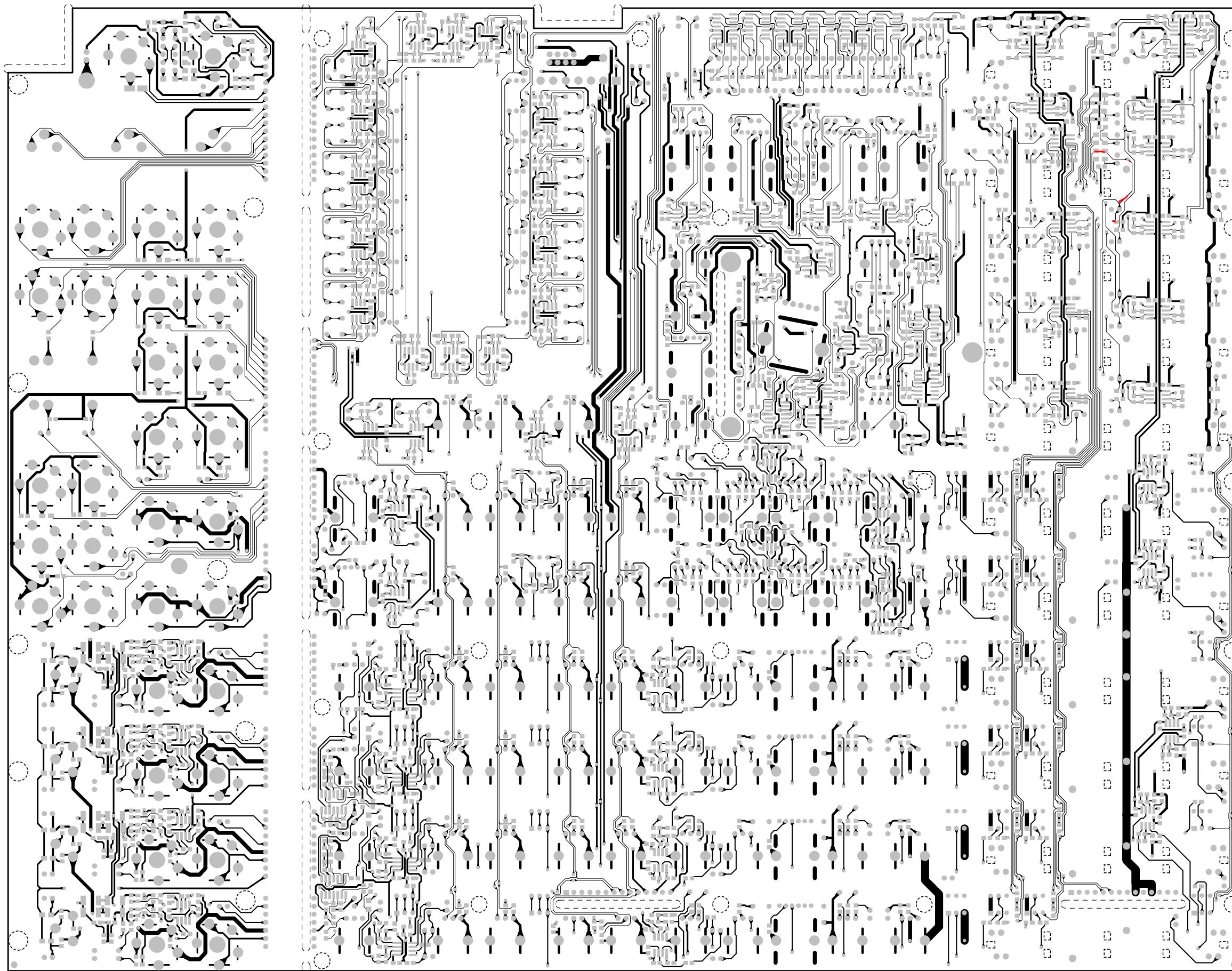
SCHEMATIC, CFX MIXER
STEREO CHANNEL 7/8

SIZE	SCALE:	D	DWG. NO.	990-241-00	REV.	A
DWG FILE:			SHEET	6 OF 11		



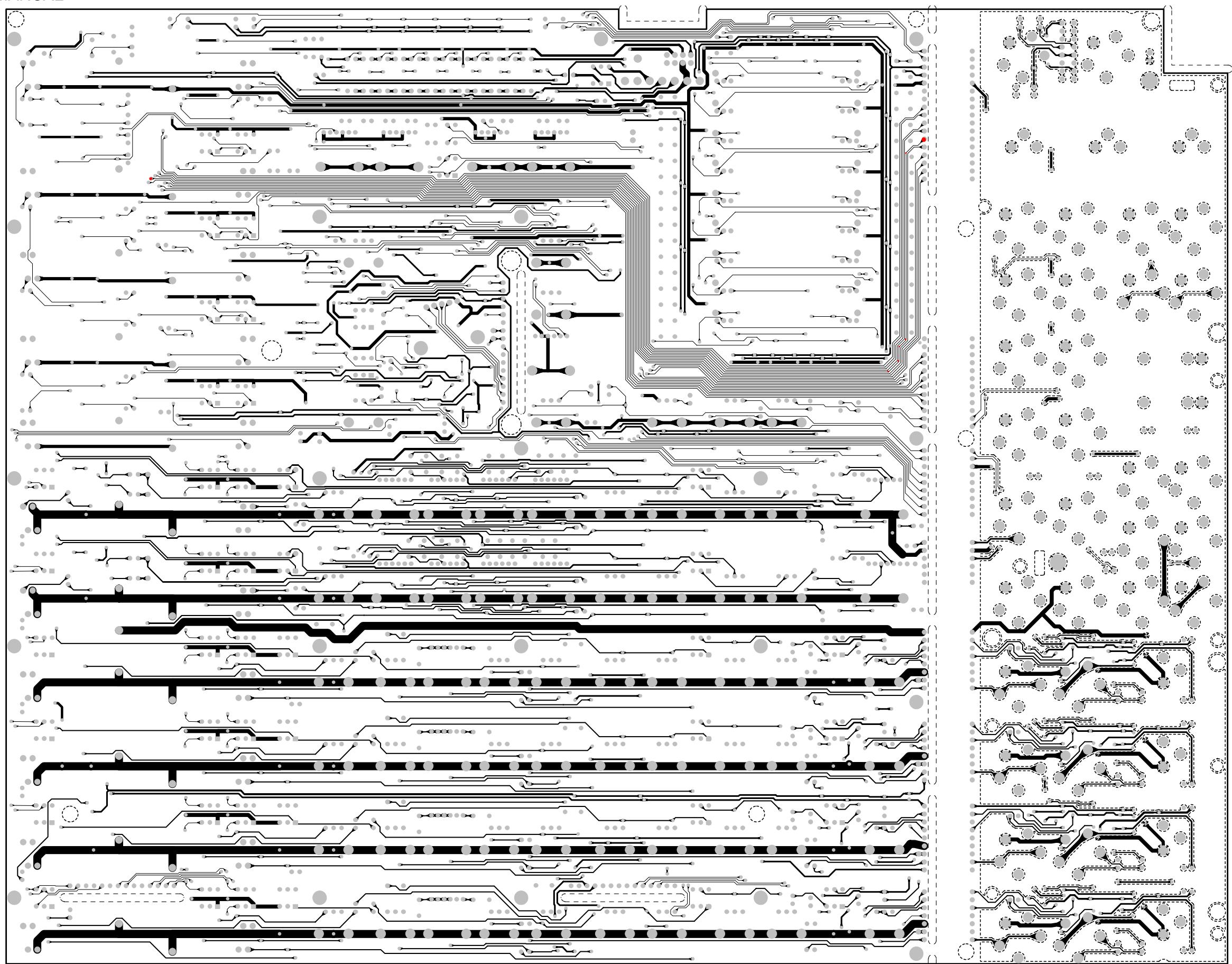




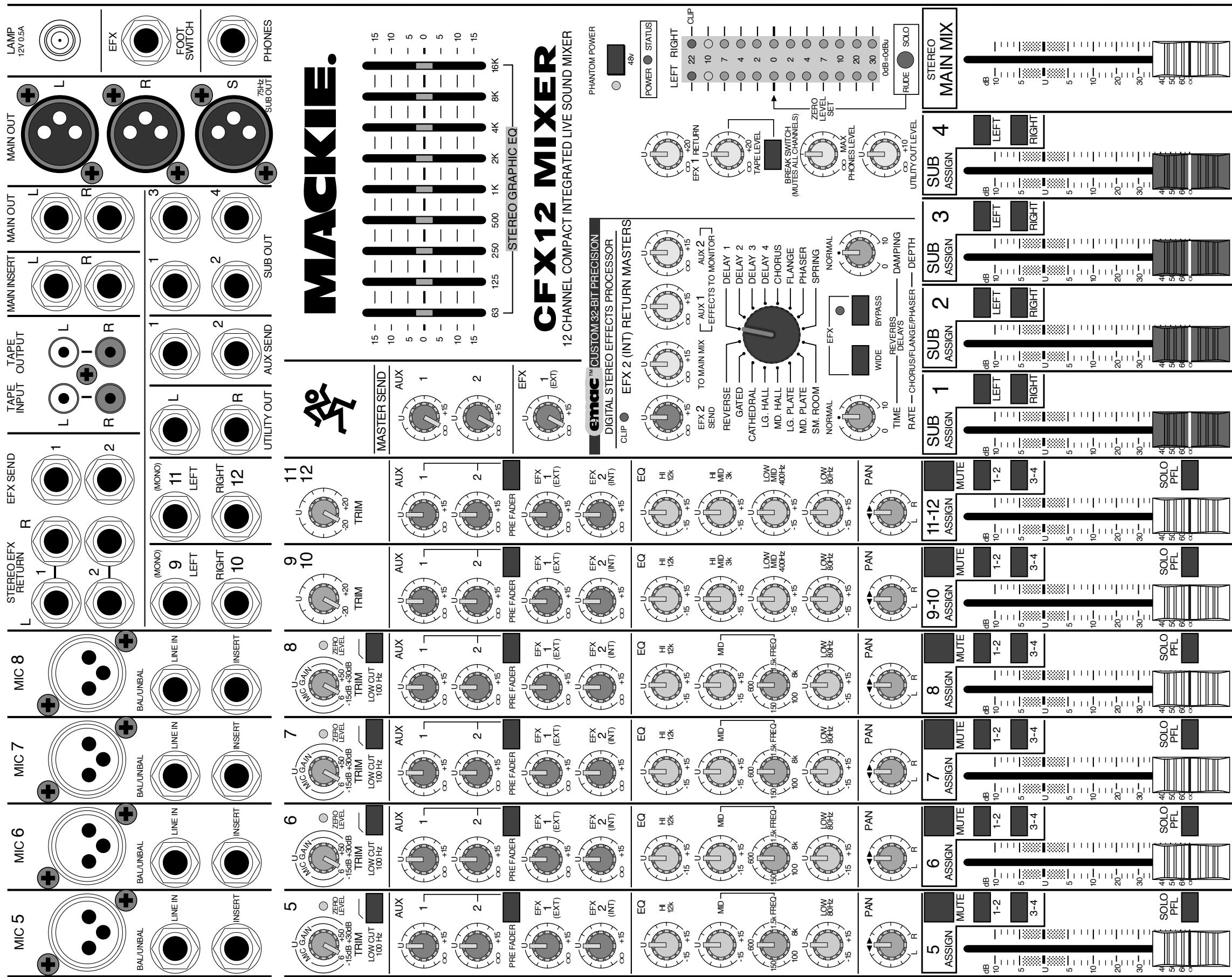


Top of Board
(if this has been printed double-sided, and has been lined up correctly, you can shine a light through this page and see the bottom of the board's traces and pads. Sometimes this works, sometimes not.)

Bottom of Board



I hope that this is useful. If it helps even one technician out in the big wide world, then it will have been worthwhile.



CFX•12 Parts List

PART#	REV	DESCRIPTION	PAGE
090-120-00	A3	CFX12	2
070-120-XX	A40	BOMSHELL CFX12	2
055-192-00-01	C11	EFFECTS PCB ASSEMBLY	4
055-241-00-03	C05	MASTER PCB ASSEMBLY	5
055-242-00-02	C05	SLAVE PCB ASSEMBLY	9
055-258-00-01	A10	POWER SUPPLY PCB ASSEMBLY	11
055-260-00-02	B00	AC INPUT PCB ASSEMBLY	12
080-144-00	D	BNC ASSEMBLY	12
080-142-00	B	TRANSFORMER ASSY -010 120V	12



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



090-120-00 REV A3 CFX12 FINAL ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
070-120-XX	A40	BOMSHELL CFX12	1	SEE BELOW
⚠ 080-142-00	B	TRANSFORMER ASSEMBLY -010 120V	1	SEE PAGE 12
⚠ 510-001-00	B	FUSE SB 1A 5X20MM 250V UL	1	FOR 120 VAC
640-001-00	D	LC IEC SJT 10A/125V 6FT	1	LINECORD
820-104-00	C00	OWNERS MANUAL	1	

070-120-XX REV A40 BOMSHELL CFX12

PART #	REV	DESCRIPTION	QTY	NOTES
040-358-00	B	RIBBON CABLE 18G 7P .156 16IN	1	
055-192-00-01	C11	EFFECTS ASSEMBLY	1	SEE PAGE 4
055-241-00-03	C05	MASTER PCB ASSEMBLY	1	SEE PAGE 5
055-242-00-02	C05	SLAVE PCB ASSEMBLY	1	SEE PAGE 9
055-258-00-01	A10	POWER SUPPLY ASSEMBLY	1	SEE PAGE 11
055-260-00-02	B00	AC INPUT ASSEMBLY	1	SEE PAGE 12
080-144-00	D	BNC ASSEMBLY	1	SEE PAGE 12
400-365-00	A	QDISK TAB .250 M #6 MNT	1	
⚠ 410-005-00	A	INSL SILPAD TO-220	4	
550-442-00	B1	SILKSCREENED CHASSIS TOP CFX 12	1	
550-445-00	A1	CHASSIS BOTTOM CFX 12	1	
550-462-00	A1	CLAMP TO-220 X 4	1	
550-491-00	A1	FAB PLT HTSK CFX PWR SPLY	1	
550-551-10	A1	PAINTED LEFT SIDE CFX	1	
550-551-20	A1	PAINTED RIGHT SIDE CFX	1	
550-552-00	B1	SILKSCREENED BACK CFX 12	1	
620-045-00	A	CBL FLT 14C W/PINS 3.5IN	2	
700-010-00	A	TF 6-32X1/4 PHP BLKZC	26	
700-011-00	A	MCH 4-40X1/4 BTNSKT BLKOX	34	
700-028-01	B	SEMS 6-32X5/16 PHP BLKZC	6	
700-028-03	B	SEMS 6-32X1/2 PHP BLKZC	4	
701-016-00	A	5-20X5/16 PHPII TYP B BLK	23	
705-001-00	A	KEPNUT 6-32	4	
0000223	A	NUT, HEX, THREADED, 1/4"	0	
705-008-00	A	NUT LOCK 8-32	2	
0000222	A	WASHER	0	
750-001-00	A	FEET BUMPOUN ROUND BLK .63X.31	4	
760-037-01	C00	KNOB SLIDE 10X25MM MLDLIN	11	
760-037-03	C00	KNOB SLIDE 11X24 BLUE	4	

continued



Bomshell CFX12 continued

PART #	REV	DESCRIPTION	QTY	NOTES
760-048-01	B	KNOB 9MM LT GRY	17	
760-048-02	B	KNOB 9MM MAGENTA	44	
760-048-03	B	KNOB 9MM BLU/GRY	34	
760-048-04	B	KNOB 9MM DARK GRAY	18	
760-091-00	A	KNOB MASTER VOLUME	1	
780-050-00	A	LIPSEAL MASTER CFX	1	
780-051-00	A	LIPSEAL SLAVE 4 CFX	1	
790-002-00	A	BAG POLY 12 X 18 2MIL	1	
790-027-00	A	BAG POLY 20X7X36 4MIL GUS	1	
800-130-00	B	BOX CMPT CFX 12	1	
810-083-00	A	FOAM FRONT CMPT CFX	1	
810-084-00	A	FOAM REAR CMPT CFX	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



055-192-00-01 REV C11 EFFECTS ASSEMBLY (as used in PPM powered mixers)

PART #	REV	DESCRIPTION	QTY	NOTES
220-011-00	A1	LYT 100UF 20% 25V RAD	1	
315-017-00	A	XTAL 24.576MHZ LOW PROF	1	
400-280-00	A	HDR SKT 16P .1X1 STR	1	
050-192-00-01	C11	EFFECTS PCB ASSEMBLY	1	SEE BELOW

050-192-00-01 REV C11 EFFECTS PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
140-009-00	A	RES TF SM .1W 5% 2.2 OHM	1	
140-049-00	A	RES TF SM .1W 5% 100 OHM	2	
140-053-00	A	RES TF SM .1W 5% 150 OHM	2	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	6	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	10	
140-097-00	A	RES TF SM .1W 5% 10K OHM	2	
140-114-00	A	RES TF SM .1W 5% 47K OHM	4	
140-123-00	A	RES TF SM .1W 5% 100K OHM	3	
140-139-00	A	RES TF SM .1W 5% 470K OHM	1	
212-001-00	B1	CER .01UF 10% 50V X7R SM	2	
212-003-00	B1	CER 100PF 5% 50V NPO SM	2	
212-005-00	B1	CER 20PF 5% 50V NPO SM	2	
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	
212-016-00	A1	CER 1000PF 5% 50V NPO SM	13	
212-023-00	B1	CER .001UF 10% 50V NPO SM	3	
212-024-00	A1	CER 1UF 25V Y5V 1206	4	
212-027-00	A1	CER .1UF 16V 10% X7R 0603	15	
212-029-00	A1	CER 270PF 5% 50V NPO SM	2	
212-032-00	A1	CER 2200PF 10% 50V X7R	5	
223-003-00	A1	LYT 22UF 20% 6.3V SM	1	
223-004-00	B1	LYT 10UF 20% 16V SM	5	
300-003-00	A	DIO SW DL4148 100V SM	4	
325-027-03	A	CMOS 74HC74A DUAL D FLPFL	1	
325-071-03	A	CMOS 74HCU04 HEX INV SM	1	
329-042-03	B	CODEC SOUNDPORT AD1819	1	
329-047-03	B	SRAM 32KX8 20NS SOJ SM	2	
450-192-00	C	PCB LC EFFECTS	1	
601-009-00	A	FERRITE SMT SIG 1K OHM	3	
601-010-00	A	FERRITE SMT POWER	1	
080-088-00	A	DSP PROGRAMMED ADSP-2163	1	



