





CFX12 Compact Effects Mixer

Parts List April 2005





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090-120-90 REV A04 CFX12 120V FINAL ASSEMBLY


	PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
	070-120-9X	A43	BOMSHELL CFX12	1	SEE NEXT PAGE
	080-142-00	B	SUB ASSY TRANSFORMER -010 120V CFX12	1	
	510-001-00	B	FUSE SB 1A 5X20MM 250V UL	1	SLOW BLOW 1 AMP
	640-001-00	D	LINECORD IEC SJT 10A/125V 6FT	1	
	820-104-90	C00	OWNER MANUAL COMPACT CFX	1	
	800-136-90	C00	MASTER PACK CFX 12	.5	

090-120-91 REV A11 CFX12 230V FINAL ASSEMBLY

	PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
	070-120-9X	A43	BOMSHELL CFX12	1	SEE NEXT PAGE
	080-142-01	B	SUB ASSY TRANSFORMER -010 230V CFX12	1	
	510-002-00	C	FUSE SB .5A 5X20 250V IEC	1	SLOW BLOW 0.5 AMP
	820-104-91	C00	OWNER MANUAL COMPACT CFX	1	
	640-002-01	B	LINECORD EURO 10A 250V 6FT 7IN	1	
	800-136-90	C00	MASTER PACK CFX 12	.5	



070-120-9X REV A43 BOMSHELL CFX12

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
040-358-00	B	CABLE RIBBON 18G 7P .156 16IN	1	
055-192-00-91	C12	PCB ASSY LC EFFECTS	1	SEE PAGE 4
055-241-00-93	C06	ASSY PCB CFX MASTER	1	SEE PAGE 5
055-242-00-92	C06	ASSY PCB CFX SLAVE 4	1	SEE PAGE 13
055-258-00-91	A11	PCB ASSY POWER SUPPLY CFX	1	SEE PAGE 16
055-260-00-92	B01	PCB ASSY AC INPUT CFX	1	SEE PAGE 16
080-144-00	D	SA BNC CFX 12/16/20	1	
400-365-00	A	QDISK TAB .250 M #6 MNT	1	
 410-005-00	A	INSULATION SILPAD TO-220	4	
550-442-90	B10	SCREENED CHASSIS TOP CXF 12	1	
550-445-00	A1	CHASSIS BOTTOM CXF 12	1	
550-462-00	A1	CLAMP TO-220 X 4	1	
 550-491-00	A1	FAB PLT HEATSINK CFX POWER SUPPLY	1	
550-551-10	A1	PAINT LEFT SIDE CFX	1	
550-551-20	A1	PAINT RIGHT SIDE CFX	1	
550-552-90	B11	SCREENED BACK CFX 12	1	
620-045-00	A	CABLE FLAT 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 BUTTON SOCKET BLACK OXIDE	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" SUPPLIED WITH 400-464-00	0	
705-008-00	A	NUT LOCK 8-32	2	
0000222	A	WASHER SUPPLIED WITH 400-464-00 JACK	0	
750-001-00	A	BUMPON ROUND BLK .63X.31	4	
760-037-01	C00	KNOB SLIDE 10X25MM MLDLIN	11	
760-037-03	C00	KNOB SLIDE 11X24 BLUE	4	
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	B00	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	
800-130-90	E00	BOX CMPT CFX 12 - CHINA	1	
810-083-00	A	FOAM FRONT CMPT CFX	1	
810-084-00	A	FOAM REAR CMPT CFX	1	



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055-192-00-91 REV C1 PCB ASSY LC EFFECTS

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
220-011-00	A1	LYT 100UF 20% 25V RAD	1	C5
315-017-00	A	XTAL 24.576MHZ LOW PROF	1	Y1
400-280-00	A	HDR SKT 16P .1X1 STR	1	J1
050-192-00-91	C12	PCB AUTO LC EFFECTS	1	SEE BELOW

