

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
REQUIRED CIRCUIT COMPONENTS:				
1	2	CIN1,COUT10	CAP, 220uF 20% 50V ELEC	SANYO 50CE220LX
2	7	COUT6-COUT8,CIN6,CIN7, C50,C51	CAP, 1210 10uF 10% 50V X7S	TAIYO YUDEN UMK325C7106KM-T
3	1	COUT1	CAP, 1206 22uF 20% 10V X7R	TAIYO YUDEN LMK316BJ226MN-T
4	1	COUT2	CAP, 7343 220uF 20% 6.3V POSCAP	SANYO 6TPB220ML
5	1	COUT4	CAP, 1206 4.7uF 20% 16V X7R	TDK C3216X7R1C475M
6	1	COUT5	CAP, 7343 68uF 20% 10V POSCAP	SANYO 10TPC68M
7	7	C2,C4,C17,C20,C21,C47,C52	CAP, 0603 0.1uF 10% 25V X7R	TDK C1608X7R1E104K
8	2	C11,C61	CAP, 0805 4.7uF 10% 6.3V X5R	AVX 08056D475KAT
9	4	C14,C15,C56,C62	CAP, 0603 1nF 10% 50V X7R	AVX 06035C102KAT
10	1	C41	CAP, 0603 1500pF 10% 50V X7R	AVX 06035C152KAT2A
11	1	C42	CAP, 0603 100pF 5% 50V NPO	NIC NMC0603NPO101J50TRPF
12	1	C43	CAP, 0603 68pF 10% 50V NPO	AVX 06035A680KAT
13	1	C44	CAP, 0603 2.2nF 10% 50V X7R	AVX 06035C223KAT
14	1	C53	CAP, 0603 820pF 5% 50V X7R	AVX 06035A821JAT2A
15	1	C54	CAP, 0603 10nF 10% 50V X7R	TDK C1608X7R1H103K
16	2	D2,D1	DIODE, SCHOTTKY SOD323	CENTRAL SEMI CMDSH-4E
17	1	D6	DIODE, SCHOTTKY SOD323	INFINEON BAS140W
18	1	L1	IND, 4.9uH	WURTH 744314490
19	1	L2	IND, 6.5uH uH	WURTH 744314650
20	1	L3	IND, 1.2uH	WURTH 744325120
21	4	Q1,Q2,Q3,Q4	XSTR, N-CHANNEL MOSFET	INFINEON BSZ097N04LS
22	2	Q8,Q10	XSTR, N-CHANNEL MOSFET	INFINEON BSC027N04LS
23	2	RSNS2,RSNS1	RES, 2010 0.004 OHMS 1% 1/2W	VISHAY WSL20104L000FEA
24	1	RS1	RES, 1206 0.006 OHMS 5% 1/4W	IRC LRF1206LF-01-R006-J
25	1	RS2	RES, 1206 0.008 OHMS 5% 1/4W	IRC LRF1206LF-01-R008-J
26	3	R9,R25,R86	RES, 0603 2.2 OHMS 5% 1/10W	VISHAY CRCW06032R20JNEA
27	1	R27	RES, 0603 357K OHMS 1% 1/10W	VISHAY CRCW0603357KFKEA
28	14	R29,R30,R34,R36,R39,R40,R70, R72,R73,R80,R83,R84,R87,R93	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0EA
29	2	R35,R31	RES, 0603 15K OHMS 5% 1/10W	VISHAY CRCW060315K0JNEA

30	3	R32,R33,R79	RES, 0603 68.1K OHMS 1% 1/10W	VISHAY CRCW060368K1FKEA
31	1	R43	RES, 0603 649K OHMS 1% 1/10W	VISHAY CRCW0603649KFKEA
32	3	R46,R48,R92	RES, 0603 100K OHMS 5% 1/10W	VISHAY CRCW0603100KJNEB
33	1	R75	RES, 0603 3.6k OHMS 1% 1/10W	NIC NR06J362TRF
34	1	R78	RES, 0603 499K OHMS 1% 1/10W	VISHAY CRCW0603499KFKEA
35	1	R81	RES, 0603 100 OHMS 5% 1/10W	VISHAY CRCW0603100RFKEA
36	1	U1	IC, LTC3859EFE	LINEAR TECH. LTC3859EFE
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
1	0	CIN8,C58,C59	CAP, 1210 OPTION	OPTION
2	0	COUT9,CIN9	CAP, 1210 10uF 10% 50V X7R OPTION	TAIYO YUDEN GMK316BJ106ML-T OPTION
3	0	C32,C36	CAP, 1206 OPTION	OPTION
4	0	C37,C38,C48,C49,C55,C57, C60,C63	CAP, 0603 OPTION	OPTION
5	0	D3,D4,D5	DIODE, SCHOTTKY 40V 3A OPTION	DIODES INC. B340B-13-F OPTION
6	0	D7	DIODE, ZENER OPTION	OPTION
7	0	Q5	XSTR, N-CHANNEL MOSFET OPTION	VISHAY Si4910DY OPTION
8	0	Q7,Q9,Q11	XSTR, N-CHANNEL MOSFET OPTION	OPTION
9	0	Q12-Q19	XSTR, OPTION	OPTION
10	0	R2,R3,R26,R28,R37,R38,R41, R45,R47,R51,R53,R55,R61,R62, R74,R76,R77,R85,R89,R90,R91, R94	RES, 0603 OPTION	OPTION
11	0	R82	RES, 1206 OPTION	OPTION
HARDWARE				
1	20	E1,E4,E9-E14,E22-E27,E30-E35	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
2	3	JP1,JP2,JP4	HEADER,3PIN, 2mm	SAMTEC TMM-103-02-L-S
3	1	JP3	HEADER, 4PIN	SAMTEC TMM-104-02--L-S
4	2	J8,J7	JACK, BANANA	KEYSTONE 575-4
5	4	XJP1,XJP2,XJP3,XJP4	SHUNT, 2mm	SAMTEC 2SN-BK-G
6	4		STANDOFF, SNAP ON	KEYSTONE_8833