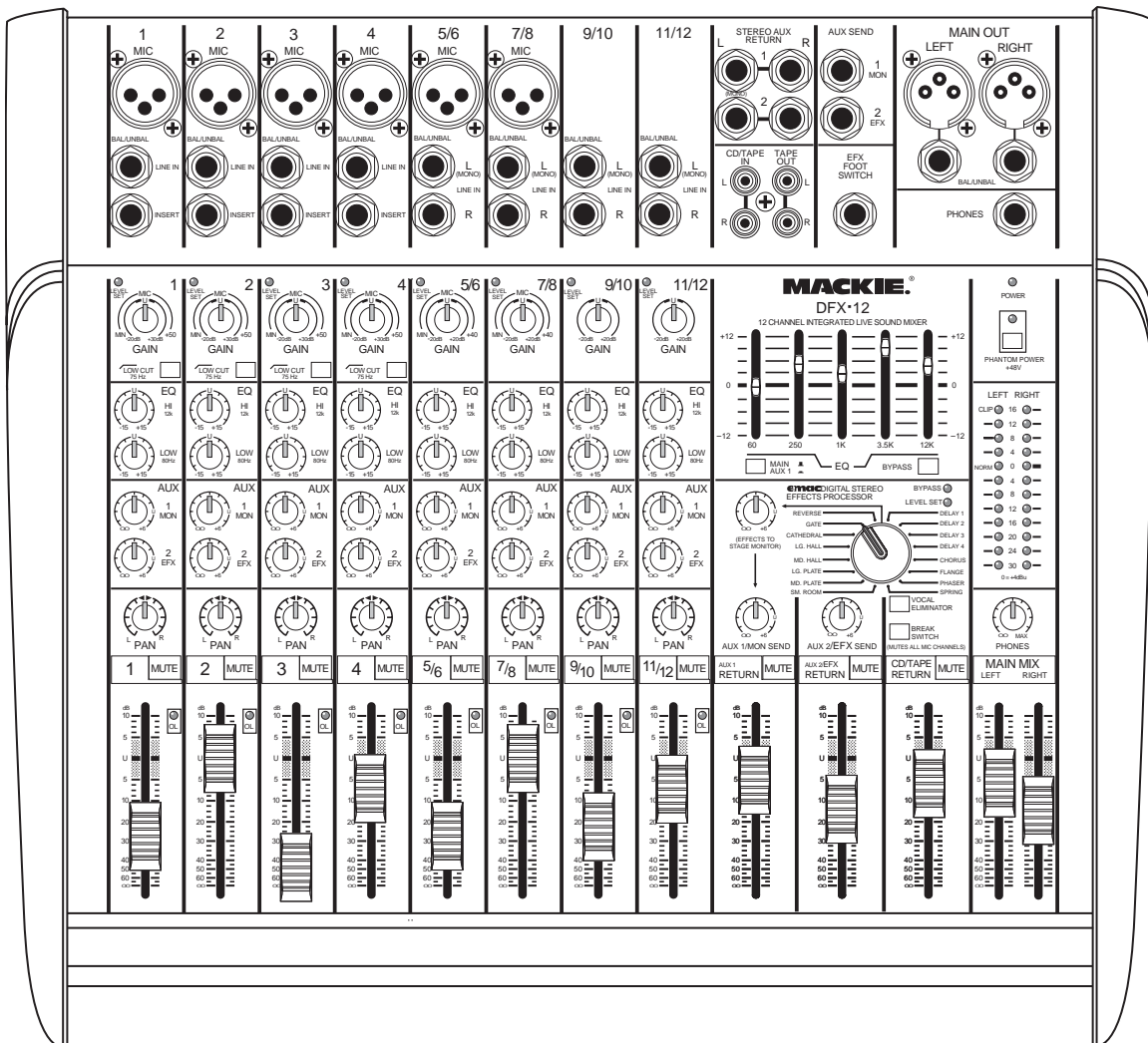


DFX 12 Parts List



PART #	REV	DESCRIPTION	PAGE
000090-90	A07	DFX 12 - LOW COST FINAL ASSEMBLY	2
000175-01	A02	PCB ASSEMBLY: DFX POWER SUPPLY	3
055-192-00-01	C11	PCB ASSEMBLY LC EFFECTS-POWER MIXER	5
050-192-00-01	C11	PCB AUTO LC EFFECTS - POWER MIXER	5
055-396-01	B03	PCB ASSEMBLY: DFX 12 MAIN	6