055-241-00-03 REV C05 CFX MASTER PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
040-357-00	A	DIS 22GA 1007 GRN/Y 8 QD	1	
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	36	
130-022-02	A	POT RTY 10KB 9MM MONO TN	2	
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	
130-031-00	A	POT SLIDE 10KD 60MM MONO	8	
130-032-00	A	POT SLIDE 50KD 60MM DUAL	3	
130-061-02	B	POT 50KG 12MM DUAL WO SLV	15	
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	
130-075-00	A	POT SLD 50KG 30MM DL PANS	9	
140-017-00	A	RES TF SM .1W 5% 4.7 OHM	4	
140-032-00	A	RES TF SM .1W 5% 20 OHM	1	
140-037-00	A	RES TF SM .1W 5% 33 OHM	1	
140-049-00	A	RES TF SM .1W 5% 100 OHM	1	
140-051-00	A	RES TF SM .1W 5% 120 OHM	13	
140-057-00	A	RES TF SM .1W 5% 220 OHM	2	
140-061-00	A	RES TF SM .1W 5% 330 OHM	2	
140-064-00	A	RES TF SM .1W 5% 430 OHM	1	
140-065-00	A	RES TF SM .1W 5% 470 OHM	3	
140-066-00	A	RES TF SM .1W 5% 510 OHM	53	
140-068-00	A	RES TF SM .1W 5% 620 OHM	1	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	64	
140-074-00	A	RES TF SM .1W 5% 1K1 OHM	2	
140-076-00	A	RES TF SM .1W 5% 1K3 OHM	1	
140-077-00	A	RES TF SM .1W 5% 1K5 OHM	2	
140-079-00	A	RES TF SM .1W 5% 1K8 OHM	4	
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	8	
140-083-00	A	RES TF SM .1W 5% 2K7 OHM	2	
140-085-00	A	RES TF SM .1W 5% 3K3 OHM	2	
140-086-00	A	RES TF SM .1W 5% 3K6 OHM	4	
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	17	
140-088-00	A	RES TF SM .1W 5% 4.3K OHM	8	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	40	
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	72	
140-091-00	A	RES TF SM .1W 5% 5K6 OHM	1	
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	16	
140-097-00	A	RES TF SM .1W 5% 10K OHM	108	
140-098-00	A	RES TF SM .1W 5% 11K OHM	12	
140-101-00	A	RES TF SM .1W 5% 15K OHM	12	
140-104-00	A	RES TF SM .1W 5% 20K OHM	12	
140-105-00	A	RES TF SM .1W 5% 22K OHM	1	
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	
140-109-00	A	RES TF SM .1W 5% 30K OHM	32	
140-111-00	A	RES TF SM .1W 5% 36K OHM	8	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
140-112-00	A	RES TF SM .1W 5% 39K OHM	2	
140-114-00	A	RES TF SM .1W 5% 47K OHM	16	
140-119-00	A	RES TF SM .1W 5% 75K OHM	8	
140-123-00	A	RES TF SM .1W 5% 100K OHM	69	
140-130-00	A	RES TF SM .1W 5% 200K OHM	6	
141-051-00	B	RES TF SM .25W 5% 120 OHM	34	
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	
145-279-00	B	RES MF SM .1W 1% 787 OHM	2	
145-288-00	B	RES MF SM .1W 1% 976 OHM	2	
145-296-00	B	RES MF SM .1W 1% 1K18 OHM	2	
145-307-00	B	RES MF SM .1W 1% 1K54 OHM	2	
145-317-00	B	RES MF SM .1W 1% 1K96 OHM	2	
145-330-00	B	RES MF SM .1W 1% 2K43 OHM	6	
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	22	
145-341-00	B	RES MF SM .1W 1% 3K16 OHM	1	
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	
145-350-00	B	RES MF SM .1W 1% 3K92 OHM	2	
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	
145-356-00	B	RES MF SM .1W 1% 4K53 OHM	2	
145-358-00	B	RES MF SM .1W 1% 4K75 OHM	2	
145-368-00	B	RES MF SM .1W 1% 6K04 OHM	2	
145-373-00	B	RES MF SM .1W 1% 6K81 OHM	1	
145-377-00	B	RES MF SM .1W 1% 7K50 OHM	2	
145-388-00	B	RES MF SM .1W 1% 9K76 OHM	5	
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	
145-397-00	B	RES MF SM .1W 1% 12K1 OHM	4	
145-406-00	B	RES MF SM .1W 1% 15K0 OHM	4	
145-416-00	B	RES MF SM .1W 1% 19K1 OHM	2	
145-417-00	B	RES MF SM .1W 1% 19K6 OHM	2	
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	
145-426-00	B	RES MF SM .1W 1% 24K3 OHM	4	
145-435-00	B	RES MF SM .1W 1% 30K1 OHM	4	
145-445-00	B	RES MF SM .1W 1% 38K3 OHM	4	
145-455-00	B	RES MF SM .1W 1% 48K7 OHM	2	
145-456-00	B	RES MF SM .1W 1% 49K9 OHM	6	
145-464-00	B	RES MF SM .1W 1% 60K4 OHM	2	
145-474-00	B	RES MF SM .1W 1% 76K8 OHM	2	
146-373-00	A	RES MF SM .25W 1% 6K81 OM	8	
200-010-02	B	PLY .0018UF 10% 100V TR	8	
200-011-02	B	PLY .0022UF 10% 100V TR	12	
200-013-02	B	PLY .0082UF 10% 100V TR	8	
200-014-02	B	PLY .0033UF 10% 100V TR	8	
200-025-02	A	PLY/BX .56UF 5% 63V TR	8	
200-029-02	A	PLY/BX .22UF 5% 50V TR	15	

continued...



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
200-031-02	A	PLY/BX .022UF 5% 100V TR	20	
212-001-00	B1	CER .01UF 10% 50V X7R SM	83	
212-003-00	B1	CER 100PF 5% 50V NPO SM	2	
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	
212-005-00	B1	CER 20PF 5% 50V NPO SM	37	
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	
212-009-00	A	CER 47PF 5% 50V NPO SM	24	
212-010-00	B1	CER .1 +80/-20 25V Z5U SM	72	
212-015-00	B1	CER 33PF 5% 50V NPO SM	2	
212-018-00	B1	CER 10PF 5% 50V NPO SM	8	
212-019-00	B1	CER 150PF 5% 50V SM	16	
212-021-00	B1	CER 27PF 5% 50V NPO SM	12	
212-023-00	B1	CER .001UF 10% 50V NPO SM	6	
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	135	
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	
220-008-02	A1	LYT 1UF 20% 50V RAD TR	2	
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	
220-027-02	B1	LYT 10UF 20% 50V RAD TR	6	
300-003-00	A	DIO SW DL4148 100V SM	8	
301-004-00	A	DIO PWR DL4002 SM	16	
302-010-03	B	DIO ZEN DL5232B 5.6V SM	2	
⚠ 304-002-00	A	LED RED T1-3/4 W FLASHER	1	
⚠ 304-027-02	C00	LED RED W/.425 SPACER TR	5	
⚠ 304-028-02	C00	LED YEL W/.425 SPACER TR	7	
⚠ 304-029-02	C00	LED GRN W/.425 SPACER TR	20	
310-002-02	A1	XSTR PNP 2N4403 T/A	2	
311-001-00	B	XSTR NPN IMBT4401 SMT	3	
311-002-00	A	XSTR PNP MMST4403 SMT	8	
320-011-00	A	OPAMP 4560 8P SIP	2	
320-020-00	A	IC, DUAL OP AMP NJM4565G	64	
323-002-00	C	LM339D QUAD COMP SM	8	
325-086-03	A	IC 74HC4053 ANA MUX/DEMUX	3	
400-022-00	A	RCA QUAD PCMNT	1	
400-041-00	A	XLR VERT MALE PCMNT	3	
400-048-00	A	HDR 7P .156X1 RTA	1	
400-464-00	AO1	JACK 1/4 V PCMNT 1MM WASH	32	
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	2	
450-241-00	C	PCB CFX MASTER	1	
0000162	A	SWITCH 2PDT PUSH V SNAPIN	46	
500-045-00	A	SW ROTARY ENCODER GRYCD 15.5MM	1	
601-010-00	A	FERRITE SMT POWER	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
620-042-00	A	CBL FLT 16C W/TABS .1 4.0	1	
660-002-00	A	24GA JUMPER WIRE TR	82	
706-009-00	C	SPCR PLASTIC .385 LED	1	
706-033-01	D	STDF SWAGE NO.4 X .542L F	21	
706-038-00	A	STDF SWAGE 4-40X.25L.25OD	3	
760-107-00	B	BUTTON 2 COLOR 9X5MM	40	
760-108-00	A	BUTTON 2 COLOR 9X9MM	6	



055-242-00-02 REV C05 CFX SLAVE PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	20	
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	
130-031-00	A	POT SLD 10KD 60MM MONO	4	
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	
140-066-00	A	RES TF SM .1W 5% 510 OHM	32	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	24	
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	4	
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	8	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	28	
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	32	
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	4	
140-097-00	A	RES TF SM .1W 5% 10K OHM	12	
140-098-00	A	RES TF SM .1W 5% 11K OHM	4	
140-101-00	A	RES TF SM .1W 5% 15K OHM	4	
140-104-00	A	RES TF SM .1W 5% 20K OHM	8	
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	
140-111-00	A	RES TF SM .1W 5% 36K OHM	4	
140-114-00	A	RES TF SM .1W 5% 47K OHM	8	
140-123-00	A	RES TF SM .1W 5% 100K OHM	24	
141-051-00	B	RES TF SM .25W 5% 120 OHM	4	
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	20	
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	
146-373-00	A	RES MF SM .25W 1% 6K81 OM	8	
200-010-02	B	PLY .0018UF 10% 100V TR	4	
200-014-02	B	PLY .0033UF 10% 100V TR	8	
200-025-02	A	PLY/BX .56UF 5% 63V TR	4	
212-001-00	B1	CER .01UF 10% 50V X7R SM	34	
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	
212-005-00	B1	CER 20PF 5% 50V NPO SM	4	
212-009-00	A	CER 47PF 5% 50V NPO SM	8	
212-010-00	B1	CER .1 +80/-20 25V Z5U SM	4	
212-018-00	B1	CER 10PF 5% 50V NPO SM	4	
212-019-00	B1	CER 150PF 5% 50V SM	16	
212-023-00	B1	CER .001UF 10% 50V NPO SM	4	
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	38	
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Slave PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	
301-004-00	A	DIO PWR DL4002 SM	16	
⚠ 304-028-02	C00	LED YEL W/.425 SPACER TR	4	
311-002-00	A	XSTR PNP MMST4403 SMT	8	
320-020-00	A	IC, DUAL OP AMP NJM4565G	14	
323-002-00	C	LM339D QUAD COMP SM	2	
400-464-00	AO1	JACK 1/4 V PCMNT 1MM WASH	8	
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	4	
450-242-00	C	PCB, CFX SLAVE 4	1	
0000162	A	SWITCH 2PDT PUSH V SNAPIN	24	
660-002-00	A	24GA JUMPER WIRE TR	31	
706-033-01	D	STDF SWAGE NO.4 X .542L F	10	
760-107-00	B	BUTTON 2 COLOR 9X5MM	20	
760-108-00	A	BUTTON 2 COLOR 9X9MM	4	



055-258-00-01 REV A10 POWER SUPPLY PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
100-028-00	A	RES CF .125W 5% 130 OHM	2	
100-031-00	A	RES CF .125W 5% 180 OHM	1	
100-058-00	A	RES CF .125W 5% 2K4 OHM	2	
100-063-00	A	RES CF .125W 5% 3K9 OHM	2	
110-080-00	A	RES CF .25W 5% 20K OHM	1	
121-093-00	A	RES MO 1W 5% 6K8 OHM	1	
211-001-00	D1	CER .01UF +80/-20% 25V AX	3	
211-010-00	A1	CER .01UF +80/-20% 50V AX	1	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	1	
220-007-00	B1	LYT 100UF 20% 100V RAD	1	
220-011-02	A1	LYT 100UF 20% 25V RAD	2	
220-012-02	B1	LYT 4.7UF 20% 63V RAD TR	1	
220-023-00	C1	LYT 6800UF 20% 35V RAD	3	
220-026-00	B1	LYT 1000UF 20% 100V RAD	1	
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	
301-001-00	A	DIO PWR 1N4002	17	
301-003-00	B	DIO PWR 1N5401 3A 100V	4	
⚠ 321-003-00	B	REG 7805 +5V	1	
⚠ 321-008-00	B	REG LM317T ADJ	2	
⚠ 321-009-00	A	REG LM337T ADJ	1	
⚠ 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	
400-093-00	A	HDR 7P .156X1 LOCKING	1	
400-173-00	A	TERM .25 QKDS PCMT STABLE	1	
400-348-00	A	TERM .187 QDISC STBL PCMT	1	
400-350-00	A	HDR 9P .156X1 STR	1	
450-258-00	B	PCB POWER SUPPLY	1	
⚠ 510-002-00	C	FUSE SB .5A 5X20 250V IEC	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



055-260-00-02 REV B00 AC INPUT PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
040-135-00	A	DIS 18G 1010 GRNYL 4 LGTM	1	
⚠ 200-023-00	B	PLY/BX .001UF 20% 250V Y2	2	
⚠ 200-024-00	B	PLY/BX .01UF 20% 250V Y2	1	
⚠ 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	
⚠ 400-132-00	A	IEC MALE RTA PCMT	1	
400-173-00	A	TERM .25 QKDS PCMT STABLE	2	
450-260-00	B	PCB AC INPUT CFX	1	
⚠ 500-052-00	A	SW SPST POWER ROCKER RTA BLK	1	
700-012-00	A00	MCH 4-40X3/8 PHP CLRZC	2	
705-005-00	A	NUT LOCK 4-40	2	
712-020-00	A	BRKT ANG 6-32X.037THK STL	1	
712-021-01	B	RVT CL END .125X.062-.125	2	

080-144-00 REV D BNC ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
400-010-00	B	BNC PANEL MOUNT	1	
400-065-00	A	TERM QDISC .250 F 18-22GA	1	
400-091-00	A	TERM QDISC .187 F 18-22GA	1	
610-027-00	B	WIR 22G 1007 BLU 17IN ST2	1	
610-028-00	B	WIR 22G 1007 GRN 17IN ST2	1	
705-030-00	1	NUT 3/8 W/400-010-00	1	
710-047-00	1	WASH FLT W/400-010-00	1	
711-016-00	1	LUG SOLDER 3/8 W/400-010-00	1	

080-142-00 REV B TRANSFORMER ASSEMBLY -010 120V

PART #	REV	DESCRIPTION	QTY	NOTES
400-210-00	B	TERM QDISC .250 F 18-22GA	2	
400-351-00	A	IDC 9P .156X1 22GA END	1	
⚠ 600-010-00	B00	XFMR SR24.4 120V	1	
⚠ 550-490-00	B1	XFMR SHLD 600-010-XX M6X	1	
720-007-00	A	TAPE DS 30MIL X 1.0W URTH		



CFX•16 Parts List

PART #	DESCRIPTION	PAGE
090-121-0	CFX16	2
070-121-XX	BOMSHELL CFX16	2
055-192-00-01	EFFECTS PCB ASSEMBLY	4
055-241-00-03	MASTER PCB ASSEMBLY	5
055-242-00-02	SLAVE PCB ASSEMBLY	9
055-258-00-01	POWER SUPPLY PCB ASSEMBLY	11
080-144-00	BNC ASSEMBLY	12
055-260-00-02	AC INPUT PCB ASSEMBLY	12
080-142-00	TRANSFORMER ASSY -010 120V	12



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



090-121-00 REV A3 CFX16 FINAL ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
070-121-XX	A40	BOMSHELL CFX16	1	SEE BELOW
⚠ 080-142-00	B	TRANSFORMER ASSEMBLY -010 120V	1	SEE PAGE 12
⚠ 510-001-00	B	FUSE SB 1A 5X20MM 250V UL	1	
⚠ 640-001-00	D	LC IEC SJT 10A/125V 6FT	1	LINECORD
820-104-00	C00	OWNERS MANUAL	1	

070-121-XX REV A40 BOMSHELL CFX16

PART #	REV	DESCRIPTION	QTY	NOTES
040-358-00	B	RIBBON CABLE 18G 7P .156 16IN	1	
055-192-00-01	C11	EFFECTS PCB ASSEMBLY	1	SEE PAGE 4
055-241-00-03	C05	MASTER PCB ASSEMBLY	1	SEE PAGE 5
055-242-00-02	C05	SLAVE PCB ASSEMBLY 4	2	SEE PAGE 9
055-258-00-02	A11	POWER SUPPLY PCB ASSEMBLY	1	SEE PAGE 11
055-260-00-02	B00	AC INPUT PCB ASSEMBLY	1	SEE PAGE 12
080-144-00	D	BNC ASSEMBLY	1	SEE PAGE 12
400-365-00	A	QDISK TAB .250 M #6 MNT	1	
⚠ 410-005-00	A	INSL SILPAD TO-220	4	
550-443-00	B1	SCR CHASSIS TOP CXF 16	1	
550-446-00	A1	CHASSIS BOTTOM CXF 16	1	
550-462-00	A1	CLAMP TO-220 X 4	1	
550-491-00	A1	FAB PLT HTSK CFX PWR SPLY	1	
550-551-10	A1	PNT LEFT SIDE CFX	1	
550-551-20	A1	PNT RIGHT SIDE CFX	1	
550-553-00	B1	SCR BACK CFX-16	1	
620-045-00	A	CBL FLT 14C W/PINS 3.5IN	4	
700-010-00	A	TF 6-32X1/4 PHP BLKZC	26	
700-011-00	A	MCH 4-40X1/4 BTNSKT BLKZC	44	
700-028-01	B	SEMS 6-32X5/16 PHP BLKZC	6	
700-028-03	B	SEMS 6-32X1/2 PHP BLKZC	4	
701-016-00	A	5-20X5/16 PHPII TYP B BLK	31	
705-001-00	A	KEPNUT 6-32	4	
0000223	A	NUT, HEX, THREADED, 1/4"	0	
705-008-00	A	NUT LOCK 8-32	2	
0000222	A	WASHER	0	
750-001-00	A	BUMPON ROUND BLK .63X.31	4	
760-037-01	C00	KNOB SLIDE 10X25MM MLGLIN	15	



Bomshell CFX16 continued

PART #	REV	DESCRIPTION	QTY	NOTES
760-037-03	C00	KNOB SLIDE 11X24 BLUE	4	
760-048-01	B	KNOB 9MM LT GRY	21	
760-048-02	B	KNOB 9MM MAGENTA	60	
760-048-03	B	KNOB 9MM BLU/GRY	46	
760-048-04	B	KNOB 9MM DARK GRAY	26	
760-091-00	A	KNOB MASTER VOLUME	1	
780-050-00	A	LIPSEAL MASTER CFX	1	
780-051-00	A	LIPSEAL SLAVE 4 CFX	2	
790-002-00	A	BAG POLY 12 X 18 2MIL	1	
790-027-00	A	BAG POLY 20X7X36 4MIL GUS	1	
800-131-00	B	BOX CMPT CFX 16	1	
810-083-00	A	FOAM FRONT CMPT CFX	1	
810-084-00	A	FOAM REAR CMPT CFX	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



055-192-00-01 REV C11 EFFECTS ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
220-011-00	A1	LYT 100UF 20% 25V RAD	1	
315-017-00	A	XTAL 24.576MHZ LOW PROF	1	
400-280-00	A	HDR SKT 16P .1X1 STR	1	
050-192-00-01	C11	EFFECTS PCB ASSEMBLY	1	SEE BELOW