050-192-00-91 REV C12 PCB AUTO LC EFFECTS

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
140-009-00	A	RES TF SM .1W 5% 2.2 OHM	1	R11
140-049-00	A	RES TF SM .1W 5% 100 OHM	2	R33, R34
140-053-00	A	RES TF SM .1W 5% 150 OHM	2	R13, R14
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	6	R4, R8-R9, R20, R31, R32
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	10	R19, R21, R23, R24, R25, R26, R27, R28, R29, R30
140-097-00	A	RES TF SM .1W 5% 10K OHM	2	R7, R10
140-114-00	A	RES TF SM .1W 5% 47K OHM	4	R3, R5-R6, R22
140-123-00	A	RES TF SM .1W 5% 100K OHM	3	R2, R12, R35
140-139-00	A	RES TF SM .1W 5% 470K OHM	1	R1
212-001-00	B1	CER .01UF 10% 50V X7R SM	2	C30, C31
212-003-00	B1	CAPACITOR CERAMIC SMT	2	C46, C49
212-005-00	B1	CER 20PF 5% 50V NPO SM	2	C2, C6
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	C18
212-016-00	A1	CER 1000PF 5% 50V NPO SM	13	C42-C45, C47-C48, C50, C51, C52, C53, C54, C55, C56
212-023-00	B1	CER .001UF 10% 50V NPO SM	3	C7-C8, C36
212-024-00	A1	CER 1UF 25V Y5V 1206	4	C10-C11, C15, C34
212-027-00	A1	CER .1UF 16V 10% X7R 0603	15	C1, C3-C4, C12, C14, C16-C17, C20, C24-C25, C27, C29, C32-C33, C38
212-029-00	A1	CER 270PF 5% 50V NPO SM	2	C22, C23
212-032-00	A1	CER 2200PF 10% 50V X7R	5	C35, C37, C39, C40, C41
223-003-00	A1	LYT 22UF 20% 6.3V SM	1	C9
223-004-00	B1	LYT 10UF 20% 16V SM	5	C13, C19, C21, C26, C28
300-003-00	A	DIODE SIGNAL SMD	4	D1, D2, D3, D4
325-027-03	A	CMOS 74HC74A DUAL D FLPFL	1	U6
325-071-03	A	CMOS 74HCU04 HEX INV SM	1	U1
329-042-03	B	CODEC SOUNDPORT AD1819	1	U3
329-047-03	B	SRAM 32KX8 20NS SOJ SM	2	U4, U5
450-192-00	C	PCB LC EFFECTS BARE BOARD	1	
601-009-00	A	FERRITE BEAD, SMT	3	FB1, FB2, FB3
601-010-00	A	FERRITE SMT POWER	1	FB5
080-088-00	A	DSP PROGRAMMED ADSP-2163	1	U2



055-241-00-93 REV C06 ASSY PCB CFX MASTER

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
040-357-00	A	DIS 22GA 1007 GRN/Y 8 QD	1	E2
130-002-02	A	POT ROTARY 50KB 9MM MNO H TN	12	R47, R55, R59, R126, R135, R139, R209, R220, R224, R285, R294, R298
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	36	R32-R33, R38-R39, R63, R112-R113, R118-R119, R143, R195-R196, R201- R202, R228, R273-R274, R279-R280, R304, R332- R333, R340-R341, R387, R429-R430, R438-R439, R492, R525-R526, R531, R535, R617, R621
130-022-02	A	POT RTY 10KB 9MM MONO TN	2	R545, R629
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	R15, R95, R180, R260
130-031-00	A	POT SLD 10KD 60MM MONO	8	R74, R154, R239, R316, R562, R569, R648, R713
130-032-00	A	POT SLD 50KD 60MM DUAL	3	R398, R503, R861
130-061-02	B	POT 50KG 12MM DUAL WO SLV	15	R320, R350, R360-R361, R374, R417, R450, R464- R465, R481, R539, R744, R748, R753, R759
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	R56, R136, R221, R295
130-075-00	A	POT SLD 50KG 30MM DL PANS	9	R603, R605, R664-R665, R669, R729, R732, R735, R825
140-017-00	A	RES TF SM .1W 5% 4.7 OHM	4	R857, R858, R859, R860
140-032-00	A	RES TF SM .1W 5% 20 OHM	1	R848
140-037-00	A	RES TF SM .1W 5% 33 OHM	1	R847
140-049-00	A	RES TF SM .1W 5% 100 OHM	1	R624
140-051-00	A	RES TF SM .1W 5% 120 OHM	13	R407, R409, R412, R415, R514, R516, R576, R578, R652, R654, R786, R790, R846
140-057-00	A	RES TF SM .1W 5% 220 OHM	2	R852, R853
140-061-00	A	RES TF SM .1W 5% 330 OHM	2	R842, R844
140-064-00	A	RES TF SM .1W 5% 430 OHM	1	R765
140-065-00	A	RES TF SM .1W 5% 470 OHM	3	R841, R843, R845
140-066-00	A	RES TF SM .1W 5% 510 OHM	53	R35, R37, R40-R41, R70- R73, R115, R117, R121, R132, R150-R153, R198, R200, R204, R215, R235- R238, R276, R278, R282, R291, R312-R315, R336- R337, R347, R356, R394- R397, R433-R434, R445, R456, R499-R502, R618, R675, R840, R850, R851
140-068-00	A	RES TF SM .1W 5% 620 OHM	1	R839