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



0000090-90 REV A07 DFX 12 - LOW COST FINAL ASSEMBLY

PART#	REV	DESCRIPTION	QTY	NOTES
0000145	A00	SIDE LEFT DFX	1	
0000146	A00	SIDE RIGHT DFX	1	
0000175-01	A02	PCB ASSEMBLY: DFX POWER SUPPLY	1	SEE NEXT PAGE
0000206	A00	END CHEEK LEFT DFX	1	
0000207	A00	END CHEEK RIGHT DFX	1	
0000241	A00	LIP SEAL TMX-12	1	
0000304	C00	BOX CMPT DFX 12	1	
0000306	A00	FOAM SET DFX	1	
0013372	A00	15 POS FLAT FLEX 1MM	4	
0013373	A00	20POS FLAT FLEX 1MM	2	
0000645	A00	COVER BOTTOM POWER SUPPLY DFX	1	
055-192-00-01	C11	PCB ASSEMBLY LC EFFECTS-POWER MIXER	1	SEE PAGE 5
0000658	A00	SCREW TF PAN PH M3X6MM BLKOX STEEL	35	
0006193	A00	NOMEX DFX .01 IN THK	1	
040-306-00	A01	CABLE ASSEMBLY 24GA 12P .098 12	1	
055-396-01	B03	PCB ASSEMBLY: DFX 12	1	SEE PAGE 6
550-689-00	A00	CHASSIS DFX-12	1	
550-690-00	B00	BACK DFX-12	1	
550-691-00	A00	BOTTOM DFX-12	1	
551-112-01	A00	ARMREST	1	
620-042-00	A	CABLE FLAT 16C W/TABS .1 4.0	1	
 640-001-00	D	LINECORD IEC SJT 10A/125V 6FT	1	LINECORD USA
700-011-00	A	MCH 4-40X1/4 BTNSKT BLKOX	18	
700-028-00	B	SEMS 6-32X1/4 PHP BLKZC	3	
701-016-00	A	5-20X5/16 PHPII TYP B BLACK	17	
705-003-00	B	NUT HEX-SPLD W/400-214-00	26	
705-021-00	B	NUT CAP 1/2 DIA OD STLZC	4	
710-002-00	B	WASHER-SPLD W/400-214-00	26	
750-001-00	A	BUMPON ROUND BLACK .63X.31	4	
760-037-01	C00	KNOB SLIDER 10X25MM MLDLIN	9	
760-037-02	C00	KNOB SLIDER 11X24 RED 210	2	
760-037-03	C00	KNOB SLIDER 11X24 BLUE	2	
760-048-01	B	KNOB 9MM LIGHT GRAY	10	
760-048-02	B	KNOB 9MM MAGENTA	18	
760-048-03	B	KNOB 9MM BLUE/GRAY	16	
760-048-04	B	KNOB 9MM DARK GRAY	8	
760-091-00	B00	KNOB MASTER VOLUME	1	
790-002-00	A	BAG POLY 12 X 18 2MIL	1	
790-027-00	A	BAG POLY 20X7X36 4MIL GUS	1	
0000657	A00	SCREW TF PAN PH M3 X 20 BLKOX STEEL	6	
 640-002-01	B	LINECORD EUROPE 10A 250V 6FT 7IN	1	LINECORD EUROPE