050-192-00-01 REV C11 EFFECTS PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
140-009-00	A	RES TF SM .1W 5% 2.2 OHM	1	
140-049-00	A	RES TF SM .1W 5% 100 OHM	2	
140-053-00	A	RES TF SM .1W 5% 150 OHM	2	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	6	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	10	
140-097-00	A	RES TF SM .1W 5% 10K OHM	2	
140-114-00	A	RES TF SM .1W 5% 47K OHM	4	
140-123-00	A	RES TF SM .1W 5% 100K OHM	3	
140-139-00	A	RES TF SM .1W 5% 470K OHM	1	
212-001-00	B1	CER .01UF 10% 50V X7R SM	2	
212-003-00	B1	CER 100PF 5% 50V NPO SM	2	
212-005-00	B1	CER 20PF 5% 50V NPO SM	2	
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	
212-016-00	A1	CER 1000PF 5% 50V NPO SM	13	
212-023-00	B1	CER .001UF 10% 50V NPO SM	3	
212-024-00	A1	CER 1UF 25V Y5V 1206	4	
212-027-00	A1	CER .1UF 16V 10% X7R 0603	15	
212-029-00	A1	CER 270PF 5% 50V NPO SM	2	
212-032-00	A1	CER 2200PF 10% 50V X7R	5	
223-003-00	A1	LYT 22UF 20% 6.3V SM	1	
223-004-00	B1	LYT 10UF 20% 16V SM	5	
300-003-00	A	DIO SW DL4148 100V SM	4	
325-027-03	A	CMOS 74HC74A DUAL D FLPFL	1	
325-071-03	A	CMOS 74HCU04 HEX INV SM	1	
329-042-03	B	CODEC SOUNDPORT AD1819	1	
329-047-03	B	SRAM 32KX8 20NS SOJ SM	2	
450-192-00	C	PCB LC EFTS PWR MIXER	1	
601-009-00	A	FERRITE SMT SIG 1K OHM	3	
601-010-00	A	FERRITE SMT POWER	1	
080-088-00	A	DSP PROGRAMMED ADSP-2163	1	



055-241-00-03 REV C05 MASTER PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
040-357-00	A	DIS 22GA 1007 GRN/Y 8 QD	1	
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	36	
130-022-02	A	POT RTY 10KB 9MM MONO TN	2	
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	
130-031-00	A	POT SLD 10KD 60MM MONO	8	
130-032-00	A	POT SLD 50KD 60MM DUAL	3	
130-061-02	B	POT 50KG 12MM DUAL WO SLV	15	
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	
130-075-00	A	POT SLD 50KG 30MM DL PANS	9	
140-017-00	A	RES TF SM .1W 5% 4.7 OHM	4	
140-032-00	A	RES TF SM .1W 5% 20 OHM	1	
140-037-00	A	RES TF SM .1W 5% 33 OHM	1	
140-049-00	A	RES TF SM .1W 5% 100 OHM	1	
140-051-00	A	RES TF SM .1W 5% 120 OHM	13	
140-057-00	A	RES TF SM .1W 5% 220 OHM	2	
140-061-00	A	RES TF SM .1W 5% 330 OHM	2	
140-064-00	A	RES TF SM .1W 5% 430 OHM	1	
140-065-00	A	RES TF SM .1W 5% 470 OHM	3	
140-066-00	A	RES TF SM .1W 5% 510 OHM	53	
140-068-00	A	RES TF SM .1W 5% 620 OHM	1	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	64	
140-074-00	A	RES TF SM .1W 5% 1K1 OHM	2	
140-076-00	A	RES TF SM .1W 5% 1K3 OHM	1	
140-077-00	A	RES TF SM .1W 5% 1K5 OHM	2	
140-079-00	A	RES TF SM .1W 5% 1K8 OHM	4	
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	8	
140-083-00	A	RES TF SM .1W 5% 2K7 OHM	2	
140-085-00	A	RES TF SM .1W 5% 3K3 OHM	2	
140-086-00	A	RES TF SM .1W 5% 3K6 OHM	4	
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	17	
140-088-00	A	RES TF SM .1W 5% 4.3K OHM	8	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	40	
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	72	
140-091-00	A	RES TF SM .1W 5% 5K6 OHM	1	
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	16	
140-097-00	A	RES TF SM .1W 5% 10K OHM	108	
140-098-00	A	RES TF SM .1W 5% 11K OHM	12	
140-101-00	A	RES TF SM .1W 5% 15K OHM	12	
140-104-00	A	RES TF SM .1W 5% 20K OHM	12	
140-105-00	A	RES TF SM .1W 5% 22K OHM	1	
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	
140-109-00	A	RES TF SM .1W 5% 30K OHM	32	
140-111-00	A	RES TF SM .1W 5% 36K OHM	8	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
140-112-00	A	RES TF SM .1W 5% 39K OHM	2	
140-114-00	A	RES TF SM .1W 5% 47K OHM	16	
140-119-00	A	RES TF SM .1W 5% 75K OHM	8	
140-123-00	A	RES TF SM .1W 5% 100K OHM	69	
140-130-00	A	RES TF SM .1W 5% 200K OHM	6	
141-051-00	B	RES TF SM .25W 5% 120 OHM	34	
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	
145-279-00	B	RES MF SM .1W 1% 787 OHM	2	
145-288-00	B	RES MF SM .1W 1% 976 OHM	2	
145-296-00	B	RES MF SM .1W 1% 1K18 OHM	2	
145-307-00	B	RES MF SM .1W 1% 1K54 OHM	2	
145-317-00	B	RES MF SM .1W 1% 1K96 OHM	2	
145-330-00	B	RES MF SM .1W 1% 2K43 OHM	6	
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	22	
145-341-00	B	RES MF SM .1W 1% 3K16 OHM	1	
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	
145-350-00	B	RES MF SM .1W 1% 3K92 OHM	2	
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	
145-356-00	B	RES MF SM .1W 1% 4K53 OHM	2	
145-358-00	B	RES MF SM .1W 1% 4K75 OHM	2	
145-368-00	B	RES MF SM .1W 1% 6K04 OHM	2	
145-373-00	B	RES MF SM .1W 1% 6K81 OHM	1	
145-377-00	B	RES MF SM .1W 1% 7K50 OHM	2	
145-388-00	B	RES MF SM .1W 1% 9K76 OHM	5	
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	
145-397-00	B	RES MF SM .1W 1% 12K1 OHM	4	
145-406-00	B	RES MF SM .1W 1% 15K0 OHM	4	
145-416-00	B	RES MF SM .1W 1% 19K1 OHM	2	
145-417-00	B	RES MF SM .1W 1% 19K6 OHM	2	
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	
145-426-00	B	RES MF SM .1W 1% 24K3 OHM	4	
145-435-00	B	RES MF SM .1W 1% 30K1 OHM	4	
145-445-00	B	RES MF SM .1W 1% 38K3 OHM	4	
145-455-00	B	RES MF SM .1W 1% 48K7 OHM	2	
145-456-00	B	RES MF SM .1W 1% 49K9 OHM	6	
145-464-00	B	RES MF SM .1W 1% 60K4 OHM	2	
145-474-00	B	RES MF SM .1W 1% 76K8 OHM	2	
146-373-00	A	RES MF SM .25W 1% 6K81 OM	8	
200-010-02	B	PLY .0018UF 10% 100V TR	8	
200-011-02	B	PLY .0022UF 10% 100V TR	12	
200-013-02	B	PLY .0082UF 10% 100V TR	8	
200-014-02	B	PLY .0033UF 10% 100V TR	8	
200-025-02	A	PLY/BX .56UF 5% 63V TR	8	
200-029-02	A	PLY/BX .22UF 5% 50V TR	15	

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Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
200-031-02	A	PLY/BX .022UF 5% 100V TR	20	
212-001-00	B1	CER .01UF 10% 50V X7R SM	83	
212-003-00	B1	CER 100PF 5% 50V NPO SM	2	
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	
212-005-00	B1	CER 20PF 5% 50V NPO SM	37	
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	
212-009-00	A	CER 47PF 5% 50V NPO SM	24	
212-010-00	B1	CER .1 +80/-20 25V Z5U SM	72	
212-015-00	B1	CER 33PF 5% 50V NPO SM	2	
212-018-00	B1	CER 10PF 5% 50V NPO SM	8	
212-019-00	B1	CER 150PF 5% 50V SM	16	
212-021-00	B1	CER 27PF 5% 50V NPO SM	12	
212-023-00	B1	CER .001UF 10% 50V NPO SM	6	
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	135	
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	
220-008-02	A1	LYT 1UF 20% 50V RAD TR	2	
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	
220-027-02	B1	LYT 10UF 20% 50V RAD TR	6	
300-003-00	A	DIO SW DL4148 100V SM	8	
301-004-00	A	DIO PWR DL4002 SM	16	
302-010-03	B	DIO ZEN DL5232B 5.6V SM	2	
304-002-00	A	LED RED T1-3/4 W FLASHER	1	
304-027-02	C00	LED RED W/.425 SPACER TR	5	
304-028-02	C00	LED YEL W/.425 SPACER TR	7	
304-029-02	C00	LED GRN W/.425 SPACER TR	20	
310-002-02	A1	XSTR PNP 2N4403 T/A	2	
311-001-00	B	XSTR NPN IMBT4401 SMT	3	
311-002-00	A	XSTR PNP MMST4403 SMT	8	
320-011-00	A	OPAMP 4560 8P SIP	2	
320-020-00	A	IC, DUAL OP AMP NJM4565G	64	
323-002-00	C	LM339D QUAD COMP SM	8	
325-086-03	A	IC 74HC4053 ANA MUX/DEMUX	3	
400-022-00	A	RCA QUAD PCMNT	1	
400-041-00	A	XLR VERT MALE PCMNT	3	
400-048-00	A	HDR 7P .156X1 RTA	1	
400-464-00	AO1	JACK 1/4 V PCMNT 1MM WASH	32	
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	2	
450-241-00	C	PCB CFX MASTER	1	
0000162	A	SWITCH 2PDT PUSH V SNAPIN	46	
500-045-00	A	SW RTY ENCDR GRYCD 15.5MM	1	
601-010-00	A	FERRITE SMT POWER	1	
620-042-00	A	CBL FLT 16C W/TABS .1 4.0	1	

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Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
660-002-00	A	24GA JUMPER WIRE TR	82	
706-009-00	C	SPCR PLASTIC .385 LED	1	
706-033-01	D	STDF SWAGE NO.4 X .542L F	21	
706-038-00	A	STDF SWAGE 4-40X.25L.25OD	3	
760-107-00	B	BTN 2 COLOR 9X5MM	40	
760-108-00	A	BTN 2 COLOR 9X9MM	6	



055-242-00-02 REV C05 SLAVE PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	20	
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	
130-031-00	A	POT SLD 10KD 60MM MONO	4	
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	
140-066-00	A	RES TF SM .1W 5% 510 OHM	32	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	24	
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	4	
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	8	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	28	
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	32	
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	4	
140-097-00	A	RES TF SM .1W 5% 10K OHM	12	
140-098-00	A	RES TF SM .1W 5% 11K OHM	4	
140-101-00	A	RES TF SM .1W 5% 15K OHM	4	
140-104-00	A	RES TF SM .1W 5% 20K OHM	8	
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	
140-111-00	A	RES TF SM .1W 5% 36K OHM	4	
140-114-00	A	RES TF SM .1W 5% 47K OHM	8	
140-123-00	A	RES TF SM .1W 5% 100K OHM	24	
141-051-00	B	RES TF SM .25W 5% 120 OHM	4	
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	20	
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	
146-373-00	A	RES MF SM .25W 1% 6K81 OM	8	
200-010-02	B	PLY .0018UF 10% 100V TR	4	
200-014-02	B	PLY .0033UF 10% 100V TR	8	
200-025-02	A	PLY/BX .56UF 5% 63V TR	4	
212-001-00	B1	CER .01UF 10% 50V X7R SM	34	
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	
212-005-00	B1	CER 20PF 5% 50V NPO SM	4	
212-009-00	A	CER 47PF 5% 50V NPO SM	8	
212-010-00	B1	CER .1 +80/-20 25V Z5U SM	4	
212-018-00	B1	CER 10PF 5% 50V NPO SM	4	
212-019-00	B1	CER 150PF 5% 50V SM	16	
212-023-00	B1	CER .001UF 10% 50V NPO SM	4	
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	38	
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Slave PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	
301-004-00	A	DIO PWR DL4002 SM	16	
304-028-02	C00	LED YEL W/.425 SPACER TR	4	
311-002-00	A	XSTR PNP MMST4403 SMT	8	
320-020-00	A	IC, DUAL OP AMP NJM4565G	14	
323-002-00	C	LM339D QUAD COMP SM	2	
400-464-00	AO1	JACK 1/4 V PCMNT 1MM WASH	8	
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	4	
450-242-00	C	PCB, CFX SLAVE 4	1	
0000162	A	SWITCH 2PDT PUSH V SNAPIN	24	
660-002-00	A	24GA JUMPER WIRE TR	31	
706-033-01	D	STDF SWAGE NO.4 X .542L F	10	
760-107-00	B	BTN 2 COLOR 9X5MM	20	
760-108-00	A	BTN 2 COLOR 9X9MM	4	



055-258-00-01 REV A10 POWER SUPPLY PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
100-028-00	A	RES CF .125W 5% 130 OHM	2	
100-031-00	A	RES CF .125W 5% 180 OHM	1	
100-058-00	A	RES CF .125W 5% 2K4 OHM	2	
100-063-00	A	RES CF .125W 5% 3K9 OHM	2	
110-080-00	A	RES CF .25W 5% 20K OHM	1	
121-093-00	A	RES MO 1W 5% 6K8 OHM	1	
211-001-00	D1	CER .01UF +80/-20% 25V AX	3	
211-010-00	A1	CER .01UF +80/-20% 50V AX	1	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	1	
220-007-00	B1	LYT 100UF 20% 100V RAD	1	
220-011-02	A1	LYT 100UF 20% 25V RAD	2	
220-012-02	B1	LYT 4.7UF 20% 63V RAD TR	1	
220-023-00	C1	LYT 6800UF 20% 35V RAD	3	
220-026-00	B1	LYT 1000UF 20% 100V RAD	1	
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	
301-001-00	A	DIO PWR 1N4002	17	
301-003-00	B	DIO PWR 1N5401 3A 100V	4	
321-003-00	B	REG 7805 +5V	1	
321-008-00	B	REG LM317T ADJ	2	
321-009-00	A	REG LM337T ADJ	1	
400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	
400-093-00	A	HDR 7P .156X1 LOCKING	1	
400-173-00	A	TERM .25 QKDS PCMT STABLE	1	
400-348-00	A	TERM .187 QDISC STBL PCMT	1	
400-350-00	A	HDR 9P .156X1 STR	1	
450-258-00	B	PCB PWR SPLY CMPT CFX	1	
510-002-00	C	FUSE SB .5A 5X20 250V IEC	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



055-260-00-02 REV B00 AC INPUT PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
040-135-00	A	DIS 18G 1010 GRNYL 4 LGTM	1	
200-023-00	B	PLY/BX .001UF 20% 250V Y2	2	
200-024-00	B	PLY/BX .01UF 20% 250V Y2	1	
400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	
400-132-00	A	IEC MALE RTA PCMT	1	
400-173-00	A	TERM .25 QKDS PCMT STABLE	2	
450-260-00	B	PCB AC INPUT CFX	1	
500-052-00	A	SW SPST PWR RCKR RTA BLK	1	
700-012-00	A00	MCH 4-40X3/8 PHP CLRZC	2	
705-005-00	A	NUT LOCK 4-40	2	
712-020-00	A	BRKT ANG 6-32X.037THK STL	1	
712-021-01	B	RVT CL END .125X.062-.125	2	

080-144-00 REV D BNC ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
400-010-00	D	BNC PANEL MOUNT	1	
400-065-00	A	TERM QDISC .250 F 18-22GA	1	
400-091-00	A	TERM QDISC .187 F 18-22GA	1	
610-027-00	B	WIR 22G 1007 BLU 17IN ST2	1	
610-028-00	B	WIR 22G 1007 GRN 17IN ST2	1	
705-030-00	1	NUT 3/8 W/400-010-00	1	
710-047-00	1	WASH FLT W/400-010-00	1	
711-016-00	1	LUG SLDR 3/8 W/400-010-00	1	

080-142-00 REV B TRANSFORMER ASSEMBLY -010 120V

PART #	REV	DESCRIPTION	QTY	NOTES
400-210-00	B	TERM QDISC .250 F 18-22GA	2	
400-351-00	A	IDC 9P .156X1 22GA END	1	
600-010-00	B00	XFMR SR24.4 120V	1	
550-490-00	B1	XFMR SHLD 600-010-XX M6X	1	
720-007-00	A	TAPE DS 30MIL X 1.0W URTH		



CFX•20 Parts List

PART #	DESCRIPTION	PAGE
090-122-00	CFX20	1
070-122-XX	BOMSHELL CFX20	2
055-192-00-01	EFFECTS PCB ASSEMBLY	4
055-241-00-03	MASTER PCB ASSEMBLY	5
055-242-00-02	SLAVE PCB ASSEMBLY	9
055-258-00-01	POWER SUPPLY PCB ASSEMBLY	11
055-260-00-02	AC INPUT PCB ASSEMBLY	12
080-144-00	BNC ASSEMBLY	12
080-142-00	TRANSFORMER ASSY -010 120V	12



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



090-122-00 REV A3 CFX20

PART #	REV	DESCRIPTION	QTY	NOTES
070-122-XX	A40	BOMSHELL CFX20	1	SEE BELOW
⚠ 080-142-00	B	SA XFMER -010 120V CFX12	1	SEE PAGE 12
⚠ 510-001-00	B	FUSE SB 1A 5X20MM 250V UL	1	
⚠ 640-001-00	D	LC IEC SJT 10A/125V 6FT	1	LINECORD
820-104-00	C00	OWNERS MANUAL	1	

070-122-XX REV A40 BOMSHELL CFX20

PART #	REV	DESCRIPTION	QTY	NOTES
040-358-00	B	RIBBON CABLE 18G 7P .156 16IN	1	
055-192-00-01	C11	EFFECTS PCB ASSEMBLY	1	SEE PAGE 4
055-241-00-03	C05	MASTER PCB ASSEMBLY	1	SEE PAGE 5
055-242-00-02	C05	SLAVE 4 PCB ASSEMBLY	3	SEE PAGE 9
055-258-00-01	A10	POWER SUPPLY PCB ASSEMBLY	1	SEE PAGE 11
055-260-00-02	B00	AC INPUT PCB ASSEMBLY	1	SEE PAGE 12
080-144-00	D	BNC ASSEMBLY	1	SEE PAGE 12
400-365-00	A	QDISK TAB .250 M #6 MNT	1	
⚠ 410-005-00	A	INSL SILPAD TO-220	4	
550-444-00	B1	SCR CHASSIS TOP CXF 20	1	
550-447-00	A1	CHASSIS BOTTOM CXF 20	1	
550-462-00	A1	CLAMP TO-220 X 4	1	
550-491-00	A1	FAB PLT HTSK CFX PWR SPLY	1	
550-551-10	A1	PNT LEFT SIDE CFX	1	
550-551-20	A1	PNT RIGHT SIDE CFX	1	
550-554-00	B1	SCR BACK CFX-20	1	
620-045-00	A	CBL FLT 14C W/PINS 3.5IN	6	
700-010-00	A	TF 6-32X1/4 PHP BLKZC	31	
700-011-00	A	MCH 4-40X1/4 BTNSKT BLKOX	54	
700-028-01	B	SEMS 6-32X5/16 PHP BLKZC	6	
700-028-03	B	SEMS 6-32X1/2 PHP BLKZC	4	
701-016-00	A	5-20X5/16 PHPII TYP B BLK	39	
705-001-00	A	KEPNUT 6-32	4	
0000223	A	NUT, HEX, THREADED, 1/4"	0	
705-008-00	A	NUT LOCK 8-32	2	
0000222	A	WASHER	0	
750-001-00	A	BUMPON ROUND BLK .63X.31	4	
760-037-01	C00	KNOB SLIDE 10X25MM MLDLIN	19	
760-037-03	C00	KNOB SLIDE 11X24 BLUE	4	
760-048-01	B	KNOB 9MM LT GRY	25	
760-048-02	B	KNOB 9MM MAGENTA	76	
760-048-03	B	KNOB 9MM BLU/GRY	58	
760-048-04	B	KNOB 9MM DARK GRAY	34	
760-091-00	A	KNOB MASTER VOLUME	1	
780-050-00	A	LIPSEAL MASTER CFX	1	

continued...



