

Designed by: JTA		Ver: 1.0	Code:	Parts list: LFE Crossover	Original by: JTA 1.1.2007 Updated by:
ITEM	REFERENCE	QTY	ELFA CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C1 C2 C4 C5 C10 C11 C14	7	65-777-04	CER CAPACITOR 220n 10% 50V X7R 1206	
2	C3 C9	2	67-229-87	TH EL. CAP 1000U 35V 20% 105C 12.5x25 R5	NICHICON: UHD1V102MHD SANYO: 35MV1000WX
3	C6 C12 C13 C15	4		TH EL. CAP 100u 35V 8X12 105C LOW ESR LONG LIFE R3.5	Nichicon: UPL1V101MPH Nic: NRSZ101M35V8X11.5 Elna: RJB-35V101MG3
4	C7 C8	2	67-731-62	TANTALUM 22µF 25V 20% 105C D-CASE	KEMET: T495D226M025AS
5	C16 C24-C26 C28-C31	8		CER CAPACITOR 100n 10% 50V X7R 0603	
6	C17 C22 C23	3		TH POLYESTER CAPACITOR 2u2 10% 63V R5	
7	CLPF1-CLPF4	4		TH POLYESTER CAPACITOR 470n 10% 63V R5	
8	C27	1		TH POLYESTER CAPACITOR 1u 10% 63V R5	
11	N1 N2	2	73-120-77	TH ADJ VREG LM317 1.25-37V 1.5A TO-220	NSC: LM317T
12	N7 N9	2	73-301-11	TL074 JFET QUAD OPAMP SO14	ST: TL074CD TI: TL074CD
13	N11	1		NE5532A DUAL LOW-NOISE OPAMP SO8	TI: NE5532AD
14	N3	1	73-124-73	TH ADJ VREG LM317 -37-(-1.25V) 1.5A TO-220	NSC: LM337T
15	N4 N6	2		TH OPTOCOUPLER 4N25	
16	N5	1	73-300-20	LM339 QUAD COMP SO14	MOTOROLA: LM339D NATIONAL: LM339M TI: LM339D
17	N8 N12 N13	3	73-301-03	TL072 JFET DUAL OPAMP SO14	ST: TL072CD TI: TL02CD
18	R1 R4 R11 R14	4		RESISTOR 220R 1% 100PPM 50V 63mW 0603	
19	R2 R5 R8	3		RESISTOR 2k7 1% 100PPM 50V 63mW 0603	
20	R3 R6 R9	3		RESISTOR 22k 1% 100PPM 50V 63mW 0603	
21	R7 R10	2		RESISTOR 820R 1% 100PPM 200V 250mW 1206	
22	R12 R13 R17 R18 R20 R21 R24 R26 R28 R31-R34 R51-R53 R56-R59 R67 R68 R72 R73	24		RESISTOR 10k 1% 100PPM 50V 63mW 0603	
23	R15	1		RESISTOR 47R 1% 100PPM 50V 63mW 0603	
24	R16	1		RESISTOR 680R 1% 100PPM 50V 63mW 0603	
25	R19 R23 R25 R71	4		RESISTOR 1M 1% 100PPM 50V 63mW 0603	
26	R22 R30 R35 R36 R46 R47 R54 R55	8		RESISTOR 100k 1% 100PPM 50V 63mW 0603	
27	R27	1		RESISTOR 1k 1% 100PPM 50V 63mW 0603	
28	R29	1		POWER RESISTOR 10R 5% 12.70x4.78 6W	VISHAY: CW-2B-13 10 5%
29	R37 R39 R45 R49	4		RESISTOR 10k 0.1% 25PPM 50V 0603	
30	R38 R40	2		RESISTOR 3k57 0.1% 25PPM 50V 0603	
32	R48	1		RESISTOR 2k49 0.1% 25PPM 50V 0603	
33	R50	1		RESISTOR 15k4 0.1% 25PPM 50V 0603	
34	R60	1		RESISTOR 330R 1% 100PPM 50V 63mW 0603	

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35	R61	1	64-253-26	TH POT 10k LIN 91R1	BOURNS: 91R1A-R22-B15
36	R62	1	64-251-28	TH POT 10k LOG 91R1	BOURNS: 91A1A-B28-D15
37	R63-R65	3		RESISTOR 47k 1% 100PPM 50V 63mW 0603	
38	R66 R69	2		RESISTOR 100R 1% 100PPM 50V 63mW 0603	
40	V1 V2 V4 V5 V7-V10	8	70-000-29	S1D RECTIFIER DIODE 1A 200V DO-214AC	
41	V3	1	70-088-08	DF01S 100V 1A Single Phase SMD Rectifier Bridge	
42	V6	1		TH LED 5MM GREEN	
43	V11 V13 V15	3	71-301-56	BC857B PNP 45V 100mA SOT23	
44	V12 V14	2		DIODE DUAL BAV99 75V 215mA SOT23	
45	V16	1		BCP56 NPN 80V 1A 1.3W SOT223	ONSEMI: BCP56T1 PHILIPS: BCP56
46	V17	1		TRANSZORB SMBJ30A 30V 600W DO-214AA	GI: SMBJ30A SEMTECH: SESMBJ30A
47	X1	1		CONNECTOR PHOENIX 4 PIN MCV1.5/4-G-3.81	PHOENIX: MCV1.5/4-G-3.81
48	X2-X6 X8 X10	7		CONNECTOR PHOENIX 2 PIN MCV1.5/2-G-3.81	PHOENIX: MCV1.5/2-G-3.81
49	X7	1		PINHEADER 3	AMP: 5-826629-0(6,7/2,9) BERG: 77311-118-36(5,72/3,05) BERG: 77311-102-36(5,84/3,43)
50	X9	1		PINHEADER 2	
51	R70	1		3296W PRECISION MULTITURN TRIMMER 10K 0.5W	BOURNS@3296W-1-103
52					

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Special components

Stuff as needed, exact values must be determined for each application

39	RLPF1-RLPF4 RLT10-RLT15 RLT20-RLT25	16		TH RESISTOR TBD 5M	
9	CLT10-CLT13 CLT20-CLT23	8		TH CAP TBD R5 5mm	