0000175-01 REV A02 PCB ASSEMBLY: DFX POWER SUPPLY

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
⚠ 0000172	A01	XFMR DFX	1	T1
0000176-00	A00	PCB DFX POWER SUPPLY	1	Z1
⚠ 0000641	B00	HEATSINK DFX POWER SUPPLY	1	HSQ1
0000656	A00	XSTR FET N-CH 3.4A 2SK2662	1	Q1
0000659	A00	NUT HEX KEP M3	4	Z25, Z27, Z29, Z31
101-017-00	A	RES CF .125W 5% 4.7 OHM	1	R3
110-097-00	A	RES CF .25W 5% 100K OHM	2	R1, R2
140-009-00	A	RES TF SM .1W 5% 2.2 OHM	5	R20, R41, R43, R44, R45
140-025-00	A	RES TF SM .1W 5% 10 OHM	5	R15, R36, R37, R38, R39
140-033-00	A	RES TF SM .1W 5% 22 OHM	1	R19
140-041-00	A	RES TF SM .1W 5% 47 OHM	2	R27, R64
140-044-00	A	RES TF SM .1W 5% 62 OHM	6	R21, R22, R23, R24, R25, R63
140-049-00	A	RES TF SM .1W 5% 100 OHM	1	R70
140-057-00	A	RES TF SM .1W 5% 220 OHM	4	R26, R62, R65, R66
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	3	R14, R28, R111
140-081-00	A	RES TF SM .1W 5% 2K2 OHM	2	R16, R29
140-110-00	A	RES TF SM .1W 5% 33K OHM	12	R4, R5, R6, R7, R8, R9, R71, R72, R73, R74, R75, R76
140-123-00	A	RES TF SM .1W 5% 100K OHM	1	R68
140-152-00	A	RES TF SM .1W 5% 1M6 OHM	1	R12
145-381-00	B	RES MF SM .1W 1% 8K25 OHM	2	R11, R13
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	3	R31, R33, R35
145-459-00	B	RES MF SM .1W 1% 53K6 OHM	1	R10
145-479-00	B	RES MF SM .1W 1% 86K6 OHM	2	R30, R34
⚠ 150-037-00	A	RES FUS .25W 5% 33 OHM	1	R18
158-001-00	A	THMS NTC RAD	1	TH1
⚠ 200-024-00	B	PLY/BX .01UF 20% 250V Y2	2	C8, C9
⚠ 200-061-00	A00	PLY BOX .1UF 20% 275V X2	3	C3, C4, C11
210-022-02	A1	CER 56PF 5% 500V NPO T/R	1	C20
210-027-00	A1	CER 470PF 20% 250V Y2/X1	2	C1, C2
210-029-02	A00	CER 10PF NPO 500V TR	1	C19
212-001-00	B1	CER .01UF 10% 50V X7R SM	2	C7, C12
212-003-00	B1	CAPACITOR CERAMIC SMT	1	C24
212-023-00	B1	CER .001UF 10% 50V NPO SM	3	C18, C32, C37
212-025-00	D1	CAP CER .1UF 50V 10% X7R	17	C14, C16, C21, C27, C28, C29, C33, C38, C42, C43, C45, C46, C47, C48, C49, C50, C51
212-034-00	A1	CER .022UF 10% 100V X7R	1	C25
212-037-00	A1	CER 1000PF 2% 50V NPO SMT	1	C17
220-003-02	B	LYT 47UF 20% 50V RAD TR	1	C31
220-060-00	A1	LYT 100UF 20% 400V 25X30	1	C10
220-068-02	A1	LYT 100U 20% 35V 105C T/A	1	C15
220-070-02	A1	LYT 470U 20% 25V 105C T/A	7	C22, C34, C35, C36, C39, C40, C41
220-072-02	A1	LYT 47UF 20% 63V 105C T/R	1	C26
223-004-00	B1	LYT 10UF 20% 16V SM	1	C30

continued



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



Power Supply Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
223-007-00	A1	LYT 47UF 20% 6.3V SM	1	C23
300-010-00	A	DIODE SIG RLS245 220V 200MA	2	D5, D10
300-013-03	A	DIODE, SWITCH, DUAL, BAV70 SMT	1	D20
301-021-00	A	DIODE POWER DL4004 SM	1	D11
301-029-00	A	DIODE HI-EFF 3A 300V SM	3	D7, D12, D13
304-079-00	B	OPTO COUPLER POWER SUPPLY	1	U2
310-038-00	A1	XSTR PNP MJE350	1	Q4
311-001-00	B	XSTR NPN IMBT4401 SMT	1	Q6
311-005-00	E	XSTR NPN MMBTA06 SMT	2	Q5, Q8
 321-003-00	B	REG 7805 +5V	1	U3
324-008-03	A	PWM CONT UC3844A SMT	1	U1
 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	FC1, FC2
 400-132-00	A	IEC MALE RTA PCMT	1	J1
400-283-00	A	HDR 12P .098X1 SHRD RTA	1	J3
 500-064-00	A	POWER SWITCH DPST RTA 16A MICK	1	SW1
 510-015-00	B	FUSE SB 1.6A 5X20 250 IEC	1	F1
601-025-00	A	COMMON MODE CHOKE, EMI/RFI FILTER	1	L1
601-033-00	A	INDUCTOR 47UH 1.6A AXIAL	2	L2, L3
700-085-03	A	SCR PHP M3X8 STL BLACK ZINC	4	Z24, Z26, Z28, Z30
712-020-00	A	BRKT ANG 6-32X.037THK STL	3	BRKT1, BRKT2, BRKT3
712-021-01	B	RVT CL END .125X.062-.125	6	RVT1, RVT2, RVT3, RVT4, RVT5, RVT6
0001135	A00	DIODE ZENER MMSZ5243 13V SMT	2	D14, D16
301-014-02	A00	DIODE POWER 1N4007 TR	4	D1, D2, D3, D4
 200-064-00	A	PLY BOX .0033UF 250V Y2/X1	2	C5, C6
212-042-00	A1	CER 470PF 5% 50V NPO SM	1	C13