Bomshell CFX20 continued

PART #	REV	DESCRIPTION	QTY	NOTES
780-051-00	A	LIPSEAL SLAVE 4 CFX	3	
790-002-00	A	BAG POLY 12 X 18 2MIL	1	
790-027-00	A	BAG POLY 20X7X36 4MIL GUS	1	
800-132-00	B	BOX CMPT CFX 20	1	
810-083-00	A	FOAM FRONT CMPT CFX	1	
810-084-00	A	FOAM REAR CMPT CFX	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



055-192-00-01 REV C11 EFFECTS ASSEMBLY (also used in PPM Powered Mixers)

PART #	REV	DESCRIPTION	QTY	NOTES
220-011-00	A1	LYT 100UF 20% 25V RAD	1	
315-017-00	A	XTAL 24.576MHZ LOW PROF	1	
400-280-00	A	HDR SKT 16P .1X1 STR	1	
050-192-00-01	C11	EFFECTS PCB ASSEMBLY	1	SEE BELOW

050-192-00-01 REV C11 EFFECTS PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
140-009-00	A	RES TF SM .1W 5% 2.2 OHM	1	
140-049-00	A	RES TF SM .1W 5% 100 OHM	2	
140-053-00	A	RES TF SM .1W 5% 150 OHM	2	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	6	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	10	
140-097-00	A	RES TF SM .1W 5% 10K OHM	2	
140-114-00	A	RES TF SM .1W 5% 47K OHM	4	
140-123-00	A	RES TF SM .1W 5% 100K OHM	3	
140-139-00	A	RES TF SM .1W 5% 470K OHM	1	
212-001-00	B1	CER .01UF 10% 50V X7R SM	2	
212-003-00	B1	CER 100PF 5% 50V NPO SM	2	
212-005-00	B1	CER 20PF 5% 50V NPO SM	2	
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	
212-016-00	A1	CER 1000PF 5% 50V NPO SM	13	
212-023-00	B1	CER .001UF 10% 50V NPO SM	3	
212-024-00	A1	CER 1UF 25V Y5V 1206	4	
212-027-00	A1	CER .1UF 16V 10% X7R 0603	15	
212-029-00	A1	CER 270PF 5% 50V NPO SM	2	
212-032-00	A1	CER 2200PF 10% 50V X7R	5	
223-003-00	A1	LYT 22UF 20% 6.3V SM	1	
223-004-00	B1	LYT 10UF 20% 16V SM	5	
300-003-00	A	DIO SW DL4148 100V SM	4	
325-027-03	A	CMOS 74HC74A DUAL D FLPFL	1	
325-071-03	A	CMOS 74HCU04 HEX INV SM	1	
329-042-03	B	CODEC SOUNDPORT AD1819	1	
329-047-03	B	SRAM 32KX8 20NS SOJ SM	2	
450-192-00	C	PCB EFFECTS	1	
601-009-00	A	FERRITE SMT SIG 1K OHM	3	
601-010-00	A	FERRITE SMT POWER	1	
080-088-00	A	DSP PROGRAMMED ADSP-2163	1	



055-241-00-03 REV C05 MASTER PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
040-357-00	A	DIS 22GA 1007 GRN/Y 8 QD	1	
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	36	
130-022-02	A	POT RTY 10KB 9MM MONO TN	2	
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	
130-031-00	A	POT SLIDE 10KD 60MM MONO	8	
130-032-00	A	POT SLIDE 50KD 60MM DUAL	3	
130-061-02	B	POT 50KG 12MM DUAL WO SLV	15	
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	
130-075-00	A	POT SLD 50KG 30MM DL PANS	9	
140-017-00	A	RES TF SM .1W 5% 4.7 OHM	4	
140-032-00	A	RES TF SM .1W 5% 20 OHM	1	
140-037-00	A	RES TF SM .1W 5% 33 OHM	1	
140-049-00	A	RES TF SM .1W 5% 100 OHM	1	
140-051-00	A	RES TF SM .1W 5% 120 OHM	13	
140-057-00	A	RES TF SM .1W 5% 220 OHM	2	
140-061-00	A	RES TF SM .1W 5% 330 OHM	2	
140-064-00	A	RES TF SM .1W 5% 430 OHM	1	
140-065-00	A	RES TF SM .1W 5% 470 OHM	3	
140-066-00	A	RES TF SM .1W 5% 510 OHM	53	
140-068-00	A	RES TF SM .1W 5% 620 OHM	1	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	64	
140-074-00	A	RES TF SM .1W 5% 1K1 OHM	2	
140-076-00	A	RES TF SM .1W 5% 1K3 OHM	1	
140-077-00	A	RES TF SM .1W 5% 1K5 OHM	2	
140-079-00	A	RES TF SM .1W 5% 1K8 OHM	4	
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	8	
140-083-00	A	RES TF SM .1W 5% 2K7 OHM	2	
140-085-00	A	RES TF SM .1W 5% 3K3 OHM	2	
140-086-00	A	RES TF SM .1W 5% 3K6 OHM	4	
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	17	
140-088-00	A	RES TF SM .1W 5% 4.3K OHM	8	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	40	
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	72	
140-091-00	A	RES TF SM .1W 5% 5K6 OHM	1	
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	16	
140-097-00	A	RES TF SM .1W 5% 10K OHM	108	
140-098-00	A	RES TF SM .1W 5% 11K OHM	12	
140-101-00	A	RES TF SM .1W 5% 15K OHM	12	
140-104-00	A	RES TF SM .1W 5% 20K OHM	12	
140-105-00	A	RES TF SM .1W 5% 22K OHM	1	
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	
140-109-00	A	RES TF SM .1W 5% 30K OHM	32	
140-111-00	A	RES TF SM .1W 5% 36K OHM	8	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
140-112-00	A	RES TF SM .1W 5% 39K OHM	2	
140-114-00	A	RES TF SM .1W 5% 47K OHM	16	
140-119-00	A	RES TF SM .1W 5% 75K OHM	8	
140-123-00	A	RES TF SM .1W 5% 100K OHM	69	
140-130-00	A	RES TF SM .1W 5% 200K OHM	6	
141-051-00	B	RES TF SM .25W 5% 120 OHM	34	
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	
145-279-00	B	RES MF SM .1W 1% 787 OHM	2	
145-288-00	B	RES MF SM .1W 1% 976 OHM	2	
145-296-00	B	RES MF SM .1W 1% 1K18 OHM	2	
145-307-00	B	RES MF SM .1W 1% 1K54 OHM	2	
145-317-00	B	RES MF SM .1W 1% 1K96 OHM	2	
145-330-00	B	RES MF SM .1W 1% 2K43 OHM	6	
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	22	
145-341-00	B	RES MF SM .1W 1% 3K16 OHM	1	
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	
145-350-00	B	RES MF SM .1W 1% 3K92 OHM	2	
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	
145-356-00	B	RES MF SM .1W 1% 4K53 OHM	2	
145-358-00	B	RES MF SM .1W 1% 4K75 OHM	2	
145-368-00	B	RES MF SM .1W 1% 6K04 OHM	2	
145-373-00	B	RES MF SM .1W 1% 6K81 OHM	1	
145-377-00	B	RES MF SM .1W 1% 7K50 OHM	2	
145-388-00	B	RES MF SM .1W 1% 9K76 OHM	5	
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	
145-397-00	B	RES MF SM .1W 1% 12K1 OHM	4	
145-406-00	B	RES MF SM .1W 1% 15K0 OHM	4	
145-416-00	B	RES MF SM .1W 1% 19K1 OHM	2	
145-417-00	B	RES MF SM .1W 1% 19K6 OHM	2	
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	
145-426-00	B	RES MF SM .1W 1% 24K3 OHM	4	
145-435-00	B	RES MF SM .1W 1% 30K1 OHM	4	
145-445-00	B	RES MF SM .1W 1% 38K3 OHM	4	
145-455-00	B	RES MF SM .1W 1% 48K7 OHM	2	
145-456-00	B	RES MF SM .1W 1% 49K9 OHM	6	
145-464-00	B	RES MF SM .1W 1% 60K4 OHM	2	
145-474-00	B	RES MF SM .1W 1% 76K8 OHM	2	
146-373-00	A	RES MF SM .25W 1% 6K81 OM	8	
200-010-02	B	PLY .0018UF 10% 100V TR	8	
200-011-02	B	PLY .0022UF 10% 100V TR	12	
200-013-02	B	PLY .0082UF 10% 100V TR	8	
200-014-02	B	PLY .0033UF 10% 100V TR	8	
200-025-02	A	PLY/BX .56UF 5% 63V TR	8	
200-029-02	A	PLY/BX .22UF 5% 50V TR	15	

continued...



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
200-031-02	A	PLY/BX .022UF 5% 100V TR	20	
212-001-00	B1	CER .01UF 10% 50V X7R SM	83	
212-003-00	B1	CER 100PF 5% 50V NPO SM	2	
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	
212-005-00	B1	CER 20PF 5% 50V NPO SM	37	
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	
212-009-00	A	CER 47PF 5% 50V NPO SM	24	
212-010-00	B1	CER .1 +80/-20 25V Z5U SM	72	
212-015-00	B1	CER 33PF 5% 50V NPO SM	2	
212-018-00	B1	CER 10PF 5% 50V NPO SM	8	
212-019-00	B1	CER 150PF 5% 50V SM	16	
212-021-00	B1	CER 27PF 5% 50V NPO SM	12	
212-023-00	B1	CER .001UF 10% 50V NPO SM	6	
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	135	
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	
220-008-02	A1	LYT 1UF 20% 50V RAD TR	2	
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	
220-027-02	B1	LYT 10UF 20% 50V RAD TR	6	
300-003-00	A	DIO SW DL4148 100V SM	8	
301-004-00	A	DIO PWR DL4002 SM	16	
302-010-03	B	DIO ZEN DL5232B 5.6V SM	2	
⚠ 304-002-00	A	LED RED T1-3/4 W FLASHER	1	
⚠ 304-027-02	C00	LED RED W/.425 SPACER TR	5	
⚠ 304-028-02	C00	LED YEL W/.425 SPACER TR	7	
⚠ 304-029-02	C00	LED GRN W/.425 SPACER TR	20	
310-002-02	A1	XSTR PNP 2N4403 T/A	2	
311-001-00	B	XSTR NPN IMBT4401 SMT	3	
311-002-00	A	XSTR PNP MMST4403 SMT	8	
320-011-00	A	OPAMP 4560 8P SIP	2	
320-020-00	A	IC, DUAL OP AMP NJM4565G	64	
323-002-00	C	LM339D QUAD COMP SM	8	
325-086-03	A	IC 74HC4053 ANA MUX/DEMUX	3	
400-022-00	A	RCA QUAD PCMNT	1	
400-041-00	A	XLR VERT MALE PCMNT	3	
400-048-00	A	HDR 7P .156X1 RTA	1	
400-464-00	AO1	JACK 1/4 V PCMNT 1MM WASH	32	
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	2	
450-241-00	C	PCB CFX MASTER	1	
0000162	A	SWITCH 2PDT PUSH V SNAPIN	46	
500-045-00	A	SW ROTARY ENCODER GREYCODE 15.5MM	1	
601-010-00	A	FERRITE SMT POWER	1	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Master PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
620-042-00	A	CBL FLT 16C W/TABS .1 4.0	1	
660-002-00	A	24GA JUMPER WIRE TR	82	
706-009-00	C	SPCR PLASTIC .385 LED	1	
706-033-01	D	STDF SWAGE NO.4 X .542L F	21	
706-038-00	A	STDF SWAGE 4-40X.25L.25OD	3	
760-107-00	B	BUTTON 2 COLOR 9X5MM	40	
760-108-00	A	BUTTON 2 COLOR 9X9MM	6	



055-242-00-02 REV C05 SLAVE PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	20	
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	
130-031-00	A	POT SLD 10KD 60MM MONO	4	
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	
140-066-00	A	RES TF SM .1W 5% 510 OHM	32	
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	24	
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	4	
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	8	
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	28	
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	32	
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	4	
140-097-00	A	RES TF SM .1W 5% 10K OHM	12	
140-098-00	A	RES TF SM .1W 5% 11K OHM	4	
140-101-00	A	RES TF SM .1W 5% 15K OHM	4	
140-104-00	A	RES TF SM .1W 5% 20K OHM	8	
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	
140-111-00	A	RES TF SM .1W 5% 36K OHM	4	
140-114-00	A	RES TF SM .1W 5% 47K OHM	8	
140-123-00	A	RES TF SM .1W 5% 100K OHM	24	
141-051-00	B	RES TF SM .25W 5% 120 OHM	4	
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	20	
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	
146-373-00	A	RES MF SM .25W 1% 6K81 OM	8	
200-010-02	B	PLY .0018UF 10% 100V TR	4	
200-014-02	B	PLY .0033UF 10% 100V TR	8	
200-025-02	A	PLY/BX .56UF 5% 63V TR	4	
212-001-00	B1	CER .01UF 10% 50V X7R SM	34	
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	
212-005-00	B1	CER 20PF 5% 50V NPO SM	4	
212-009-00	A	CER 47PF 5% 50V NPO SM	8	
212-010-00	B1	CER .1 +80/-20 25V Z5U SM	4	
212-018-00	B1	CER 10PF 5% 50V NPO SM	4	
212-019-00	B1	CER 150PF 5% 50V SM	16	
212-023-00	B1	CER .001UF 10% 50V NPO SM	4	
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	38	
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	

continued...



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



Slave PCB assembly continued

PART #	REV	DESCRIPTION	QTY	NOTES
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	
301-004-00	A	DIO PWR DL4002 SM	16	
⚠ 304-028-02	C00	LED YEL W/.425 SPACER TR	4	
311-002-00	A	XSTR PNP MMST4403 SMT	8	
320-020-00	A	IC, DUAL OP AMP NJM4565G	14	
323-002-00	C	LM339D QUAD COMP SM	2	
400-464-00	AO1	JACK 1/4 V PCMNT 1MM WASH	8	
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	4	
450-242-00	C	PCB, CFX SLAVE 4	1	
0000162	A	SWITCH 2PDT PUSH V SNAPIN	24	
660-002-00	A	24GA JUMPER WIRE TR	31	
706-033-01	D	STDF SWAGE NO.4 X .542L F	10	
760-107-00	B	BTN 2 COLOR 9X5MM	20	
760-108-00	A	BTN 2 COLOR 9X9MM	4	
840-154-00	B	LBL BLANK 1.5X.25 BD P/N	1	



055-258-00-01 REV A10 POWER SUPPLY PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
100-028-00	A	RES CF .125W 5% 130 OHM	2	
100-031-00	A	RES CF .125W 5% 180 OHM	1	
100-058-00	A	RES CF .125W 5% 2K4 OHM	2	
100-063-00	A	RES CF .125W 5% 3K9 OHM	2	
110-080-00	A	RES CF .25W 5% 20K OHM	1	
⚠ 121-093-00	A	RES MO 1W 5% 6K8 OHM	1	
211-001-00	D1	CER .01UF +80/-20% 25V AX	3	
211-010-00	A1	CER .01UF +80/-20% 50V AX	1	
220-002-02	A1	LYT 47UF 20% 25V RAD TR	1	
220-007-00	B1	LYT 100UF 20% 100V RAD	1	
220-011-02	A1	LYT 100UF 20% 25V RAD	2	
220-012-02	B1	LYT 4.7UF 20% 63V RAD TR	1	
220-023-00	C1	LYT 6800UF 20% 35V RAD	3	
220-026-00	B1	LYT 1000UF 20% 100V RAD	1	
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	
301-001-00	A	DIO PWR 1N4002	17	
301-003-00	B	DIO PWR 1N5401 3A 100V	4	
⚠ 321-003-00	B	REG 7805 +5V	1	
⚠ 321-008-00	B	REG LM317T ADJ	2	
⚠ 321-009-00	A	REG LM337T ADJ	1	
⚠ 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	
400-093-00	A	HDR 7P .156X1 LOCKING	1	
400-173-00	A	TERM .25 QKDS PCMT STABLE	1	
400-348-00	A	TERM .187 QDISC STBL PCMT	1	
400-350-00	A	HDR 9P .156X1 STR	1	
450-258-00	B	PCB PWR SPLY CMPT CFX	1	
⚠ 510-002-00	C	FUSE SB .5A 5X20 250V IEC	1	



Components noted with this symbol shall be replaced only by the component specified. This is required to maintain product safety.