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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	64	R10, R13, R53-R54, R60, R62, R85, R88, R133-R134, R140, R142, R170, R173, R216-R217, R225, R227, R255, R258, R292-R293, R299, R301, R351-R354, R365-R368, R370-R372, R376, R378-R381, R451-R454, R461-R462, R469-R472, R474-R476, R479-R480, R483-R487, R494, R534, R552, R623
140-074-00	A	RES TF SM .1W 5% 1K1 OHM	2	R574, R575
140-076-00	A	RES TF SM .1W 5% 1K3 OHM	1	R838
140-077-00	A	RES TF SM .1W 5% 1K5 OHM	2	R548, R628
140-079-00	A	RES TF SM .1W 5% 1K8 OHM	4	R568, R572, R647, R650
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	8	R23, R103, R187, R265, R622, R747, R834, R837
140-083-00	A	RES TF SM .1W 5% 2K7 OHM	2	R547, R627
140-085-00	A	RES TF SM .1W 5% 3K3 OHM	2	R691, R692
140-086-00	A	RES TF SM .1W 5% 3K6 OHM	4	R327, R329, R421, R423
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	17	R51, R61, R131, R141, R214, R226, R290, R300, R303, R382-R384, R386, R488, R490-R491, R836
140-088-00	A	RES TF SM .1W 5% 4K3 OHM	8	R556-R557, R636-R637, R701-R702, R766, R767
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	40	R29, R64-R69, R109, R144-R149, R182-R183, R229-R234, R305-R311, R388-R393, R493, R495, R496, R497, R498
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	72	R20, R34, R36, R42-R43, R57-R58, R100, R114, R116, R120, R122, R137-R138, R156, R158, R184, R194, R197, R199, R203, R205, R222-R223, R241, R245, R275, R277, R281, R283, R296-R297, R334-R335, R338-R339, R342-R346, R348-R349, R355, R400, R404, R431-R432, R435-R436, R440-R444, R446-R447, R455, R5
140-091-00	A	RES TF SM .1W 5% 5K6 OHM	1	R835
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	16	R50, R130, R213, R289, R358-R359, R459-R460, R558, R638, R693, R698, R703, R768, R854, R868

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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
140-097-00	A	RES TF SM .1W 5% 10K OHM	108	R44-R45, R75, R123-R124, R160, R206-R207, R218-R219, R244, R317, R448, R458, R540-R541, R543-R544, R549, R555, R559-R561, R567, R580, R583-R584, R586-R588, R590-R591, R597-R599, R601, R609, R612-R613, R615-R616, R619-R620, R625-R626, R633-R635, R639-R641, R646, R657-R658, R672-R673, R67
140-098-00	A	RES TF SM .1W 5% 11K OHM	12	R155, R157, R240, R243, R399, R403, R504, R508, R565, R570, R644, R649
140-101-00	A	RES TF SM .1W 5% 15K OHM	12	R159, R161, R242, R246, R377, R463, R478, R489, R571, R573, R651, R716
140-104-00	A	RES TF SM .1W 5% 20K OHM	12	R30, R46, R91, R110, R125, R176, R208, R284, R542, R546, R874, R876
140-105-00	A	RES TF SM .1W 5% 22K OHM	1	R537
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	R11, R86, R171, R256
140-109-00	A	RES TF SM .1W 5% 30K OHM	32	R262, R272, R323, R325, R328, R331, R405-R406, R419, R422, R425, R427, R437, R449, R510-R511, R518, R521, R527, R536, R680-R681, R688-R690, R697, R749-R750, R755-R756, R760, R761
140-111-00	A	RES TF SM .1W 5% 36K OHM	8	R25, R105, R189, R267, R678-R679, R682, R683
140-112-00	A	RES TF SM .1W 5% 39K OHM	2	R870, R871
140-114-00	A	RES TF SM .1W 5% 47K OHM	16	R48-R49, R127-R128, R210-R211, R286-R287, R302, R357, R364, R375, R385, R457, R468, R482
140-119-00	A	RES TF SM .1W 5% 75K OHM	8	R362-R363, R369, R373, R466-R467, R473, R477
140-123-00	A	RES TF SM .1W 5% 100K OHM	69	R3-R4, R17, R27, R31, R52, R78-R79, R89, R94, R97, R107, R111, R129, R164, R174, R179, R191, R193, R212, R249, R269, R271, R288, R318-R319, R321-R322, R324, R326, R330, R411, R414, R418, R420, R424, R512-R513, R519-R520, R528, R532, R550-R551, R564, R566, R630-R632, R643, R645, R708, R710, R751-R75
140-130-00	A	RES TF SM .1W 5% 200K OHM	6	R401-R402, R506-R507, R796, R798