055-192-00-01 REV C11 PCB ASSEMBLY LC EFFECTS-POWER MIXER

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	PCB AUTO LC EFFECTS - POWER MIXER	1	SEE BELOW

050-192-00-01 REV C11 PCB AUTO LC EFFECTS - POWER MIXER

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	CAPACITOR CERAMIC SMT	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	A01	DIODE SIGNAL SMD	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 POWER MIXER	1	
601-009-00	A01	FERRITE BEAD, SMT	3	
601-010-00	A	FERRITE SMT POWER	1	
080-088-00	A	DSP PRGMD ADSP-2163	1	



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



055-396-01 REV B03 PCB ASSEMBLY: DFX 12 MAIN

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
0000163	A00	CAP PLY FLM 470PF 10% 50V RAD	2	C136, C143
0000164	A00	POLY-FILM 680PF 10% 50V T/A	2	C235, C254
0000165	A00	POLY-FILM 100PF 10% 50V T/A	3	C166, C171, C177
0000167	A00	CAP PLY FLM .0015UF 10% 50V RAD	2	C132, C139
0000168	A00	POLY-FILM .15UF 10% 50V BULK	6	C232, C239, C243, C247, C251, C256
0000169	A00	POLY-FILM .18UF 10% 50V BULK	1	C250
0008793-01	E00	SMALL RECTANGLE BUTTON 5X7MM GREY 110	9	B1, B2, B3, B4, B5, B6, B7, B8, B9
0008794-04	B00	MEDIUM RECTANGLE BUTTON 11.5 X 8.5 MM "MUTE" GREY 110	11	B10, B11, B12, B13, B14, B15, B16, B17, B18, B19, B20
0000527	A00	POT ROTARY 20KU 9MM SINGLE	19	R15, R16, R17, R18, R19, R20, R21, R22, R34, R35, R36, R37, R38, R39, R40, R41, R48, R64, R65
0000528	A00	POT ROTARY 10KB 12MM DUAL	8	R26, R27, R28, R29, R30, R31, R32, R33
130-022-02	A	POT ROTARY 10KB 9MM MONO TN W/DETENT	16	R7, R8, R9, R10, R11, R12, R13, R14, R49, R50, R51, R52, R57, R58, R59, R63
130-030-02	A	POT ROTARY 5KZY 9MM MNO H TN	4	R3, R4, R5, R6
130-031-00	A	POT SLIDER 10KD 60MM MONO	6	R53, R54, R55, R56, R71, R72
130-032-00	A	POT SLIDER 50KD 60MM DUAL	7	R60, R61, R62, R66, R67, R68, R69
130-061-02	B	POT 50KG 12MM DUAL WO SLV	5	R23, R24, R25, R42, R70
130-075-00	A	POT SLIDER 50KG 30MM DL PANS	5	R43, R44, R45, R46, R47
140-001-00	A	RES TF SM .1W 5% 1 OHM	2	R715, R728
140-025-00	A	RES TF SM .1W 5% 10 OHM	5	R361, R366, R379, R391, R393
140-041-00	A	RES TF SM .1W 5% 47 OHM	3	R105, R230, R231
140-042-00	A	RES TF SM .1W 5% 51 OHM	2	R362, R364
140-044-00	A	RES TF SM .1W 5% 62 OHM	2	R226, R227
140-049-00	A	RES TF SM .1W 5% 100 OHM	9	R103, R104, R247, R590, R591, R594, R595, R690, R691
140-051-00	A	RES TF SM .1W 5% 120 OHM	4	R74, R80, R82, R84
140-057-00	A	RES TF SM .1W 5% 220 OHM	15	R130, R131, R132, R133, R151, R152, R153, R154, R174, R175, R176, R177, R217, R245, R563
140-061-00	A	RES TF SM .1W 5% 330 OHM	1	R205
140-064-00	A	RES TF SM .1W 5% 430 OHM	1	R157
140-065-00	A	RES TF SM .1W 5% 470 OHM	1	R196
140-066-00	A	RES TF SM .1W 5% 510 OHM	8	R197, R204, R244, R562, R811, R830, R859, R862
140-069-00	A	RES TF SM .1W 5% 680 OHM	1	R200
140-071-00	A	RES TF SM .1W 5% 820 OHM	1	R199
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	44	R86, R87, R208, R209, R228, R232, R237, R238, R246, R249, R294, R309, R310, R311, R312, R313, R314, R323, R324, R325, R326, R327, R328, R397, R399, R401, R404, R406, R408, R445, R451, R452, R453, R457, R461, R463, R465, R466, R467, R468, R522, R524, R543, R548
140-074-00	A	RES TF SM .1W 5% 1K1 OHM	4	R812, R831, R860, R863
140-076-00	A	RES TF SM .1W 5% 1K3 OHM	6	R206, R357, R441, R442, R443, R539