055-260-00-02 REV B00 AC INPUT PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
040-135-00	A	DIS 18G 1010 GRNYL 4 LGTM	1	
⚠ 200-023-00	B	PLY/BX .001UF 20% 250V Y2	2	
⚠ 200-024-00	B	PLY/BX .01UF 20% 250V Y2	1	
⚠ 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	
⚠ 400-132-00	A	IEC MALE RTA PCMT	1	
400-173-00	A	TERM .25 QKDS PCMT STABLE	2	
450-260-00	B	PCB AC INPUT CFX	1	
⚠ 500-052-00	A	SW SPST PWR RCKR RTA BLK	1	
700-012-00	A00	MCH 4-40X3/8 PHP CLRZC	2	
705-005-00	A	NUT LOCK 4-40	2	
712-020-00	A	BRKT ANG 6-32X.037THK STL	1	
712-021-01	B	RIVET CL END .125X.062-.125	2	

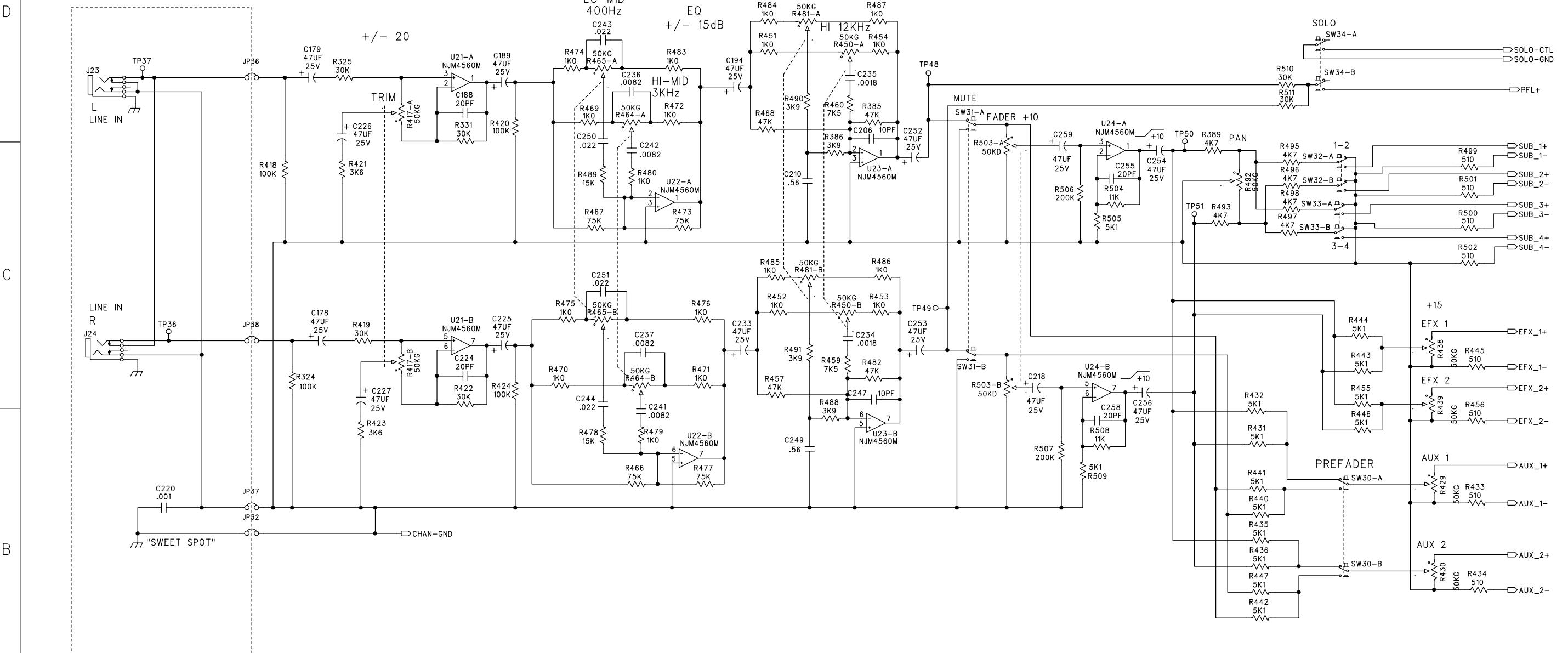
080-144-00 REV D BNC ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
400-010-00	B	BNC PANEL MOUNT	1	
400-065-00	A	TERM QDISC .250 F 18-22GA	1	
400-091-00	A	TERM QDISC .187 F 18-22GA	1	
610-027-00	B	WIR 22G 1007 BLU 17IN ST2	1	
610-028-00	B	WIR 22G 1007 GRN 17IN ST2	1	
705-030-00	1	NUT 3/8 W/400-010-00	1	
710-047-00	1	WASH FLT W/400-010-00	1	
711-016-00	1	LUG SLDR 3/8 W/400-010-00	1	

080-142-00 REV B TRANSFORMER ASSEMBLY -010 120V

PART #	REV	DESCRIPTION	QTY	NOTES
400-210-00	B	TERM QDISC .250 F 18-22GA	2	
400-351-00	A	IDC 9P .156X1 22GA END	1	
⚠ 600-010-00	B00	XFMR SR24.4 120V	1	
⚠ 550-490-00	B1	XFMR SHLD 600-010-XX M6X	1	
720-007-00	A	TAPE DS 30MIL X 1.0W URTH		





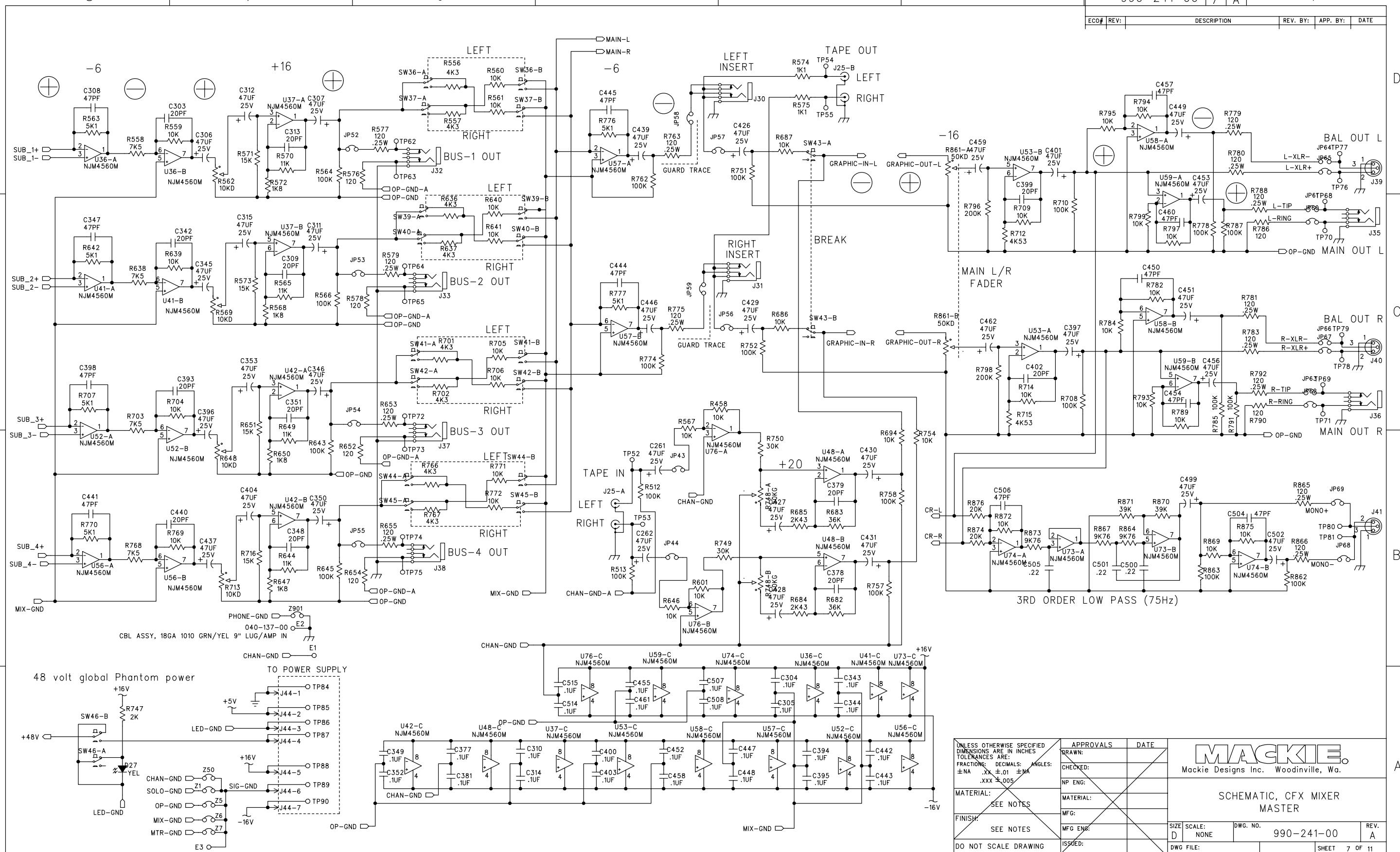
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS: $\pm \frac{1}{16}$, $\pm .01$, $\pm \frac{1}{32}$
DECIMALS: $\pm .005$, $\pm .001$
ANGLES: $\pm 5^\circ$, $\pm 1^\circ$

APPROVALS	DATE
DRAWN:	
CHECKED:	
NP ENG:	
MATERIAL:	
FINISH:	
SEE NOTES	
DO NOT SCALE DRAWING	ISSUED:

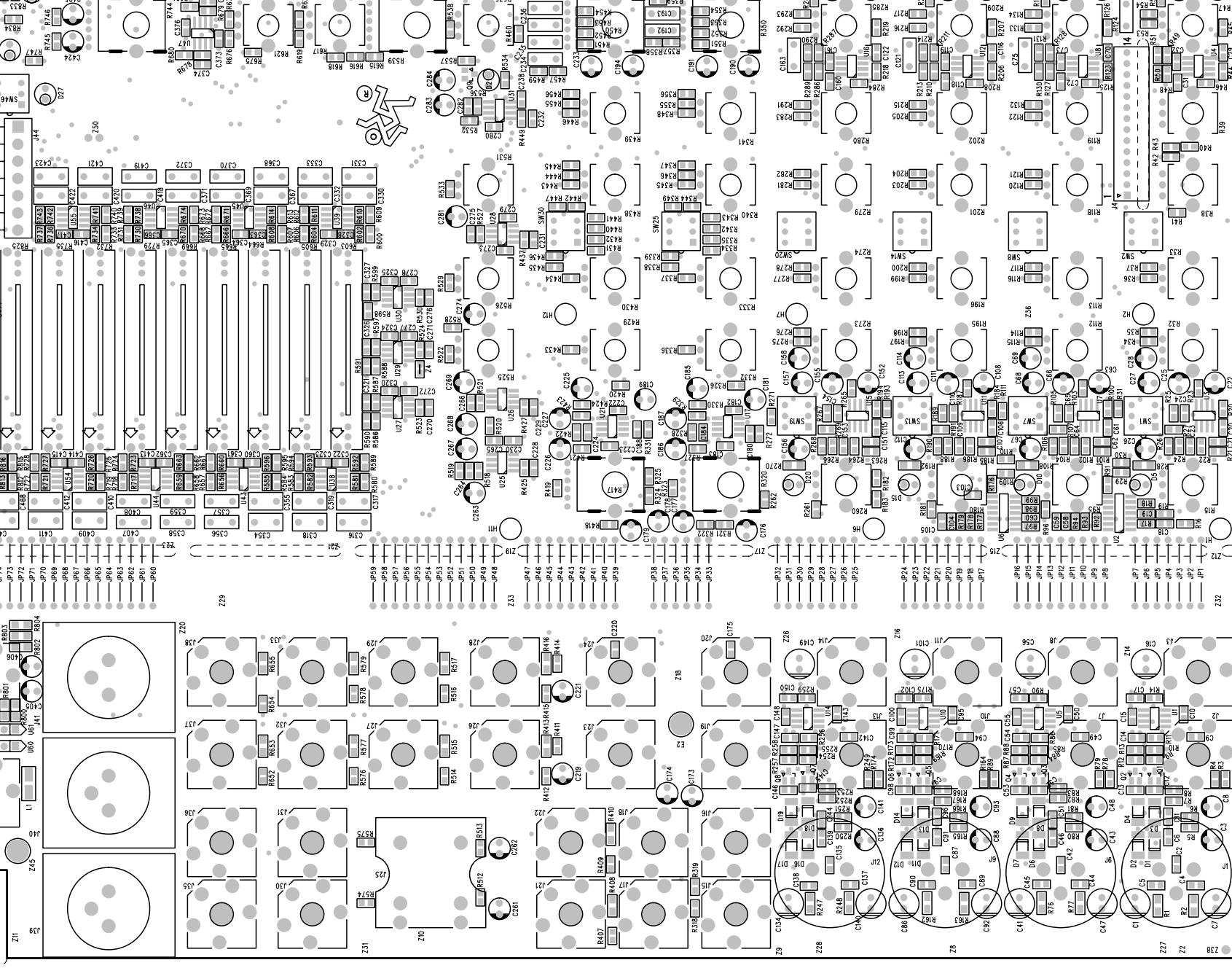
MACKIE
Mackie Designs Inc. Woodinville, Wa.

SCHEMATIC, CFX MIXER
STEREO CHANNEL 7/8

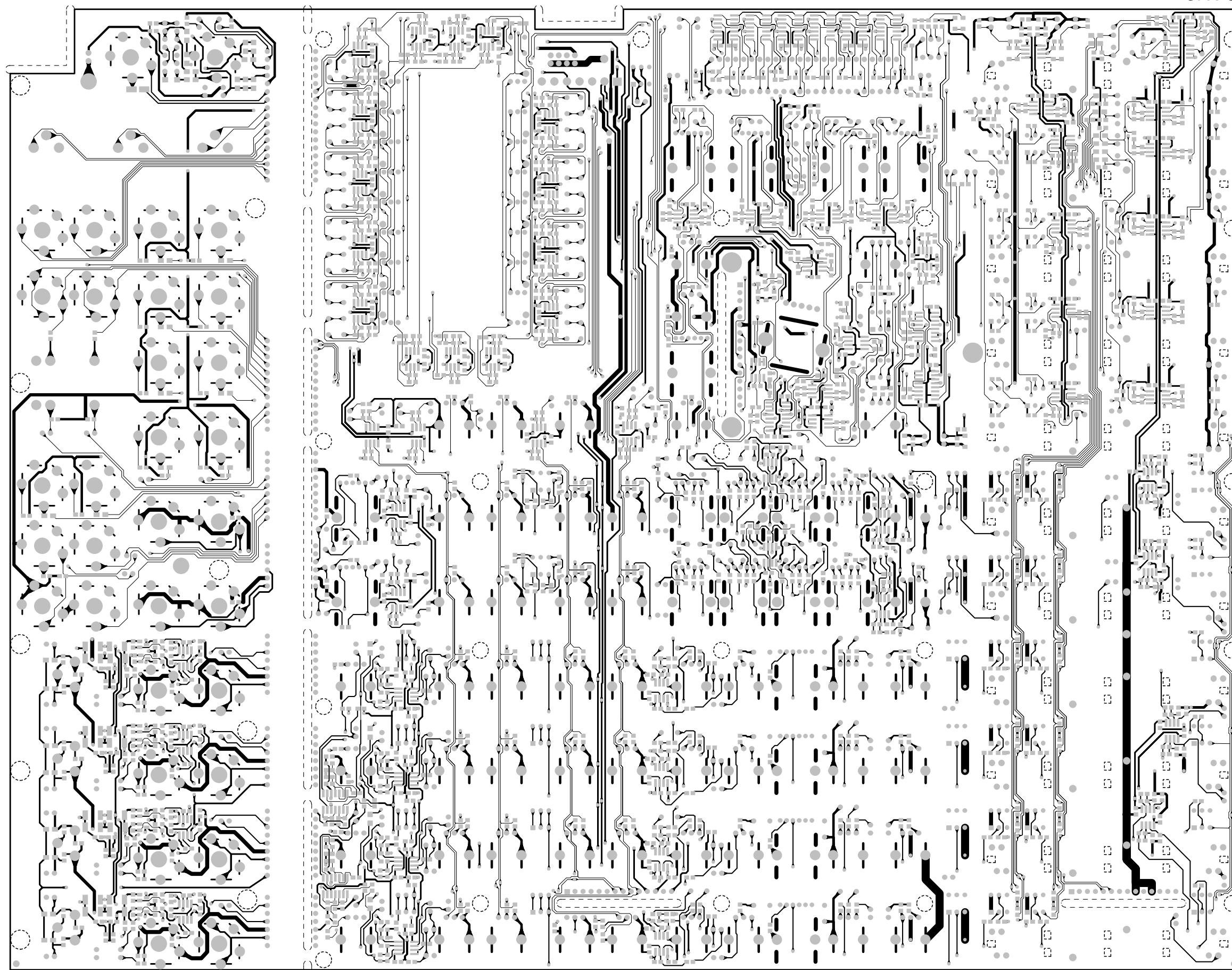
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DWG FILE:			SHEET	6 OF 11		