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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
141-051-00	B	RES TF SM .25W 5% 120 OHM	34	R28, R108, R192, R270, R408, R410, R413, R416, R515, R517, R577, R579, R653, R655, R763, R775, R779-R781, R783, R788, R792, R800-R809, R865, R866
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	R16, R96, R181, R261
145-279-00	B	RES MF SM .1W 1% 787 OHM	2	R596, R608
145-288-00	B	RES MF SM .1W 1% 976 OHM	2	R723, R730
145-296-00	B	RES MF SM .1W 1% 1K18 OHM	2	R816, R831
145-307-00	B	RES MF SM .1W 1% 1K54 OHM	2	R593, R604
145-317-00	B	RES MF SM .1W 1% 1K96 OHM	2	R663, R670
145-330-00	B	RES MF SM .1W 1% 2K43 OHM	6	R684-R685, R727, R736, R745, R746
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	22	R5-R6, R9, R12, R14, R80-R81, R84, R87, R90, R165-R166, R169, R172, R175, R250-R251, R254, R257, R259, R592, R602
145-341-00	B	RES MF SM .1W 1% 3K16 OHM	1	R426
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	R19, R93, R99, R178
145-350-00	B	RES MF SM .1W 1% 3K92 OHM	2	R660, R666
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	R18, R92, R98, R177
145-356-00	B	RES MF SM .1W 1% 4K53 OHM	2	R712, R715
145-358-00	B	RES MF SM .1W 1% 4K75 OHM	2	R726, R734
145-368-00	B	RES MF SM .1W 1% 6K04 OHM	2	R595, R607
145-373-00	B	RES MF SM .1W 1% 6K81 OHM	1	R428
145-377-00	B	RES MF SM .1W 1% 7K50 OHM	2	R724, R731
145-388-00	B	RES MF SM .1W 1% 9K76 OHM	5	R815, R832, R864, R867, R873
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	R21-R22, R24, R26, R101-R102, R104, R106, R185-R186, R188, R190, R263-R264, R266, R268
145-397-00	B	RES MF SM .1W 1% 12K1 OHM	4	R585, R594, R606, R614
145-406-00	B	RES MF SM .1W 1% 15K0 OHM	4	R662, R668, R717, R738
145-416-00	B	RES MF SM .1W 1% 19K1 OHM	2	R728, R737
145-417-00	B	RES MF SM .1W 1% 19K6 OHM	2	R813, R830
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	R7-R8, R82-R83, R167-R168, R252, R253
145-426-00	B	RES MF SM .1W 1% 24K3 OHM	4	R582, R589, R600, R611
145-435-00	B	RES MF SM .1W 1% 30K1 OHM	4	R659, R661, R667, R674
145-445-00	B	RES MF SM .1W 1% 38K3 OHM	4	R721, R725, R733, R742
145-455-00	B	RES MF SM .1W 1% 48K7 OHM	2	R581, R610
145-456-00	B	RES MF SM .1W 1% 49K9 OHM	6	R523-R524, R530, R824, R827, R829
145-464-00	B	RES MF SM .1W 1% 60K4 OHM	2	R656, R671
145-474-00	B	RES MF SM .1W 1% 76K8 OHM	2	R720, R741

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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
146-373-00	A	RES MF SM .25W 1% 6K81 OHM	8	R1-R2, R76-R77, R162-R163, R247, R248
200-010-02	B	PLY .0018UF 10% 100V TR	8	C34, C75, C121, C163, C192-C193, C234, C235
200-011-02	B	PLY .0022UF 10% 100V TR	12	C409-C412, C420-C423, C467-C468, C480, C481
200-013-02	B	PLY .0082UF 10% 100V TR	8	C195-C198, C236-C237, C241, C242
200-014-02	B	PLY .0033UF 10% 100V TR	8	C35-C36, C76-C77, C123-C124, C164, C165
200-025-02	A	PLY/BX .56UF 5% 63V TR	8	C39, C80, C127, C168, C171, C203, C210, C249
200-029-02	A	PLY/BX .22UF 5% 50V TR	15	C316-C319, C330-C333, C354-C355, C367-C368, C500-C501, C505
200-066-02	A	PLY/FL .022UF 5% 100V AMM	20	C199, C200, C204, C205, C243, C244, C250, C251, C356, C357, C358, C359, C369, C370, C371, C372, C407, C408, C418, C419
212-001-00	B1	CER .01UF 10% 50V X7R SM	83	C14, C17-C18, C20, C24, C29, C31, C54, C57, C59, C61, C65, C70, C72, C82, C85, C99, C102-C103, C105-C106, C110, C115-C116, C118, C122, C130-C131, C147, C150, C154, C160, C230, C238, C265, C272-C273, C277-C280, C291-C292, C320, C322-C325, C328-C329, C360-C366, C373, C376, C413-C417, C471-C474, C4
212-003-00	B1	CAPACITOR CERAMIC SMT	2	C334, C338
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	C5, C45, C90, C138
212-005-00	B1	CER 20PF 5% 50V NPO SM	37	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-C375, C378-C380, C384-C385, C391-C393, C399, C402, C440
212-007-00	A1	CER .047UF 20% 50V Z5U SM	1	C513
212-009-00	A	CER 47PF 5% 50V NPO SM	24	C12-C13, C52-C53, C97-C98, C145-C146, C228-C229, C231-C232, C308, C347, C398, C441, C444-C445, C450, C454, C457, C460, C504, C506