continued



Main PCB Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
140-077-00	A	RES TF SM .1W 5% 1K5 OHM	10	R159, R161, R165, R167, R169, R173, R268, R296, R573, R586
140-079-00	A	RES TF SM .1W 5% 1K8 OHM	2	R750, R753
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	4	R163, R171, R192, R239
140-081-00	A	RES TF SM .1W 5% 2K2 OHM	24	R332, R333, R334, R335, R336, R337, R340, R342, R344, R347, R350, R353, R470, R471, R472, R473, R474, R479, R481, R482, R483, R485, R549, R552
140-083-00	A	RES TF SM .1W 5% 2K7 OHM	5	R358, R574, R587, R635, R650
140-084-00	A	RES TF SM .1W 5% 3K0 OHM	6	R211, R213, R218, R221, R234, R236
140-085-00	A	RES TF SM .1W 5% 3K3 OHM	13	R109, R110, R188, R250, R257, R285, R286, R434, R435, R566, R579, R634, R649
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	16	R341, R343, R345, R346, R349, R352, R475, R477, R478, R480, R484, R551, R694, R695, R700, R701
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	2	R748, R751
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	59	R73, R90, R96, R97, R100, R101, R102, R106, R107, R108, R124, R129, R189, R456, R460, R542, R546, R675, R676, R677, R678, R679, R680, R681, R682, R684, R685, R687, R688, R713, R733, R759, R762, R765, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R808, R813, R814, R815, R816, R847, R850, R853, R856
140-092-00	A	RES TF SM .1W 5% 6K2 OHM	6	R185, R187, R194, R338, R714, R734
140-093-00	A	RES TF SM .1W 5% 6K8 OHM	21	R359, R360, R367, R368, R380, R384, R388, R504, R505, R513, R517, R518, R519, R520, R521, R560, R561, R571, R572, R674, R872
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	2	R88, R89
140-095-00	A	RES TF SM .1W 5% 8K2 OHM	1	R183
140-097-00	A	RES TF SM .1W 5% 10K OHM	131	R1, R92, R95, R178, R180, R182, R198, R210, R212, R219, R220, R222, R223, R229, R233, R235, R240, R241, R242, R243, R275, R276, R282, R283, R315, R316, R319, R320, R365, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R383, R387, R416, R417, R418, R419, R420, R421, R424, R425, R429, R430, R490, R491, R498, R499, R506, R507, R508, R509, R510, R511, R512, R516, R528, R529, R530, R531, R535, R536, R553, R554, R556, R557, R575, R576, R584, R585, R600, R601, R602, R603, R605, R606, R613, R614, R615, R616, R618, R619, R637, R638, R639, R640, R652, R653, R654, R655, R665, R668, R673, R692, R693, R704, R705, R724, R725, R744, R745, R755, R788, R789, R794, R795, R799, R800, R805, R806, R821, R822, R827, R828, R832, R835, R838, R842, R843, R864, R866, R867, R869, R870