100

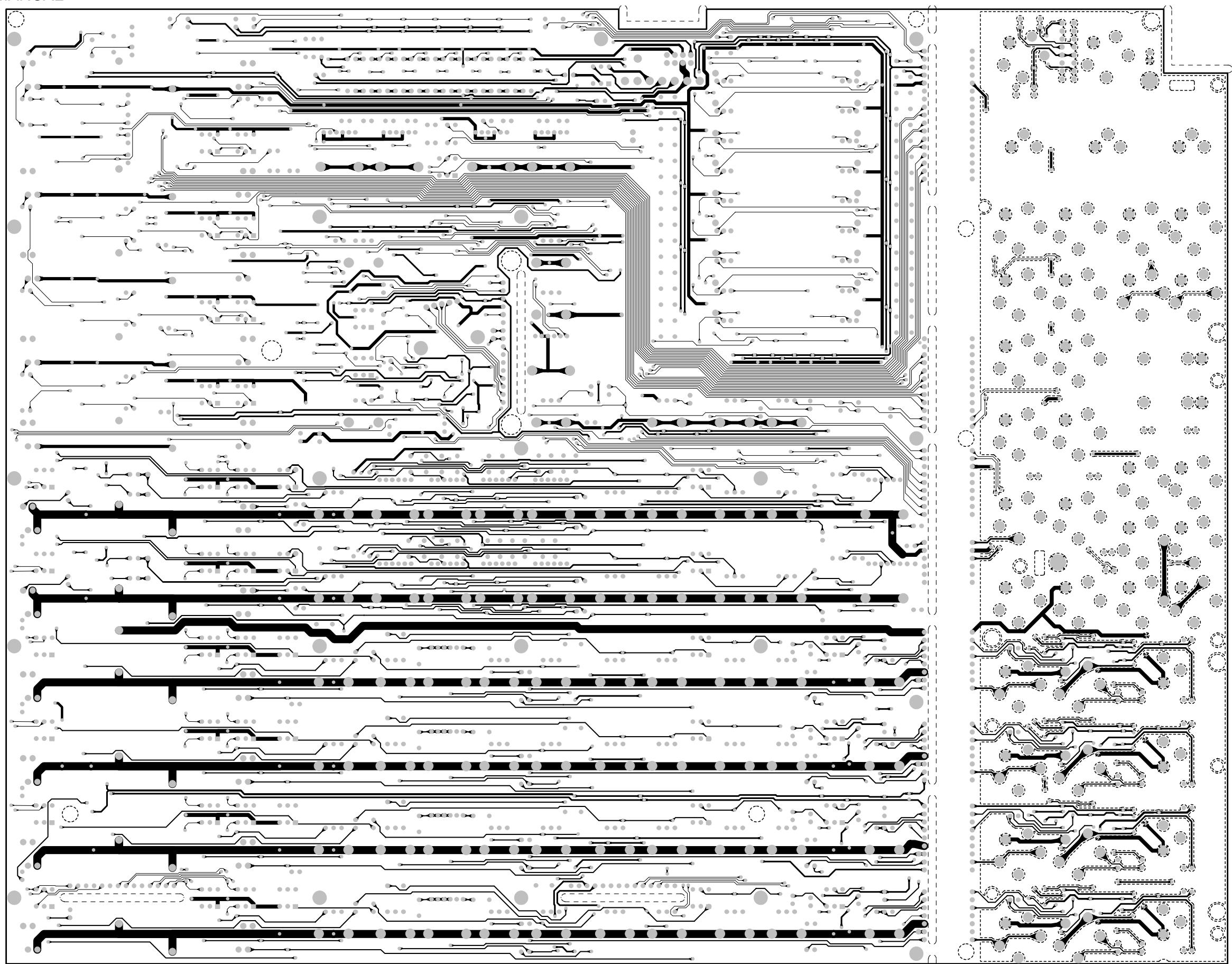


MASTER BOARD 241 REV A

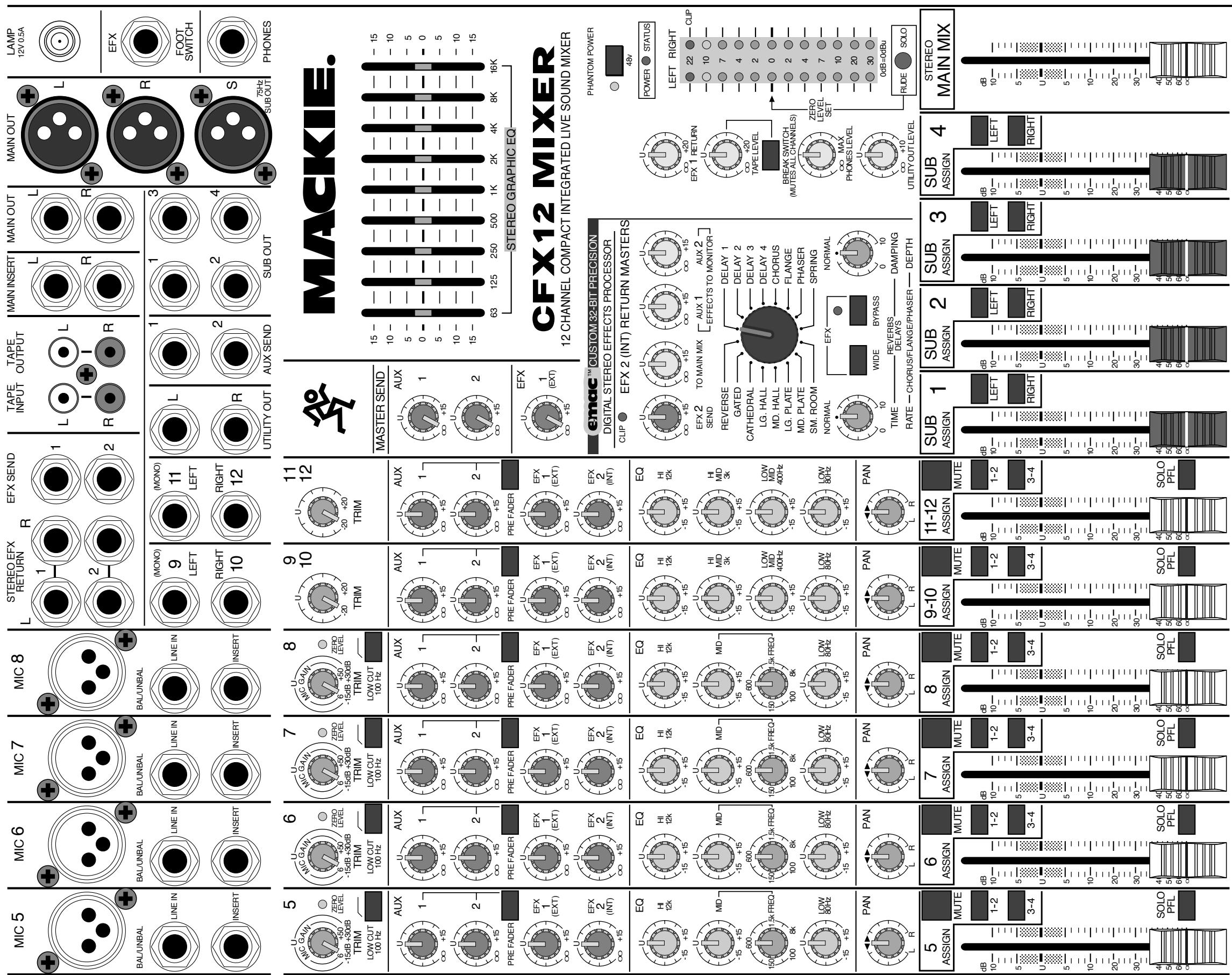


Top of Board
(if this has been printed double-sided, and has been lined up correctly, you can shine a light through this page and see the bottom of the board's traces and pads. Sometimes this works, sometimes not.)

Bottom of Board

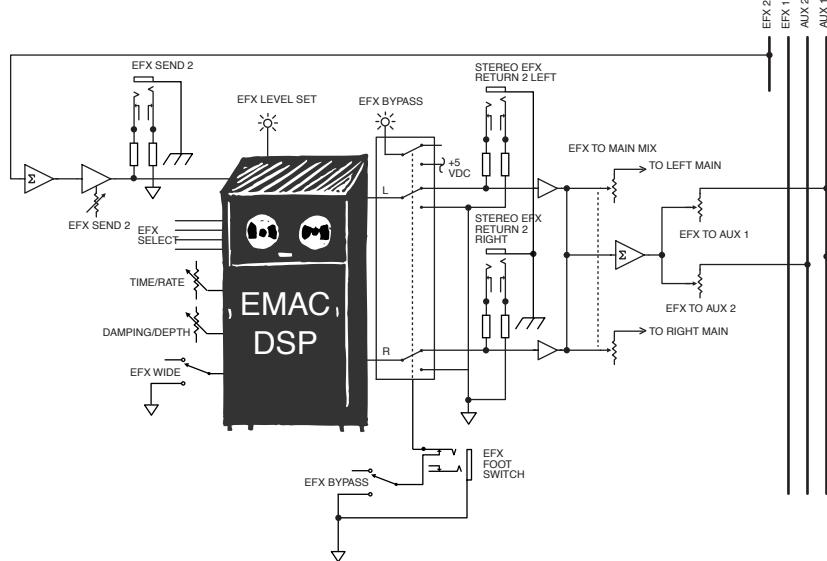


I hope that this is useful. If it helps even one technician out in the big wide world, then it will have been worthwhile.



Effects board

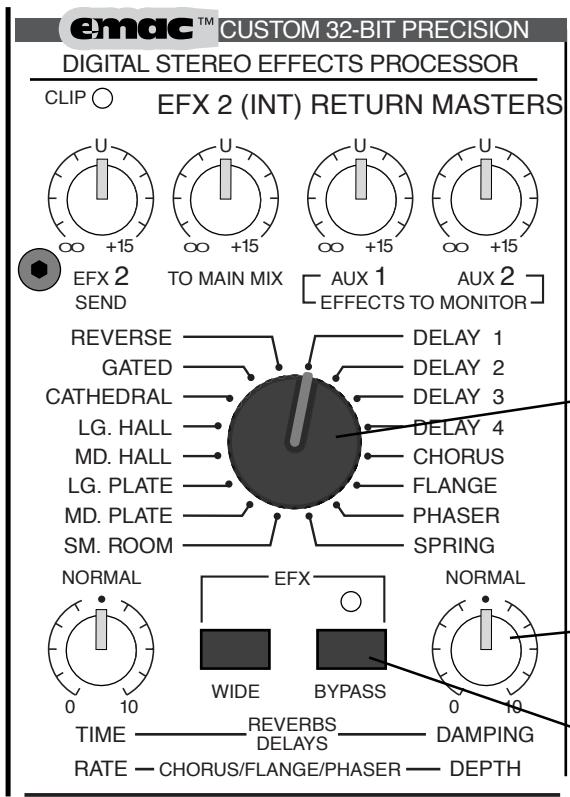
BLOCK DIAGRAM



This shows the signals present on the EFX board connector J1.

1	J1-1	FLAG IN
	J1-2	BANK
	J1-3	+5V
	J1-4	DGND
	J1-5	MONO IN
	J1-6	AGND
	J1-7	RIGHT OUT
	J1-8	LEFT OUT
	J1-9	POT1
	J1-10	POT2
	J1-11	CLIP_LED
	J1-12	N/C
	J1-13	BIT 0
	J1-14	BIT 1
	J1-15	BIT 2
	J1-16	BIT 3

EFX CONTROLS

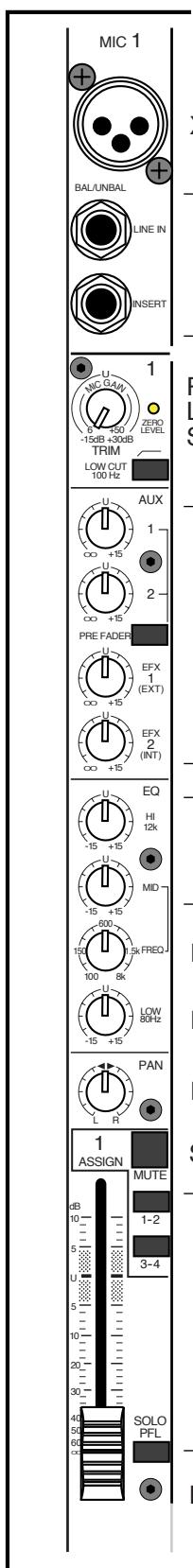


Adjustment of the rotary encoder S1 will vary the level of BIT 0 through to BIT 3. This will select which DSP algorithm is in effect on the EFX board's DSP IC U2.

The adjustment of these two pots directly affects the CODEC IC U3. The levels are named POT1 and POT2 at connector J1.

The state of the WIDE switch and the BYPASS switch directly affect the DSP IC. The WIDE status is named BANK. The BYPASS status is named FLAG.

Quick Parts



XLR = 400-223-00

1/4" jack = 400-214-00

Pot = 130-030-02, Knob = 760-048-01 (white)
LED = 304-028-02 (yellow)
Switch = 500-037-00, Button = 760-107-00

Pot = 130-003-02
Knob = 760-048-02 (Magenta)
Switch = 500-037-00, Button = 760-107-00

Pot = 130-002-02
Knob = 760-048-03 (Blue)

Pot = 130-064-02, Knob = 760-048-04 (Dk Grey)

Pot = 130-002-02, Knob = 760-048-03 (Blue)

Pot = 130-003-02, Knob = 760-048-04 (Dk Grey)

Switch = 500-037-00, Button = 760-108-00

Switch = 500-037-00, Button = 760-107-00

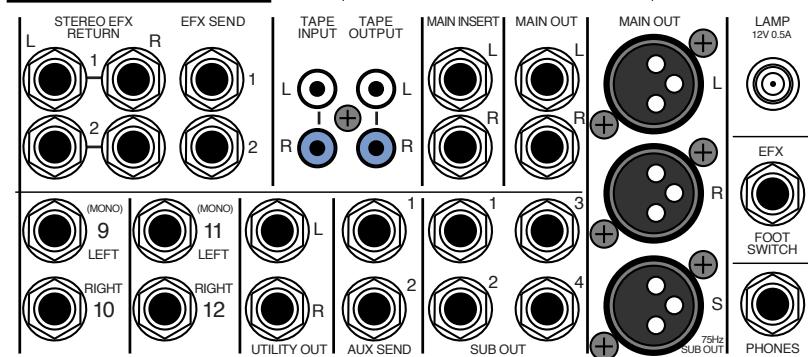
Fader = 130-031-00, Knob = 760-037-01

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All 1/4" jacks = 400-214-00

Quad RCA jack = 400-022-00

XLR = 400-041-00



Pot = 130-061-02, Knob = 760-048-01 (white)

Pot = 130-003-02
Knob = 760-048-02 (magenta)
Switch = 500-037-00, Button = 760-107-00

Pot = 130-061-02, Knob = 760-048-03 (blue)

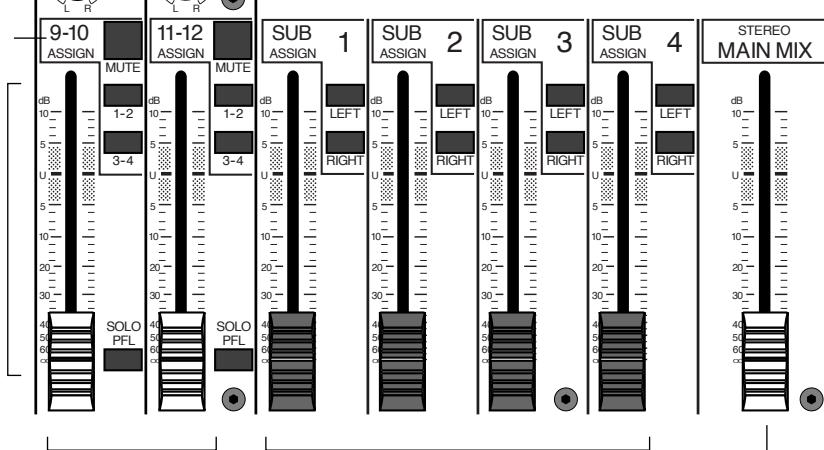
Pot = 130-061-02, Knob = 760-048-04 (dark grey)

Pot = 130-061-02, Knob = 760-048-03 (blue)

Pot = 130-003-02, Knob = 760-048-04 (dark grey)

Switch = 500-037-00
Button = 760-108-00

Switch = 500-037-00
Button = 760-107-00

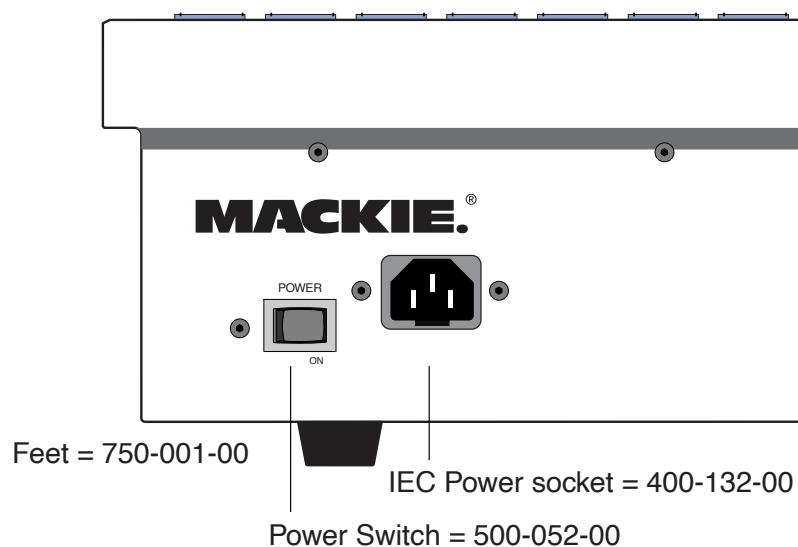
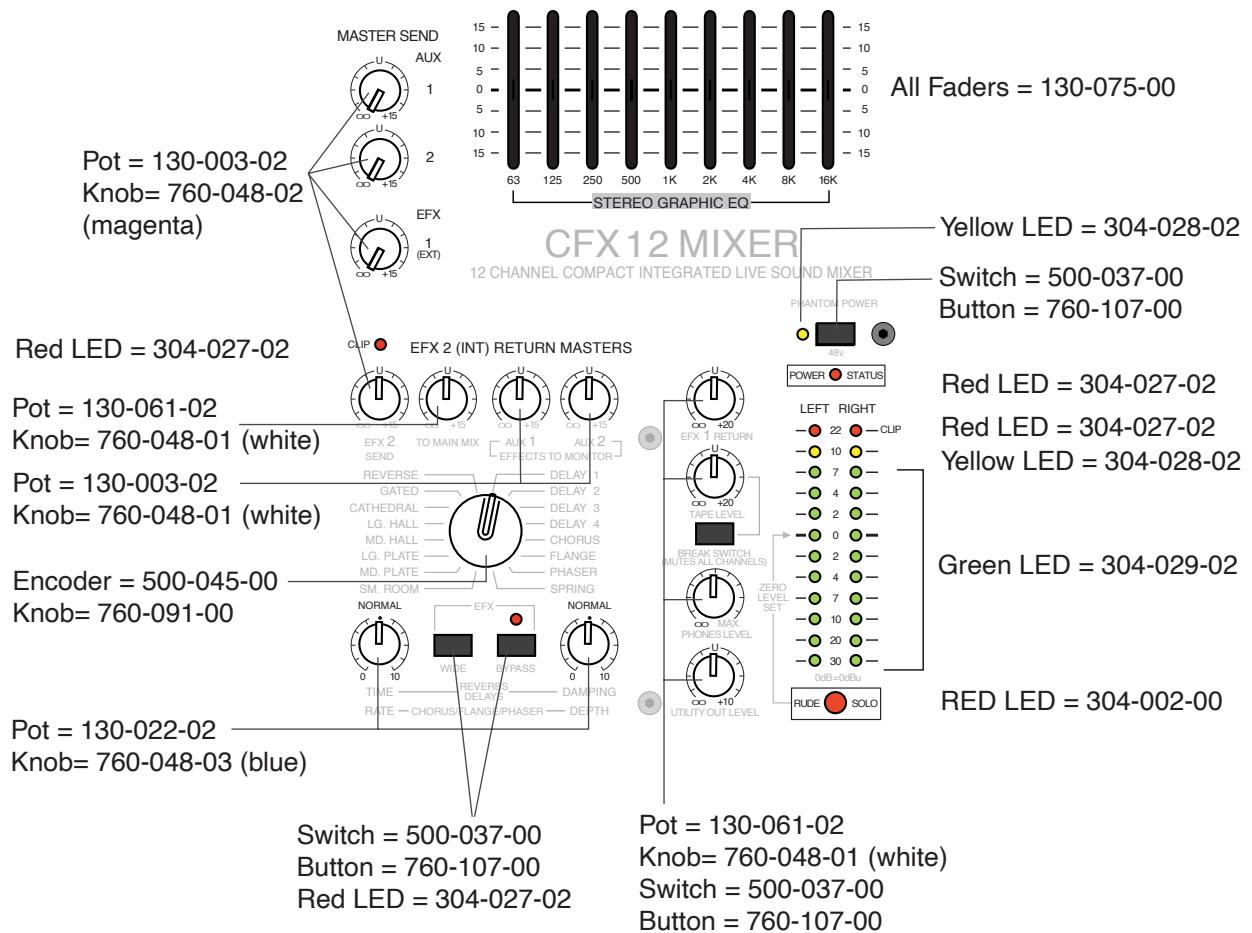


Fader = 130-032-00 (dual)
Knob = 760-037-01

Fader = 130-031-00 (mono)
Knob = 760-037-03 (blue)

Fader = 130-032-00 (dual)
Knob = 760-037-01

MACKIE CFX MIXER SERVICE MANUAL



PARTS LIST**Parts Numbering guide**

- 040- Cables
- 055- Finished PCB Assy
- 100- Pots and resistors
- 200- Capacitors
- 300- Semiconductors
- 400- Jacks/Connectors
- 500- Switches
- 510- Fuses
- 550- Chassis Metalwork
- 600- Transformers
- 601- Inductors
- 610- Wires and Cables
- 640- AC line cords
- 700- Hardware
- 760- Knobs/Plastic
- 770- Fans
- 790- Misc./Packing
- 800- Printed Material
- 860- EPROM

PART#	DESCRIPTION	PAGES
090-063-00	MASTER PARTS	A-2
055-192-00	EFFECTS BOARD	A-4
055-241-00	MASTER BOARD	A-5
055-242-00	SLAVE 4 BOARD	A-10
055-258-00	POWER SUPPLY BOARD	A-12
055-260-00	AC INPUT BOARD	A-12



Components noted with this symbol shall be replaced only by the component specified.
This is required to maintain product safety.