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



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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
212-010-00	B1	CAPACITOR CERAMIC SMT	72	C19, C58, C60, C104, C170, C182-C183, C202, C207, C214, C217, C222-C223, C239-C240, C245-C246, C248, C257, C260, C285, C287, C295, C297, C300-C302, C304-C305, C310, C314, C336-C337, C339, C343-C344, C349, C352, C377, C381-C383, C386-C389, C394-C395, C400, C403, C442-C443, C447-C448, C452, C45
212-015-00	B1	CER 33PF 5% 50V NPO SM	2	C288, C293
212-018-00	B1	CER 10PF 5% 50V NPO SM	8	C32, C73, C119, C161, C169, C201, C206, C247
212-019-00	B1	CER 150PF 5% 50V SM	16	C10, C15, C21, C23, C50, C55, C62, C64, C95, C100, C107, C109, C143, C148, C151, C153
212-021-00	B1	CER 27PF 5% 50V NPO SM	12	C270-C271, C276, C321, C326-C327, C469-C470, C475-C477, C484
212-023-00	B1	CER .001UF 10% 50V NPO SM	6	C9, C49, C94, C142, C175, C220
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	C2, C4, C6, C11, C42, C44, C46, C51, C87, C89, C91, C96, C135, C137, C139, C144
220-002-02	A1	LYT 47UF 20% 25V RAD TR	135	C3, C8, C26, C28, C30, C33, C37-C38, C40, C43, C48, C67, C69, C71, C74, C78-C79, C84, C88, C93, C112, C114, C117, C120, C125-C126, C128, C133, C136, C141, C156, C158-C159, C162, C166-C167, C172-C174, C176-C179, C181, C185-C187, C189-C191, C194, C208-C209, C211, C213, C216, C218-C219, C221, C225-C2
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	C1, C7, C41, C47, C86, C92, C134, C140
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	C16, C56, C101, C149
220-008-02	A1	LYT 1UF 20% 50V RAD TR	2	C298, C299
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	C22, C25, C27, C63, C66, C68, C108, C111, C113, C152, C155, C157
220-027-02	B1	LYT 10UF 20% 50V RAD TR	6	C518-C519, C522-C523, C526, C527
300-003-00	A	DIODE SIGNAL SMD	8	D24-D25, D54, D55, D56, D57, D58, D59
301-004-00	A	DIODE POWER DL4002 SM	16	D1-D4, D6-D9, D11-D14, D16, D17, D18, D19
302-010-03	B	DIODE ZENER DL5232B 5.6V SM	2	D22, D23

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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
 304-002-00	A	LED RED T1-3/4 W FLASHER	1	D53
 304-027-02	C00	LED RED W/.425 SPACER TR	5	D21, D26, D28, D40, D41
 304-028-02	C00	LED YEL W/.425 SPACER TR	7	D5, D10, D15, D20, D27, D29, D42
 304-029-02	C00	LED GRN W/.425 SPACER TR	20	D30-D39, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52
310-002-02	A1	XSTR PNP 2N4403 T/A	2	Q12, Q13
311-001-00	B	XSTR NPN IMBT4401 SMT	3	Q9, Q10, Q11
311-002-00	A	XSTR PNP MMST4403 SMT	8	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8
320-011-00	A	OPAMP 4560 8P SIP	2	U60, U61
320-020-00	A	IC, DUAL OP AMP NJM4565G	64	U1, U3-U5, U7-U31, U33-U34, U36-U39, U41-U59, U62-U65, U72, U73, U74, U75, U76, U77
323-002-00	C	LM339D QUAD COMP SM	8	U2, U6, U66, U67, U68, U69, U70, U71
325-086-03	A	IC 74HC4053 ANA MUX/DEMUX	3	U32, U35, U40
400-022-00	A	RCA QUAD PCMNT	1	J25
400-041-00	A	XLR VERT MALE PCMNT	3	J39, J40, J41
400-048-00	A	HDR 7P .156X1 RTA	1	J44
400-464-00	AO2	JACK 1/4 V PCMNT 1MM WASH	32	J2-J3, J7-J8, J10-J11, J13-J24, J26-J33, J35-J38, J42, J43
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	J1, J6, J9, J12
400-349-00	A	HDR SKT BTTM ENTRY 14P .1	2	J4, J5
450-241-00	C	PCB CFX MASTER	1	Z2
0000162	A	SWITCH 2PDT PUSH V SNAPIN	46	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW20, SW21, SW22, SW23, SW24, SW25, SW26, SW27, SW28, SW29, SW30, SW31, SW32, SW33, SW34, SW35, SW36, SW37, SW38, SW39, SW40, SW41, SW42, SW43, SW44, SW45, SW46
500-045-00	A	SWITCH ROTARY ENCODER GRAYCODE 15.5MM	1	S1
601-010-00	A	FERRITE SMT POWER	1	L1
620-042-00	A	CABLE FLT 16C W/TABS .1 4.0	1	J34