continued



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













Main PCB Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
140-098-00	A	RES TF SM .1W 5% 11K OHM	12	R712, R716, R729, R732, R758, R761, R764, R807, R846, R849, R852, R855
140-100-00	A	RES TF SM .1W 5% 13K OHM	4	R717, R718, R730, R731
140-104-00	A	RES TF SM .1W 5% 20K OHM	39	R297, R298, R299, R300, R317, R318, R321, R322, R426, R431, R446, R447, R448, R489, R495, R497, R503, R532, R537, R540, R604, R607, R617, R620, R662, R663, R719, R720, R726, R727, R739, R740, R746, R747, R790, R801, R817, R823, R839
140-105-00	A	RES TF SM .1W 5% 22K OHM	2	R224, R225
140-108-00	A	RES TF SM .1W 5% 27K OHM	10	R158, R160, R166, R168, R422, R427, R432, R533, R588, R689
140-109-00	A	RES TF SM .1W 5% 30K OHM	24	R111, R112, R113, R140, R162, R170, R191, R214, R251, R253, R255, R258, R259, R260, R264, R265, R266, R395, R403, R411, R565, R567, R578, R580
140-110-00	A	RES TF SM .1W 5% 33K OHM	2	R749, R752
140-111-00	A	RES TF SM .1W 5% 36K OHM	2	R636, R651
140-113-00	A	RES TF SM .1W 5% 43K OHM	2	R664, R754
140-115-00	A	RES TF SM .1W 5% 51K OHM	6	R164, R172, R190, R215, R267, R295
140-117-00	A	RES TF SM .1W 5% 62K OHM	4	R455, R459, R541, R545
140-123-00	A	RES TF SM .1W 5% 100K OHM	122	R91, R93, R94, R98, R99, R125, R126, R127, R128, R147, R148, R149, R150, R179, R181, R195, R201, R252, R254, R256, R261, R262, R263, R277, R284, R289, R290, R291, R292, R293, R301, R302, R303, R304, R305, R306, R307, R308, R381, R382, R385, R386, R389, R390, R394, R396, R410, R438, R439, R440, R444, R449, R450, R454, R458, R462, R492, R496, R502, R514, R515, R538, R544, R555, R564, R568, R577, R581, R589, R592, R593, R596, R597, R598, R599, R608, R609, R610, R611, R612, R621, R626, R627, R641, R642, R656, R657, R683, R686, R696, R697, R698, R699, R702, R703, R706, R707, R708, R709, R710, R711, R723, R735, R736, R737, R738, R743, R783, R784, R787, R793, R798, R804, R810, R820, R826, R829, R858, R861, R865, R868, R871
140-130-00	A	RES TF SM .1W 5% 200K OHM	18	R193, R207, R667, R670, R671, R757, R760, R763, R766, R809, R834, R837, R840, R845, R848, R851, R854, R857
140-140-00	A	RES TF SM .1W 5% 510K OHM	7	R184, R186, R248, R339, R355, R356, R363
140-147-00	A	RES TF SM .1W 5% 1M OHM	12	R329, R330, R331, R348, R351, R354, R464, R469, R476, R486, R547, R550
141-051-00	B	RES TF SM .25W 5% 120 OHM	12	R75, R76, R77, R78, R79, R81, R83, R85, R569, R570, R582, R583
145-000-00	B	RES TF SM .1W 0 OHM	2	R202, R203
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	R134, R136, R138, R155
145-204-00	B	RES MF SM .1W 1% 130 OHM	1	R216

continued



Main PCB Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	20	R135, R137, R139, R156, R398, R400, R402, R405, R407, R409, R412, R413, R423, R428, R433, R523, R525, R526, R527, R534
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	8	R721, R741, R785, R791, R796, R802, R818, R824
145-356-00	B	RES MF SM .1W 1% 4K53 OHM	8	R666, R669, R672, R756, R833, R836, R841, R844
145-383-00	B	RES MF SM .1W 1% 8K66 OHM	8	R271, R274, R278, R281, R488, R494, R500, R558
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	32	R269, R270, R272, R273, R279, R280, R414, R415, R487, R493, R501, R559, R622, R623, R624, R625, R628, R629, R630, R631, R632, R633, R643, R644, R645, R646, R647, R648, R658, R659, R660, R661
145-406-00	B	RES MF SM .1W 1% 15K0 OHM	8	R722, R742, R786, R792, R797, R803, R819, R825
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	R120, R121, R122, R123, R143, R144, R145, R146
145-485-00	B	RES MF SM .1W 1% 100K OHM	4	R287, R288, R436, R437
146-373-00	A	RES MF SM .25W 1% 6K81 OHM	8	R114, R115, R116, R117, R118, R119, R141, R142
 200-001-02	D	PLY .012UF 10% 100V TR	2	C234, C245
 200-003-02	C	PLY .033UF 10% 100V TR	2	C152, C158
 200-004-02	C	PLY .047UF 10% 100V TR	2	C137, C146
 200-007-02	C	PLY .01UF 10% 100V TR	17	C63, C64, C65, C66, C95, C96, C97, C99, C100, C101, C135, C142, C147, C149, C153, C156, C258
 200-011-02	B	PLY .0022UF 10% 100V TR	2	C233, C259
 200-015-02	B	PLY .0047UF 10% 100V PEI	13	C131, C138, C167, C170, C176, C236, C237, C240, C241, C244, C249, C252, C257
 200-019-02	A	PLY/BX .1UF 10% 63V TR	2	C151, C157
 200-022-02	A	PLY .47UF 5% 50V TR	2	C148, C155
 200-029-02	A	PLY/BX .22UF 5% 50V TR	24	C67, C68, C69, C70, C71, C72, C102, C103, C104, C105, C106, C107, C108, C109, C117, C118, C119, C120, C121, C122, C162, C163, C168, C169
 200-054-02	A	PLY/BOX .068UF 100V T/A	1	C253