Master Parts List CFX Assembly

Item #	Part #	Description	Rev	Qty	Notes
	090-120-00	CFX12	A3-A2	1	CFX12 ASSEMBLY
	090-121-00	CFX16	A3-A2	1	CFX16 ASSEMBLY
	090-122-00	CFX20	A3-A2	1	CFX20 ASSEMBLY
1	040-358-00	CBL RIB 18G 7P .156 16IN	B	1	
4	055-192-00-01	PCB ASSY LC EFTS-PWR MIX	B1-A1	1	See Page A-4
	055-241-00-02	ASSY PCB CFX MASTER	A-A2	1	See Page A-5
6	055-242-00-01	ASSY PCB CFX SLAVE 4	1-A1	1	See Page A-10
7	055-258-00-01	PCB ASSY PWR SPLY CFX	A-A1	1	See Page A-12
8	055-260-00-01	PCB ASSY AC INPUT CFX	A-A1	1	See Page A-12
9	080-142-00	SA XFMR -010 120V	A-A1	1	120V models (all CFX)
9	080-142-01	SA XFMR -010 230V	A	1	230V models (all CFX)
9	080-142-02	SA XFMR -010 100V	A	1	100V models (all CFX)
2	080-144-00	SA BNC CFX 12/16/20	C1	A1	1
44	400-365-00	Q DISK TAB .250 M #6 MNT	A	1	
11	410-005-00	INSL SILPAD TO-220	A	4	
12	510-001-00	FUSE SB 1A 5X20MM 250V UL	B	1	120V models (all CFX)
12	510-002-00	FUSE SB .5A 5X20 250V IEC	C	1	230V models (all CFX)
12	510-025-00	FUSE SB 1.25A 5X20MM 250V	B	1	100V models (all CFX)
13	550-442-00	CHASSIS TOP CXF 12		1	CFX12
13	550-443-00	CHASSIS TOP CXF 16	A	1	CFX16
13	550-444-00	CHASSIS TOP CXF 20	A	1	CFX20
14	550-445-00	CHASSIS BOTTOM CXF 12	A	1	CFX12
14	550-446-00	CHASSIS BOTTOM CXF 16	A	1	CFX16
14	550-447-00	CHASSIS BOTTOM CXF 20	A	1	CFX20
15	550-462-00	CLAMP TO-220 X 4	A	1	
43	550-491-00	FAB PLT HTSK CFX PWR SPLY	A	1	
16	550-551-10	PNT LEFT SIDE CFX	A	1	
17	550-551-20	PNT RIGHT SIDE CFX	A	1	
18	550-552-00	BACK CFX 12	B	1	CFX12
18	550-553-00	BACK CFX-16	B	1	CFX16
18	550-554-00	BACK CFX-20	B	1	CFX20
20	620-045-00	CBL FLT 14C W/PINS 3.5IN	A	2, 4, 6 (2 for CFX•12, 4-•16, 6-•20)	
	640-001-00	LC IEC SJT 10A/125V 6FT	D	1	120v Line cord
	640-002-02	LC JAPAN 12A 125VAC 8FT	C	1	100V Line cord
22	700-010-00	TF 6-32X1/4 PHP BLKZC	A	26	
23	700-011-00	MCH 4-40X1/4 BTNSKT BLKZC	A	34, 44, 54	
24	700-028-01	SEMS 6-32X5/16 PHP BLKZC	B	6	
25	700-028-03	SEMS 6-32X1/2 PHP BLKZC	B	4	
26	701-016-00	5-20X5/16 PHPII TYP B BLK	A	23, 31, 39	
27	705-001-00	KEPNUT 6-32	A	4	
28	705-003-00	NUT HEX-SPLD W/400-214-00	A	AR	
29	705-008-00	NUT LOCK 8-32	A	2	
31	710-002-00	WASHER-SPLD W/400-214-00	A	AR	
33	750-001-00	BUMPON ROUND BLK .63X.31	A	4	
34	760-037-01	KNOB SLIDE 10X25MM MLDLIN	A	11, 15, 19	
35	760-037-03	KNOB SLIDE 11X24 BLUE	A	4	
36	760-048-01	KNOB 9MM LT GRY	B	17, 21, 25	
	760-048-02	KNOB 9MM MAGENTA	B	44, 60, 76	
	760-048-03	KNOB 9MM BLU/GRY	B	34, 46, 58	
39	760-048-04	KNOB 9MM DARK GRAY	B	18, 26, 34	
40	760-091-00	KNOB MASTER VOLUME	A	1	
41	780-050-00	LIPSEAL MASTER CFX	A	1	
42	780-051-00	LIPSEAL SLAVE 4 CFX	A	1, 2, 3	

Note: The Item numbers in the first column refer to the circled numbers in the exploded views, chapters B, C and D.



CFX SERVICE MANUAL **MACKIE**.

Item #	Part #	Description	Rev	Qty	Notes
790-002-00		BAG POLY 12 X 18 2MIL	A	1	
790-027-00		BAG POLY 20X7X36 4MIL GUS	A	1	
800-130-00		BOX C MPT CFX 12	B	1	CFX12
800-131-00		BOX C MPT CFX 16	B	1	CFX16
800-132-00		BOX C MPT CFX 20	B	1	CFX20
810-086-00		FOAM SET CFX		1	
820-104-00		OWNR MNL COMPACT CFX	A	1	COVERS ALL CFX

055-192-00 REV B, Effects board

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
080-088-00	IC, ADSP-2163		U2
140-009-00	RESISTOR TF SMT	2.2	5% R11
140-049-00	RES TF SM .1W 5% 100 OHM	100	5% R33-34
140-053-00	RESISTOR TF SMT	150	5% R13-14
140-073-00	RESISTOR TF SMT	1K0	5% R4 R8-9 R20 R31
140-089-00	RESISTOR TF SMT	4K7	5% R19 R21 R23-30
140-097-00	RESISTOR TF SMT	10K	5% R7 R10 R32
140-097-00	RESISTOR TF SMT *DO NOT STUFF*	10K	5% R16-18 R15
140-114-00	RESISTOR TF SMT	47K	5% R3 R5-6 R22
140-123-00	RESISTOR TF SMT	100K	5% R2 R12
140-123-00	RES TF SM .1W 5% 100K OHM	100K	5% R35
140-139-00	RESISTOR TF SMT	470K	5% R1
212-001-00	CAPACITOR CERAMIC SMT	0.01	10% C30-31
212-003-00	CER 100PF 5% 50V NPO SM	100PF	5% C46 C49
212-005-00	CAPACITOR CERAMIC SMT	20PF	5% C2 C6
212-007-00	CAPACITOR CERAMIC SMT	0.047	5% C18
212-016-00	CER 1000PF 5% 50 V NPO SM	1000PF	5% C42-45 C47-48 C50-56
212-023-00	CAPACITOR CERAMIC SMT	0.001	10% C7-8 C36
212-024-00	CER 1UF 25V Y5V 1206	1UF	-400 C10-11 C15 C34
212-027-00	CAPACITOR CERAMIC SMT	.1UF	10% C1 C3-4 C12 C14 C16-17 C20 C24-25 C27 C29 C32-33 C38
212-029-00	CAPACITOR CERAMIC SMT	270PF	5% C22-23
212-032-00	CAPACITOR CERAMIC X7RSMT	2200PF	10% C35 C37 C39-41
220-011-00	LYT 100UF 20% 25V RAD	100UF	10% C5
223-003-00	LYT 22UF 20% 6.3V SM	22UF	20% C9
223-004-00	LYT 10UF 20% 16V SM	10UF	20% C13 C19 C21 C26 C28
300-003-00	DIODE SIGNAL SMD	DL4148	D1-4
315-017-00	CRYSTAL, 24.576 MHZ	24.576	Y1
325-027-03	IC, SMD, DUAL D F/F	74HC74A	U6
325-071-03	IC, HEX, INV, SMD	74HCU04	U1
329-042-03	IC, AD1819 QFP	AD1819	U3
329-047-03	IC, 32KX8 SRAM 20nS	7C256-20	U4-5
400-280-00	HDR, SKT, 16P, .1X1 STR	1.75	J1
450-192-00	PCB, LC EFFECTS		Z1
601-009-00	FERRITE BEAD, SMT	Z=1000	FB1-3
601-010-00	FERRITE SMT POWER	Z=73	FB5

055-241-00 REV A, Master board

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS	
040-137-00	CBL ASSY, 18GA 1010 GRN/YEL 9"		E2	
	LUG/AMP IN			
130-002-02	POT RTY 50KB 9MM MNO HTN	50KB	R47 R55 R59 R126 R135 R139 R209 R220 R224 R285 R294 R298	
130-003-02	POT RTY 50KG 9MM MN TN PAN	50KG	R32-33 R38-39 R63 R112-113 R118-119 R143 R195-196 R201-202 R228 R273-274 R279-280 R304 R332-333 R340-341 R387 R429-430 R438-439 R492 R525-526 R531 R535 R617 R621	
130-022-02	RESISTOR POT 9MM HORIZ	10KB	R545 R629	
130-030-02	RESISTOR POT 9MM HORIZ	5KZY	R15 R95 R180 R260	
130-031-00	POT SLD 10KD 60MM MONO	10KD	R74 R154 R239 R316 R562 R569 R648 R713	
130-032-00	POT SLD 50KD 60MM DUAL	50KD	R398 R503 R861	
130-061-02	POT 50KG 12MM DUAL WO SLV	50KG	R320 R350 R360-361 R374 R417 R450 R464-465 R481 R539 R744 R748 R753 R759	
130-064-02	POT 500KC 12MM DUL WO SLV	500KC	R56 R136 R221 R295	
130-075-00	POT SLD 50KW 30MM PANA	50KW	R603 R605 R664-665 R669 R729 R732 R735 R825	
140-032-00	RESISTOR CF	20	5%	R848
140-037-00	RESISTOR CF	33	5%	R847
140-049-00	RESISTOR TF SMT	100	5%	R624
140-051-00	RES TF SM .1W 5% 120 OHM	120	5%	R407 R409 R412 R415 R514 R516 R576 R578 R652 R654 R786 R790 R846
140-057-00	RESISTOR CF	220	5%	R852-853 R857-860
140-061-00	RESISTOR CF	330	5%	R842 R844
140-064-00	RES TF SM .1W 5% 430 OHM	430	5%	R765
140-065-00	RESISTOR CF	470	5%	R841 R843 R845
140-066-00	RES TF SM .1W 5% 510 OHM	510	5%	R35 R37 R40-41 R70-73 R115 R117 R121 R132 R150-153 R198 R200 R204 R215 R235-238 R276 R278 R282 R291 R312-315 R336-337 R347 R356 R394-397 R433-434 R445 R456 R499-502 R618 R675 R840 R850-851
140-068-00	RESISTOR CF	620	5%	R839
140-073-00	RES TF SM .1W 5% 1K0 OHM	1K0	5%	R10 R13 R53-54 R60 R62 R85 R88 R133-134 R140 R142 R170 R173 R216-217 R225 R227 R255 R258 R292-293 R299 R301 R351-354 R365-368 R370-372 R376 R378-381 R451-454 R461-462 R469-472 R474-476 R479-480 R483-487 R494 R534 R552 R623
140-074-00	RESISTOR CF	1K1	5%	R574-575
140-076-00	RESISTOR CF	1K3	5%	R838
140-077-00	RESISTOR TF SMT	1K5	5%	R548 R628
140-079-00	RES TF SM .1W 5% 1K8 OHM	1K8	5%	R568 R572 R647 R650
140-080-00	RES TF SM .1W 5% 2K0 OHM	2K	5%	R23 R103 R187 R265 R622 R747 R834 R837
140-083-00	RESISTOR TF SMT	2K7	5%	R547 R627
140-084-00	RESISTOR TF SMT	3K0	5%	R5-6 R9 R12 R80-81 R84 R87 R165-166 R169 R172 R250-251 R254 R257
140-085-00	RES TF SM .1W 5% 3K3 OHM	3K3	5%	R691-692
140-086-00	RES TF SM .1W 5% 3K6 OHM	3K6	5%	R327 R329 R421 R423
140-087-00	RESISTOR CF	3K9	5%	R51 R61 R131 R141 R214 R226 R290 R300 R303 R382-384 R386 R488 R490-491 R836
140-088-00	RES TF SM .1W 5% 4.3K	4K3	5%	R556-557 R636-637 R701-702 R766-767

MACKIE CFX SERVICE MANUAL

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
140-089-00	RES TF SM .1W 5% 4K7 0 OHM	4K7	5% R29 R64-69 R109 R144-149 R182-183 R229-234 R305-311 R388-393 R493 R495-498
140-090-00	RES TF SM .1W 5% 5K1 0 OHM	5K1	5% R20 R34 R36 R42-43 R57-58 R100 R114 R116 R120 R122 R137-138 R156 R158 R184 R194 R197 R199 R203 R205 R222-223 R241 R245 R275 R277 R281 R283 R296-297 R334-335 R338-339 R342-346 R348-349 R355 R400 R404 R431-432 R435-436 R440-444 R446-447 R455 R505 R509 R522 R529 R533 R538 R553-554 R563 R642 R707 R770 R776-777
140-091-00	RESISTOR CF	5K6	5% R835
140-094-00	RES TF SM .1W 5% 7K5 0 OHM	7K5	5% R50 R130 R213 R289 R358-359 R459-460 R558 R638 R693 R698 R703 R768 R854 R868
140-097-00	RES TF SM .1W 5% 10K 0 OHM	10K	5% R44-45 R75 R123-124 R160 R206-207 R218-219 R244 R317 R448 R458 R540-541 R543-544 R549 R555 R559-561 R567 R580 R583-584 R586-588 R590-591 R597-599 R601 R609 R612-613 R615-616 R619-620 R625-626 R633-635 R639-641 R646 R657-658 R672-673 R676-677 R686-687 R694-696 R699-700 R704-706 R709 R711 R714 R718-719 R722 R739-740 R743 R754 R764 R769 R771-773 R782 R784 R789 R793-795 R797 R799 R812 R814 R817-823 R826 R828 R833 R849 R869 R872 R875 R877
140-098-00	RES TF SM .1W 5% 11K 0 OHM	11K	5% R155 R157 R240 R243 R399 R403 R504 R508 R565 R570 R644 R649
140-101-00	RES TF SM .1W 5% 15K 0 OHM	15K	5% R159 R161 R242 R246 R377 R463 R478 R489 R571 R573 R651 R716
140-104-00	RES TF SM .1W 5% 20K 0 OHM	20K	5% R30 R46 R91 R110 R125 R176 R208 R284 R542 R546 R874 R876
140-105-00	RESISTOR TF SMT	22K	5% R537
140-108-00	RESISTOR TF SMT	27K	5% R11 R86 R171 R256
140-109-00	RES TF SM .1W 5% 30K 0 OHM	30K	5% R262 R272 R323 R325 R328 R331 R405-406 R419 R422 R425 R427 R437 R449 R510-511 R518 R521 R527 R536 R680-681 R688-690 R697 R749-750 R755-756 R760-761
140-111-00	RES TF SM .1W 5% 36K 0 OHM	36K	5% R25 R105 R189 R267 R678-679 R682-683
140-112-00	RES TF SM .1W 5% 39K 0 OHM	39K	5% R870-871
140-114-00	RES TF SM .1W 5% 47K 0 OHM	47K	5% R48-49 R127-128 R210-211 R286-287 R302 R357 R364 R375 R385 R457 R468 R482
140-119-00	RES TF SM .1W 5% 75K	75K	5% R362-363 R369 R373 R466-467 R473 R477
140-123-00	RES TF SM .1W 5% 100K 0 OHM	100K	5% R3-4 R17 R27 R31 R52 R78-79 R89 R94 R97 R107 R111 R129 R164 R174 R179 R191 R193 R212 R249 R269 R271 R288 R318-319 R321-322 R324 R326 R330 R411 R414 R418 R420 R424 R512-513 R519-520 R528 R532 R550-551 R564 R566 R630-632 R643 R645 R708 R710 R751-752 R757-758 R762 R774 R778 R785 R787 R791 R810-811 R855-856 R862-863
140-130-00	RES TF SM .1W 5% 200K 0 OHM	200K	5% R401-402 R506-507 R796 R798

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
141-051-00	RES TF SM .25W 5% 120 OHM	120	5% R28 R108 R192 R270 R408 R410 R413 R416 R515 R517 R577 R579 R653 R655 R763 R775 R779-781 R783 R788 R792 R800-809 R865-866
145-066-00	RES MF SM .1W 1% 4.75 OHM	4.75	1% R16 R96 R181 R261
145-279-00	RES MF SM .1W 787 OHM	787	1% R596 R608
145-288-00	RESISTOR MF SMT	976	1% R723 R730
145-296-00	RESISTOR MF SMT	1K18	1% R816 R831
145-307-00	RESISTOR MF SMT	1K54	1% R593 R604
145-317-00	RESISTOR MF SMT	1K96	1% R663 R670
145-330-00	RES MF SM .1W 1% 2K43 OHM	2K43	1% R684-685 R745-746
145-330-00	RESISTOR MF SMT	2K43	1% R727 R736
145-339-00	RESISTOR MF SMT	3K01	1% R14 R90 R175 R259 R592 R602
145-341-00	RES MF SM .1W 1% 3K16 OHM	3K16	1% R426
145-346-00	RES MF SM .1W 1% 3K57 OHM	3K57	1% R19 R93 R99 R178
145-350-00	RESISTOR MF SMT	3K92	1% R660 R666
145-352-00	RES MF SM .1W 1% 4K12 OHM	4K12	1% R18 R92 R98 R177
145-356-00	RES MF SM .1W 1% 4K53 OHM	4K53	1% R712 R715
145-358-00	RESISTOR MF SMT	4K75	1% R726 R734
145-368-00	RESISTOR MF SMT	6K04	1% R595 R607
145-373-00	RES MF SM .1W 1% 6K81 OHM	6K81	1% R428
145-377-00	RESISTOR TF SMT	7K50	1% R724 R731
145-388-00	RESISTOR MF SMT	9K76	1% R815 R832 R864 R867 R873
145-389-00	RES MF SM .1W 1% 10K0 OHM	10K0	1% R21-22 R24 R26 R101-102 R104 R106 R185-186 R188 R190 R263-264 R266 R268
145-397-00	RESISTOR MF SMT	12K1	1% R585 R594 R606 R614
145-406-00	RESISTOR MF SMT	15K0	1% R662 R668 R717 R738
145-416-00	RESISTOR MF SMT	19K1	1% R728 R737
145-417-00	RESISTOR MF SMT	19K6	1% R813 R830
145-418-00	RES MF SM .1W 1% 20K0 OHM	20K0	1% R7-8 R82-83 R167-168 R252-253
145-426-00	RESISTOR MF SMT	24K3	1% R582 R589 R600 R611
145-435-00	RESISTOR MF SMT	30K1	1% R659 R661 R667 R674
145-445-00	RESISTOR MF SMT	38K3	1% R721 R725 R733 R742
145-455-00	RESISTOR MF SMT	48K7	1% R581 R610
145-456-00	RES MF SM .1W 1% 49K9 OHM	49K9	1% R523-524 R530 R824 R827 R829
145-464-00	RESISTOR MF SMT	60K4	1% R656 R671
145-474-00	RESISTOR MF SMT	76K8	1% R720 R741
146-373-00	RES MF SM .25W 1% 6K81 OHM	6K81	1% R1-2 R76-77 R162-163 R247-248
200-010-02	PLY .0018UF 10% 100V TR	0.0018	2.00% C34 C75 C121 C163 C192-193 C234-235
200-011-02	CAPACITOR MYLAR T&R	0.0022	2.50% C409-412 C420-423 C467-468 C480-481
200-013-02	PLY .0082UF 10% 100V TR	0.0082	2.00% C195-198 C236-237 C241-242
200-014-02	PLY .0033UF 10% 100V TR	0.0033	2.50% C35-36 C76-77 C123-124 C164-165
200-025-02	PLY/BX .56UF 5% 63V TR	0.56	C39 C80 C127 C168 C171 C203 C210 C249
200-029-02	CAPACITOR MYLAR T&R	0.22	10% C316-319 C330-333 C354-355 C367-368 C500-501 C505
200-031-02	PLY .022UF 2% 50V TR	0.022	5% C199-200 C204-205 C243-244 C250-251 C356-359 C369-372 C407-408 C418-419
212-001-00	CER .01UF 10% 50V X7R SM	0.01	10% C14 C17-18 C20 C24 C29 C31 C54 C57 C59 C61 C65 C70 C72 C82 C85 C99 C102-103 C105-106 C110 C115-116 C118 C122 C130-131 C147 C150 C154 C160 C230 C238 C265 C272-273 C277-280 C291-292 C320 C322-325 C328-329 C360-366 C373 C376 C413-417 C471-474 C478-479 C482-483 C488 C509-510 C516-517