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



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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
660-002-00	A	24GA JUMPER WIRE TR	82	JP1, JP2, JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP10, JP11, JP12, JP13, JP14, JP15, JP16, JP17, JP18, JP19, JP20, JP21, JP22, JP23, JP24, JP25, JP26, JP27, JP28, JP29, JP30, JP31, JP32, JP33, JP34, JP35, JP36, JP37, JP38, JP39, JP40, JP41, JP42, JP43, JP44, JP45, JP46, JP47, JP48, JP49, JP50, JP51, JP52, JP53
706-009-00	C	SPCR PLASTIC .385 LED	1	Z8
706-033-01	D	STDF SWAGE NO.4 X .542L F	21	H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21
706-038-00	A	STDF NO.4 X .250L	3	H22, H23, H24
760-107-00	B	BUTTON 2 COLOR 9X5MM	40	B1-B2, B4-B8, B10-B14, B16-B20, B22-B25, B27-B30, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46
760-108-00	A	BUTTON 2 COLOR 9X9MM	6	B3, B9, B15, B21, B26, B31



055-242-00-92 REV C06 ASSY PCB CFX SLAVE 4

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
130-002-02	A	POT RTY 50KB 9MM MNO H TN	12	R47, R55, R59, R126, R135, R139, R209, R220, R224, R285, R294, R298
130-003-02	A	POTRTY 50KG 9MM MN TN PAN	20	R32-R33, R38-R39, R63, R112-R113, R118-R119, R143, R195-R196, R201-R202, R228, R273-R274, R279-R280, R304
130-030-02	A	POT RTY 5KZY 9MM MNO H TN	4	R15, R95, R180, R260
130-031-00	A	POT SLD 10KD 60MM MONO	4	R74, R154, R239, R316
130-064-02	A	POT 500KC 12MM DUL WO SLV	4	R56, R136, R221, R295
140-066-00	A	RES TF SM .1W 5% 510 OHM	32	R35, R37, R40-R41, R70-R73, R115, R117, R121, R132, R150-R153, R198, R200, R204, R215, R235-R238, R276, R278, R282, R291, R312, R313, R314, R315
140-073-00	A	RES TF SM .1W 5% 1K0 OHM	24	R10, R13, R53-R54, R60, R62, R85, R88, R133-R134, R140, R142, R170, R173, R216-R217, R225, R227, R255, R258, R292-R293, R299, R301
140-080-00	A	RES TF SM .1W 5% 2K0 OHM	4	R23, R103, R187, R265
140-087-00	A	RES TF SM .1W 5% 3K9 OHM	8	R51, R61, R131, R141, R214, R226, R290, R300
140-089-00	A	RES TF SM .1W 5% 4K7 OHM	28	R29, R64-R69, R109, R144-R149, R182-R183, R229-R234, R305-R306, R308, R309, R310, R311
140-090-00	A	RES TF SM .1W 5% 5K1 OHM	32	R20, R34, R36, R42-R43, R57-R58, R100, R114, R116, R120, R122, R137-R138, R156, R158, R184, R194, R197, R199, R203, R205, R222-R223, R241, R245, R275, R277, R281, R283, R296, R297
140-094-00	A	RES TF SM .1W 5% 7K5 OHM	4	R50, R130, R213, R289
140-097-00	A	RES TF SM .1W 5% 10K OHM	12	R44-R45, R75, R123-R124, R160, R206-R207, R218-R219, R244, R317
140-098-00	A	RES TF SM .1W 5% 11K OHM	4	R155, R157, R240, R243
140-101-00	A	RES TF SM .1W 5% 15K OHM	4	R159, R161, R242, R246
140-104-00	A	RES TF SM .1W 5% 20K OHM	8	R30, R46, R91, R110, R125, R176, R208, R284
140-108-00	A	RES TF SM .1W 5% 27K OHM	4	R11, R86, R171, R256
140-111-00	A	RES TF SM .1W 5% 36K OHM	4	R25, R105, R189, R267
140-114-00	A	RES TF SM .1W 5% 47K OHM	8	R48-R49, R127-R128, R210-R211, R286, R287