continued



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






Main PCB Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
212-001-00	B1	CER .01UF 10% 50V X7R SM	143	C25, C299, C352, C354, C355, C356, C357, C359, C360, C361, C362, C363, C367, C368, C369, C370, C371, C372, C373, C377, C378, C380, C382, C383, C384, C385, C386, C388, C389, C396, C398, C400, C402, C404, C406, C414, C419, C420, C421, C429, C430, C431, C432, C433, C434, C438, C439, C440, C442, C444, C446, C448, C449, C451, C453, C454, C455, C459, C463, C464, C465, C481, C483, C485, C486, C487, C488, C489, C490, C491, C492, C493, C496, C498, C499, C506, C509, C514, C523, C524, C525, C526, C527, C530, C534, C537, C538, C541, C543, C544, C548, C549, C550, C551, C552, C553, C557, C559, C560, C561, C563, C566, C567, C568, C570, C572, C573, C574, C576, C579, C581, C582, C586, C587, C589, C590, C591, C594, C597, C599, C604, C605, C606, C609, C611, C618, C620, C621, C626, C627, C629, C631, C634, C635, C636, C637, C639, C642, C644, C646, C650, C651, C652
212-003-00	B1	CAPACITOR CERAMIC SMT	17	C327, C328, C329, C344, C365, C366, C374, C375, C379, C393, C558, C565, C578, C607, C633, C638, C640
212-004-00	C1	CER 220PF 5% 50V NPO SM	18	C301, C302, C315, C316, C323, C324, C325, C343, C413, C424, C428, C472, C596, C600, C622, C628, C648, C649
212-005-00	B1	CER 20PF 5% 50V NPO SM	34	C397, C399, C401, C403, C405, C407, C443, C445, C450, C452, C456, C466, C505, C507, C508, C510, C533, C539, C542, C577, C583, C584, C585, C592, C593, C608, C610, C612, C619, C632, C641, C643, C645, C647
212-009-00	A	CER 47PF 5% 50V NPO 0805 SM	36	C296, C300, C303, C304, C308, C309, C310, C311, C312, C331, C333, C335, C336, C346, C408, C410, C412, C467, C468, C470, C515, C517, C535, C546, C547, C554, C556, C562, C564, C569, C571, C575, C580, C588, C595, C630
212-015-00	B1	CER 33PF 5% 50V NPO SM	2	C545, C555
212-018-00	B1	CER 10PF 5% 50V NPO SM	16	C415, C416, C425, C426, C427, C435, C436, C437, C478, C479, C494, C495, C497, C500, C528, C529
212-019-00	B1	CER 150PF 5% 50V SM	16	C460, C461, C462, C473, C474, C475, C476, C477, C480, C482, C484, C512, C519, C520, C521, C522
212-023-00	B1	CER .001UF 10% 50V NPO SM	2	C297, C298
212-025-00	D1	CAP CER .1UF 50V 10% X7R	48	C337, C338, C347, C348, C349, C350, C351, C353, C358, C364, C387, C390, C391, C392, C394, C395, C409, C411, C417, C418, C422, C423, C441, C447, C457, C458, C501, C502, C503, C504, C511, C513, C531, C532, C536, C540, C598, C601, C602, C603, C613, C614, C615, C616, C617, C623, C624, C625
212-034-00	A1	CER .022UF 10% 100V X7R	4	C313, C314, C339, C340

continued



Main PCB Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
212-042-00	A1	CER 470PF 5% 50V NPO SM	22	C305, C306, C307, C317, C318, C319, C320, C321, C322, C326, C330, C332, C334, C341, C342, C345, C376, C381, C469, C471, C516, C518
220-002-02	A1	LYT 47UF 20% 25V RAD TR	152	C9, C10, C11, C12, C13, C14, C15, C16, C26, C27, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C54, C56, C58, C60, C61, C62, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C98, C110, C111, C112, C113, C114, C115, C116, C123, C124, C125, C126, C127, C128, C129, C130, C133, C140, C144, C145, C159, C160, C161, C164, C165, C173, C175, C182, C183, C186, C187, C188, C189, C190, C191, C192, C193, C196, C197, C198, C199, C200, C201, C202, C203, C204, C205, C207, C210, C212, C213, C214, C215, C216, C217, C218, C219, C220, C222, C224, C225, C227, C229, C230, C231, C238, C246, C255, C260, C262, C263, C264, C265, C266, C267, C268, C269, C270, C271, C272, C273, C274, C275, C277, C278, C279, C280, C281, C282, C283, C284, C285, C286, C287, C288, C289, C290, C291, C292, C293, C294, C295
220-003-02	B	LYT 47UF 20% 50V RAD TR	12	C1, C2, C3, C4, C5, C6, C7, C8, C21, C22, C23, C24
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	C17, C18, C19, C28
220-008-02	A1	LYT 1UF 20% 50V RAD TR	2	C172, C174
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53
220-014-00	B1	LYT 2.2UF 20% 50V RAD TR	2	C150, C154
220-027-02	B1	LYT 10UF 20% 50V RAD TR	23	C55, C57, C59, C94, C134, C141, C180, C184, C185, C194, C195, C206, C208, C209, C211, C221, C223, C226, C228, C242, C248, C261, C276
302-010-03	B	DIODE ZENER DL5232B 5.6V SM	2	D51, D52
 304-027-02	C00	LED RED W/.425 SPACER TR	12	D13, D14, D17, D18, D41, D42, D43, D44, D45, D46, D47, D48
 304-028-02	C00	LED YELLOW W/.425 SPACER TR	14	D1, D2, D3, D4, D9, D10, D11, D12, D15, D16, D19, D20, D21, D22
 304-029-02	C00	LED GREEN W/.425 SPACER TR	18	D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40
311-001-00	B	XSTR NPN IMBT4401 SMT	2	Q11, Q12
311-002-00	A	XSTR PNP MMST4403 SMT	10	Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q13, Q14
320-006-00	A	OPAMP 2068E	12	U9, U10, U17, U20, U21, U24, U25, U28, U54, U57, U64, U70
320-011-00	A	OPAMP 4560 8P SIP	2	U1, U2