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PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
212-003-00	CER 100PF 5% 50V NPO SM	100PF 5%	C334 C338
212-004-00	CER 220PF 5% 50V NPO SM	220PF 5%	C5 C45 C90 C138
212-005-00	CER 20PF 5% 50V NPO SM	20PF 5%	C81 C83 C129 C132 C180 C184 C188 C212 C215 C224 C255 C258 C264 C266 C275 C282 C290 C303 C309 C313 C340 C342 C348 C351 C374-375 C378-380 C384-385 C391-393 C399 C402 C440
212-006-00	CAPACITOR CERAMIC SMT	470PF 5%	C2 C4 C6 C11 C42 C44 C46 C51 C87 C89 C91 C96 C135 C137 C139 C144
212-007-00	CER .047UF 20% 50V Z5U SM	0.047 20%	C513
212-009-00	CER 47PF 5% 50V NPO SM	47PF 5%	C12-13 C52-53 C97-98 C145-146 C228-229 C231-232 C308 C347 C398 C441 C444-445 C450 C454 C457 C460 C504 C506
212-010-00	CAPACITOR CERAMIC SMT	.1UF -400	C19 C58 C60 C104 C170 C182-183 C202 C207 C214 C217 C222-223 C239-240 C245-246 C248 C257 C260 C285 C287 C295 C297 C300-302 C304-305 C310 C314 C336-337 C339 C343-344 C349 C352 C377 C381-383 C386-389 C394-395 C400 C403 C442-443 C447-448 C452 C455 C458 C461 C463-464 C485 C489-493 C496-497 C507-508 C514-515
212-015-00	CAPACITOR CERAMIC SMT	33PF 5%	C288 C293
212-018-00	CER 10PF 5% 50V NPO SM	10PF 5%	C32 C73 C119 C161 C169 C201 C206 C247
212-019-00	CAPACITOR CERAMIC SMT	150PF 5%	C10 C15 C21 C23 C50 C55 C62 C64 C95 C100 C107 C109 C143 C148 C151 C153
212-021-00	CAPACITOR CERAMIC SMT	27 pF	C270-271 C276 C321 C326-327 C469-470 C475-477 C484
212-023-00	CAPACITOR CERAMIC SMT	0.001 10%	C9 C49 C94 C142 C175 C220
220-002-02	LYT 47UF 20% 25V RAD TR	47UF 20%	C3 C8 C26 C28 C30 C33 C37-38 C40 C43 C48 C67 C69 C71 C74 C78-79 C84 C88 C93 C112 C114 C117 C120 C125-126 C128 C133 C136 C141 C156 C158-159 C162 C166-167 C172-174 C176-179 C181 C185-187 C189-191 C194 C208-209 C211 C213 C216 C218-219 C221 C225-227 C233 C252-254 C256 C259 C261-263 C267-269 C274 C281 C283-284 C286 C289 C294 C296 C306-307 C311-312 C315 C335 C341 C345-346 C350 C353 C390 C396-397 C401 C404-406 C424-439 C446 C449 C451 C453 C456 C459 C462 C465-466 C486-487 C494-495 C498-499 C502-503 C511-512
220-003-02	LYT 47UF 20% 50V RAD TR	47UF 10%	C1 C7 C41 C47 C86 C92 C134 C140
220-004-02	CAPACITOR LYTIC RADIAL T&R	470UF 10%	C16 C56 C101 C149
220-008-02	LYT 1UF 20% 50V RAD TR	1UF 10%	C298-299
220-013-02	LYT .22UF 20% 50V RAD TR	.22UF 10%	C22 C25 C27 C63 C66 C68 C108 C111 C113 C152 C155 C157

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
300-003-00	DIODE SIGNAL SMD	DL4148	D24-25 D54-59
301-004-00	DIOPWR DL4002 SM	DL4002	D1-4 D6-9 D11-14 D16-19
302-010-03	DIODZEN DL5232B 5.6V SM	DL5232	D22-23
304-002-00	LED RED T1-3/4 W FLASHER	RED	D53
304-027-02	LED RED W/.425 SPACER TR	RED	D21 D26 D28 D40-41
304-028-02	LED YEL W/.425 SPACER TR	YEL	D5 D10 D15 D20 D27 D29 D42
304-029-02	LED GRN W/.425 SPACER TR	GRN	D30-39 D43-52
310-002-02	XSTR PNP 2N4403 T/A	2N4403	Q12-13
311-001-00	XSTR NPN IMBT4401 SM	IMBT4401	Q9-11
311-002-00	X-SISTOR PNP SMD	IMBT4403	Q1-8
320-011-00	I.C. LINEAR	NJM 4560	U60-61
320-012-00	OPAMP NJM4560M	NJM4560M	U1 U3-5 U7-31 U33-34 U36-39 U41-59 U62-65 U72-77
323-002-00	I.C. QUAD COMPARATORSMD	LM339	U2 U6 U66-71
325-086-03	IC, ANALOG MUX/DEMUX	74HC4053	U32 U35 U40
400-022-00	CONNECTOR JACK QUAD RCA HORIZ		J25
400-041-00	CONNECTOR XLR PC MTG VERT MALE		J39-41
400-048-00	HDR 7P .156X1 RTA		J44
400-214-00	JACK 1/4 V PCMNT 1MM WASH		J2-3 J7-8 J10-11 J13-24 J26-33 J35-38 J42-43
400-223-00	CONNECTOR XLR PC MTG VERT FML		J1 J6 J9 J12
400-349-00	HDR SKT BOT ENTRY 14P .100X1		J4-5
450-241-00	PCB, CFX: MAIN		Z2
500-037-00	SWITCH 2PDT PUSH V SNAPIN	2P2T	SW1-46
500-045-00	SW ROT ENCODER 15.5MM 4BIT		S1
601-010-00	FERRITE BEAD, SMT	Z=73	L1
620-042-00	CBL FLEX STRIP 16C .1X1 4IN		J34
660-002-00	JUMPER WIRE 24GA T&R		Z1 Z5-7 Z50 Z901
660-002-00	JUMPER WIRE 24GA T&R		JP1-76
706-009-00	SPACER, NYLON, LED .385		Z8
706-033-01	STDF SWAGE NO.4 X .542L F		H1-21
706-038-00	STDF NO.4 X .250L		H22-24
760-107-00	BTN 2 COLOR 9X5MM		B1-2 B4-8 B10-14 B16-20 B22-25 B27-30 B32-46
760-108-00	BTN 2 COLOR 9X9MM		B3 B9 B15 B21 B26 B31

550-242-00 REV A, Slave 4 board

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
130-002-02	POT RTY 50KB 9MM MNO H TN	50KB	R47 R55 R59 R126 R135 R139 R209 R220 R224 R285 R294 R298
130-003-02	POTRTY 50KG 9MM MN TN PAN	50KG	R32-33 R38-39 R63 R112-113 R118-119 R143 R195-196 R201-202 R228 R273-274 R279-280 R304
130-030-02	RESISTOR POT 9MM HORIZ	5KZY	R15 R95 R180 R260
130-031-00	POT SLD 10KD 60MM MONO	10KD	R74 R154 R239 R316
130-064-02	POT 500KC 12MM DUL WO SLV	500KC	R56 R136 R221 R295
140-066-00	RES TF SM .1W 5% 510 OHM	510 5%	R35 R37 R40-41 R70-73 R115 R117 R121 R132 R150-153 R198 R200 R204 R215 R235-238 R276 R278 R282 R291 R312-315
140-073-00	RES TF SM .1W 5% 1K0 OHM	1K0 5%	R10 R13 R53-54 R60 R62 R85 R88 R133-134 R140 R142 R170 R173 R216-217 R225 R227 R255 R258 R292-293 R299 R301
140-080-00	RES TF SM .1W 5% 2K0 OHM	2K 5%	R23 R103 R187 R265
140-084-00	RESISTOR TF SMT	3K0 5%	R5-6 R9 R12 R80-81 R84 R87 R165-166 R169 R172 R250-251 R254 R257
140-087-00	RESISTOR CF	3K9 5%	R51 R61 R131 R141 R214 R226 R290 R300
140-089-00	RES TF SM .1W 5% 4K7 OHM	4K7 5%	R29 R64-69 R109 R144-149 R182-183 R229-234 R305-306 R308-311
140-090-00	RES TF SM .1W 5% 5K1 OHM	5K1 5%	R20 R34 R36 R42-43 R57-58 R100 R114 R116 R120 R122 R137-138 R156 R158 R184 R194 R197 R199 R203 R205 R222-223 R241 R245 R275 R277 R281 R283 R296-297
140-094-00	RES TF SM .1W 5% 7K5 OHM	7K5 5%	R50 R130 R213 R289
140-097-00	RES TF SM .1W 5% 10K OHM	10K 5%	R44-45 R75 R123-124 R160 R206-207 R218-219 R244 R317
140-098-00	RES TF SM .1W 5% 11K OHM	11K 5%	R155 R157 R240 R243
140-101-00	RES TF SM .1W 5% 15K OHM	15K 5%	R159 R161 R242 R246
140-104-00	RES TF SM .1W 5% 20K OHM	20K 5%	R30 R46 R91 R110 R125 R176 R208 R284
140-108-00	RESISTOR TF SMT	27K 5%	R11 R86 R171 R256
140-111-00	RES TF SM .1W 5% 36K OHM	36K 5%	R25 R105 R189 R267
140-114-00	RES TF SM .1W 5% 47K OHM	47K 5%	R48-49 R127-128 R210-211 R286-287
140-123-00	RES TF SM .1W 5% 100K OHM	100K 5%	R3-4 R17 R27 R31 R52 R78-79 R89 R94 R97 R107 R111 R129 R164 R174 R179 R191 R193 R212 R249 R269 R271 R288
141-051-00	RES TF SM .25W 5% 120 OHM	120 5%	R28 R108 R192 R270
145-066-00	RES MF SM .1W 1% 4.75 OHM	4.75 1%	R16 R96 R181 R261
145-339-00	RESISTOR MF SMT	3K01 1%	R14 R90 R175 R259
145-346-00	RES MF SM .1W 1% 3K57 OHM	3K57 1%	R19 R93 R99 R178
145-352-00	RES MF SM .1W 1% 4K12 OHM	4K12 1%	R18 R92 R98 R177
145-389-00	RES MF SM .1W 1% 10K0 OHM	10K0 1%	R21-22 R24 R26 R101-102 R104 R106 R185-186 R188 R190 R263-264 R266 R268
145-418-00	RES MF SM .1W 1% 20K0 OHM	20K0 1%	R7-8 R82-83 R167-168 R252-253
146-373-00	RES MF SM .25W 1% 6K81 OHM	6K81 1%	R1-2 R76-77 R162-163 R247-248
200-010-02	PLY .0018UF 10% 100V TR	0.0018 2.00%	C34 C75 C121 C163
200-014-02	PLY .0033UF 10% 100V TR	0.0033 2.50%	C35-36 C76-77 C123-124 C164-165
200-025-02	PLY/BX .56UF 5% 63V TR	0.56	C39 C80 C127 C168
212-001-00	CER .01UF 10% 50V X7R SM	0.01 10%	C14 C17-18 C20 C24 C29 C31 C54 C57 C59 C61 C65 C70 C72 C82 C85 C99 C102-103 C105-106 C110 C115-116 C118 C122 C130-131 C147 C150 C154 C160
212-004-00	CER 220PF 5% 50V NPO SM	220PF 5%	C5 C45 C90 C138
212-005-00	CER 20PF 5% 50V NPO SM	20PF 5%	C81 C83 C129 C132

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
212-006-00	CAPACITOR CERAMIC SMT	470PF 5%	C2 C4 C6 C11 C42 C44 C46 C51 C87 C89 C91 C96 C135 C137 C139 C144
212-009-00	CER 47PF 5% 50V NPO SM	47PF 5%	C12-13 C52-53 C97-98 C145-146
212-010-00	CAPACITOR CERAMIC SMT	.1UF -.400	C19 C58 C60 C104
212-018-00	CER 10PF 5% 50V NPO SM	10PF 5%	C32 C73 C119 C161
212-019-00	CAPACITOR CERAMIC SMT	150PF 5%	C10 C15 C21 C23 C50 C55 C62 C64 C95 C100 C107 C109 C143 C148 C151 C153
212-023-00	CAPACITOR CERAMIC SMT	0.001 10%	C9 C49 C94 C142
220-002-02	LYT 47UF 20% 25V RAD TR	47UF 20%	C3 C8 C26 C28 C30 C33 C37-38 C40 C43 C48 C67 C69 C71 C74 C78-79 C84 C88 C93 C112 C114 C117 C120 C125-126 C128 C133 C136 C141 C156 C158-159 C162 C166-167 C169-170
220-003-02	LYT 47UF 20% 50V RAD TR	47UF 10%	C1 C7 C41 C47 C86 C92 C134 C140
220-004-02	CAPACITOR LYTIC RADIAL T&R	470UF 10%	C16 C56 C101 C149
220-013-02	LYT .22UF 20% 50V RAD TR	.22UF 10%	C22 C25 C27 C63 C66 C68 C108 C111 C113 C152 C155 C157
301-004-00	DIO PWR DL4002 SM	DL4002	D1-4 D6-9 D11-14 D16-19
304-028-02	LED YEL W/.425 SPA CER TR	YEL	D5 D10 D15 D20
311-002-00	X-SISTOR PNP SMD	IMBT4403	Q1-8
320-012-00	OPAMP NJM4560M	NJM4560M	U1 U3-5 U7-16
323-002-00	I.C. QUAD COMPARATORSMD	LM339	U2 U6
400-214-00	JACK 1/4 V PC MNT 1MM WASH		J2-3 J7-8 J10-11 J13-14
400-223-00	CONNECTOR XLR PC MTG VERT FML		J1 J6 J9 J12
400-349-00	HDR SKT BOT ENTRY 14P .100X1		J4-5 J15-16
450-242-00	PCB, CFX: CHANNEL		Z1
500-037-00	SWITCH 2PDT PUSH V SNAPIN	2P2T	SW1-24
660-002-00	JUMPER WIRE 24GA T&R		JP1-31
706-033-01	STDF SWAGE NO.4 X .542L F		H1-10
760-107-00	BTN 2 COLOR 9X5MM		Z2-17 Z22-25
760-108-00	BTN 2 COLOR 9X9MM		Z18-21

550-258-00 REV B, Power Supply

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
100-028-00	RESISTOR CF	130 5%	R1 R4
100-031-00	RESISTOR CF	180 5%	R8
100-057-00	RESISTOR CF	2K2 5%	R2 R5
100-064-00	RESISTOR CF	4K3 5%	R3 R6
110-080-00	RESISTOR CF	20K 5%	R7
121-093-00	RESISTOR MF	6K8 5%	R9
211-001-00	CAPACITOR CERAMIC	0.01 -400	C5 C11 C15
211-010-00	CER .01UF +80/-20% 50V AX	0.01 -400	C16
220-002-02	CAPACITOR LYTIC RADIAL TAPE	47UF 10%	C14
220-007-00	CAPACITOR LYTIC RADIAL	100UF 10%	C18
220-011-02	LYT 100UF 20% 25V RAD	100UF 10%	C6 C13
220-012-02	CAPACITOR LYTIC RADIAL TAPE	4.7UF 10%	C19
220-023-00	CAPACITOR LYTIC RADIAL	6,800UF 10%	C8-9 C12
220-026-00	CAPACITOR LYTIC RADIAL	1,000UF 10%	C17
220-027-02	CAPACITOR LYTIC RADIAL TAPE	10UF 10%	C7 C10
301-001-00	DIO PWR 1N4002	1N4002	D1-7 D12-21
301-003-00	DIODE POWER	1N5401	D8-11
321-003-00	I.C. LINEAR POS 3 TERM VOLTAGE LM 7805		U3
	REGULATOR		
321-008-00	I.C. ADJ POS 3 TERM VOLTAGE	LM317T	U1 U4
	REGULATOR		
321-009-00	I.C. ADJ NEG 3 TERM VOLTAGE	LM337T	U2
	REGULATOR		
400-060-00	FUSE CLIP PC MT 5MM DIA	NULL	Z8-9
400-093-00	HDR 7P .156X1 LOCKING		J2
400-173-00	TERM .25 QKDS PC MT STABLE		J3
400-348-00	TERM Q DISC .187 MALE PC MT		J4
400-350-00	HDR 9P .156X1 STR LOCK		J1
450-258-00	PCB, CFX POWER SUPPLY		Z18
510-002-00	FUSE .5A SLO BLO 5 X 20MM	.5A	F1



550-260-00 REV A, AC Power Input

PART NO.	DESCRIPTION	VALUE	REFERENCE DESIGNATORS
040-135-00	CBL ASSY 18G A 1010 GRN/YEL 9"		P10
200-023-00	PLY/BX .001uF 20% 250V Y2	.001uF 20%	C1-2
200-024-00	PLY/BX .01uF 20% 250V Y2	.01uF 20%	C3
400-060-00	FUSE CLIP PC MT 5MM DIA		Z2-3
400-132-00	IEC MALE RTA PC MT		J1
400-173-00	TERM .25 QKDS PC MT STABLE		P2 P9
450-260-00	PCB, CFX AC POWER INPUT		Z1
500-052-00	SW SPST PWR ROCKER RTA BLK		SW1
712-020-00	BRKT ANG 6-32X.037THK STL		BKT1
712-021-01	RIVET, CL END .125"		Z6-7