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



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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
140-123-00	A	RES TF SM .1W 5% 100K OHM	24	R3-R4, R17, R27, R31, R52, R78-R79, R89, R94, R97, R107, R111, R129, R164, R174, R179, R191, R193, R212, R249, R269, R271, R288
141-051-00	B	RES TF SM .25W 5% 120 OHM	4	R28, R108, R192, R270
145-066-00	B	RES MF SM .1W 1% 4.75 OHM	4	R16, R96, R181, R261
145-339-00	B	RES MF SM .1W 1% 3K01 OHM	20	R5-R6, R9, R12, R14, R80-R81, R84, R87, R90, R165-R166, R169, R172, R175, R250-R251, R254, R257, R259
145-346-00	B	RES MF SM .1W 1% 3K57 OHM	4	R19, R93, R99, R178
145-352-00	B	RES MF SM .1W 1% 4K12 OHM	4	R18, R92, R98, R177
145-389-00	B	RES MF SM .1W 1% 10K0 OHM	16	R21-R22, R24, R26, R101-R102, R104, R106, R185-R186, R188, R190, R263-R264, R266, R268
145-418-00	B	RES MF SM .1W 1% 20K0 OHM	8	R7-R8, R82-R83, R167-R168, R252, R253
146-373-00	A	RES MF SM .25W 1% 6K81 OHM	8	R1-R2, R76-R77, R162-R163, R247, R248
200-010-02	B	PLY .0018UF 10% 100V TR	4	C34, C75, C121, C163
200-014-02	B	PLY .0033UF 10% 100V TR	8	C35-C36, C76-C77, C123-C124, C164, C165
200-025-02	A	PLY/BX .56UF 5% 63V TR	4	C39, C80, C127, C168
212-001-00	B1	CER .01UF 10% 50V X7R SM	34	C14, C17-C18, C20, C24, C29, C31, C54, C57, C59, C61, C65, C70, C72, C82, C85, C99, C102-C103, C105-C106, C110, C115-C116, C118, C122, C130-C131, C147, C150, C154, C160, C528, C529
212-004-00	C1	CER 220PF 5% 50V NPO SM	4	C5, C45, C90, C138
212-005-00	B1	CER 20PF 5% 50V NPO SM	4	C81, C83, C129, C132
212-009-00	A	CER 47PF 5% 50V NPO SM	8	C12-C13, C52-C53, C97-C98, C145, C146
212-010-00	B1	CAPACITOR CERAMIC SMT	4	C19, C58, C60, C104
212-018-00	B1	CER 10PF 5% 50V NPO SM	4	C32, C73, C119, C161
212-019-00	B1	CER 150PF 5% 50V SM	16	C10, C15, C21, C23, C50, C55, C62, C64, C95, C100, C107, C109, C143, C148, C151, C153
212-023-00	B1	CER .001UF 10% 50V NPO SM	4	C9, C49, C94, C142
212-042-00	A1	CER 470PF 5% 50V NPO SM	16	C2, C4, C6, C11, C42, C44, C46, C51, C87, C89, C91, C96, C135, C137, C139, C144

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PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
220-002-02	A1	LYT 47UF 20% 25V RAD TR	38	C3, C8, C26, C28, C30, C33, C37-C38, C40, C43, C48, C67, C69, C71, C74, C78-C79, C84, C88, C93, C112, C114, C117, C120, C125-C126, C128, C133, C136, C141, C156, C158-C159, C162, C166-C167, C169, C170
220-003-02	B	LYT 47UF 20% 50V RAD TR	8	C1, C7, C41, C47, C86, C92, C134, C140
220-004-02	C1	LYT 470UF 20% 6.3V RAD TR	4	C16, C56, C101, C149
220-013-02	A1	LYT .22UF 20% 50V RAD TR	12	C22, C25, C27, C63, C66, C68, C108, C111, C113, C152, C155, C157
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	C526, C527
301-004-00	A	DIO PWR DL4002 SM	16	D1-D4, D6-D9, D11-D14, D16, D17, D18, D19
 304-028-02	C00	LED YEL W/.425 SPACER TR	4	D5, D10, D15, D20
311-002-00	A	XSTR PNP MMST4403 SMT	8	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8
320-020-00	A	IC, DUAL OP AMP NJM4565G	14	U1, U3-U5, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16
323-002-00	C	LM339D QUAD COMP SM	2	U2, U6
400-464-00	AO2	JACK 1/4 V PCMNT 1MM WASH	8	J2, J3, J7, J8, J10, J11, J13, J14
400-223-00	A	XLR PCMNT NEUTRIK-AP SER	4	J1, J6, J9, J12
400-349-00	A	HDR SKT BTM ENTRY 14P .1	4	J4-J5, J15, J16
450-242-00	C	PCB, CFX SLAVE 4	1	Z1
0000162	A	SWITCH 2PDT PUSH V SNAPIN	24	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12, SW13, SW14, SW15, SW16, SW17, SW18, SW19, SW20, SW21, SW22, SW23, SW24
660-002-00	A	24GA JUMPER WIRE TR	31	JP1, JP2, JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP10, JP11, JP12, JP13, JP14, JP15, JP16, JP17, JP18, JP19, JP20, JP21, JP22, JP23, JP24, JP25, JP26, JP27, JP28, JP29, JP30, JP31
706-033-01	D	STDF SWAGE NO.4 X .542L F	10	H1, H2, H3, H4, H5, H6, H7, H8, H9, H10
760-107-00	B	BUTTON 2 COLOR 9X5MM	20	Z2, Z3, Z4, Z5, Z6, Z7, Z8, Z9, Z10, Z11, Z12, Z13, Z14, Z15, Z16, Z17, Z18, Z19, Z20, Z21
760-108-00	A	BUTTON 2 COLOR 9X9MM	4	Z22, Z23, Z24, Z25