continued



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



Main PCB Assembly continued

PART#	REV	DESCRIPTION	QTY	REF DESIGNATORS
320-020-00	A	IC, DUAL OP AMP NJM4565G	53	U3, U6, U7, U8, U11, U12, U14, U15, U18, U19, U22, U23, U26, U27, U29, U31, U35, U36, U38, U41, U42, U43, U44, U45, U46, U47, U50, U51, U52, U53, U55, U56, U58, U59, U60, U61, U62, U63, U65, U66, U67, U68, U69, U71, U72, U74, U75, U77, U80, U81, U82, U83, U84
323-002-00	C01	LM339D QUAD COMP SM	14	U4, U5, U13, U16, U30, U32, U33, U34, U48, U49, U73, U76, U78, U79
325-018-03	C	DG413 QUAD ANALOG SW SM	2	U39, U40
325-086-03	A	IC 74HC4053 ANA MUX/DEMUX	1	U37
400-022-00	A	RCA QUAD PCMNT	1	J33
400-041-00	A	XLR VERT MALE PCMNT	2	J20, J23
400-214-00	A	JACK 1/4 V PCMNT 1MM WASHER	26	J3, J4, J7, J8, J11, J12, J13, J14, J15, J16, J17, J18, J19, J21, J22, J24, J25, J26, J27, J28, J29, J30, J31, J32, J34, J35
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	6	J1, J2, J5, J6, J9, J10
400-283-00	A	HDR 12P .098X1 SHRD RTA	1	J36
450-396-01	B00	PCB: DFX 12	1	Z100
500-036-00	B	SWITCH 4PDT PUSH V SNAPIN	2	SW6, SW7
500-037-00	A01	SWITCH 2PDT PUSH V SNAPIN	18	SW1, SW2, SW3, SW4, SW5, SW8, SW9, SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW20
500-045-00	A	SWITCH ROTARY ENCODER GRVCD 15.5MM	1	S1
601-010-00	A	FERRITE SMT POWER	1	L1
620-042-00	A	CABLE FLAT 16C W/TABS .1 4.0	1	J37
706-033-01	D	STANDOFF SWAGE NO.4 X .542L F	15	SO1, SO2, SO3, SO4, SO5, SO6, SO7, SO8, SO9, SO10, SO11, SO12, SO13, SO14, SO15
706-038-00	A	STANDOFF NO.4 X .250L	3	SO16, SO17, SO18
0001120	A00	BRIDGE RECTIFIER, 100 V PEAK REVERSE VOLTAGE	4	D5, D6, D7, D8
220-024-00	A1	LYT 100UF 20% 35V RAD	3	C178, C179, C181
220-072-02	A1	LYT 47UF 20% 63V 105C T/R	1	C20
300-011-03	A	DIODE, SIGNAL, DUAL, BAV99	4	D49, D50, D53, D54
300-013-03	A	DIODE, SWITCH, DUAL, BAV70 SMT	12	D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66
601-009-00	A01	FERRITE BEAD, SMT	4	L2, L3, L4, L5
0001402	A00	CON FC1 15 POS VERT W/LOCKING CLIP	8	J39, J41, J42, J43, J46, J47, J48, J49
0001403	A00	HDR CON FFC FC1 20 POS VERT W/LOCKING CLIP 1MMX1 20P VERTICAL SMT WITH LOCATING PINS	4	J38, J40, J44, J45
110-025-00	A	RES CF .25W 5% 100 OHM	1	R2