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



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055-258-00-91 REV A11 PCB ASSY POWER SUPPLY CFX

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
100-028-00	A	RES CF .125W 5% 130 OHM	2	R1, R4
100-031-00	A	RES CF .125W 5% 180 OHM	1	R8
100-058-00	A	RES CF .125W 5% 2K4 OHM	2	R2, R5
100-063-00	A	RES CF .125W 5% 3K9 OHM	2	R3, R6
110-080-00	A	RES CF .25W 5% 20K OHM	1	R7
121-093-00	A	RES MO 1W 5% 6K8 OHM	1	R9
211-001-00	D1	CER .01UF +80/-20% 25V AX	3	C5, C11, C15
211-010-00	A1	CER .01UF +80/-20% 50V AX	1	C16
220-002-02	A1	LYT 47UF 20% 25V RAD TR	1	C14
220-007-00	B1	LYT 100UF 20% 100V RAD	1	C18
220-011-02	A1	LYT 100UF 20% 25V RAD	2	C6, C13
220-012-02	B1	LYT 4.7UF 20% 63V RAD TR	1	C19
220-023-00	C1	LYT 6800UF 20% 35V RAD	3	C8, C9, C12
220-026-00	B1	LYT 1000UF 20% 100V RAD	1	C17
220-027-02	B1	LYT 10UF 20% 50V RAD TR	2	C7, C10
301-001-00	A	DIODE POWER 1N4002	17	D1, D2, D3, D4, D5, D6, D7, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21
301-003-00	B	DIODE POWER 1N5401 3A 100V	4	D8, D9, D10, D11
321-003-00	B	REGULATOR 7805 +5V	1	U3
321-008-00	B	REGULATOR LM317T ADJ	2	U1, U4
321-009-00	A	REGULATOR LM337T ADJ	1	U2
⚠ 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	Z8, Z9
400-093-00	A	HDR 7P .156X1 LOCKING	1	J2
400-173-00	A	TERM .25 QKDS PCMT STABLE	1	J3
400-348-00	A	TERM .187 QDISC STBL PCMT	1	J4
400-350-00	A	HDR 9P .156X1 STR	1	J1
450-258-00	B00	PCB POWER SUPPLY CMPT CFX	1	Z18
⚠ 510-002-00	C	FUSE SB .5A 5X20 250V IEC	1	F1

055-260-00-92 REV B01 PCB ASSY AC INPUT CFX

PART #	REV	DESCRIPTION	QTY	REF DESIGNATOR
040-135-00	A	DIS 18G 1010 GREEN/YELLOW 4 LGTM	1	P10
⚠ 200-023-00	B	PLY/BX .001UF 20% 250V Y2	2	C1, C2
⚠ 200-024-00	B	PLY/BX .01UF 20% 250V Y2	1	C3
⚠ 400-060-00	A	FUSE CLIP PCMT 5MM DIA	2	Z2, Z3
⚠ 400-132-00	A	IEC MALE RIGHT ANGLE PC MOUNT	1	J1
400-173-00	A	TERM .25 QKDS PC MOUNT STABLE	2	P2, P9
450-260-00	B00	PCB AC INPUT CFX	1	Z1
⚠ 500-052-00	A	SWITCH SPST POWER ROCKER RIGHT ANGLE BLK	1	SW1
700-012-00	A00	MCH 4-40X3/8 PHP CLRZC	2	Z4, Z5
705-005-00	A	NUT LOCK 4-40	2	Z8, Z9
712-020-00	A	BRACKET ANG 6-32X.037THK STL	1	BKT1
712-021-01	B	RIVET CL END .125X.062-.125	2	Z6, Z7

