

Item	Qty	Ref - Des	Desc	Manufacturer's Part Number
REQUIRED CIRCUIT COMPONENTS:				
1	2	CIN2,CIN1	CAP, 1206 1uF 10% 100V X7R	TDK C3216X7R2A105M
2	3	Co1,Co2,Co3	CAP, 1210 100uF 20% 6.3V X5R	MURATA GRM32ER60J107M
3	1	C1	CAP, 1206 4.7uF 20% 50V X5R	MURATA GRM31CR71H475K
4	1	C2	CAP 0402 100pF 5% 50V NPO	AVX 04025A101JAT2A
5	1	C4	CAP 0603 1uF 10% 25V X5R	AVX 06033D105KAT2A
6	1	C5	CAP 0402 10nF 10% 16V X7R	MURATA GRM155R71C103KA01D
7	1	C6	CAP 0402 0.1uF 10% 16V X5R	AVX 0402YD104KAT2A
8	1	C7	CAP 0603 0.47uF 10% 25V X5R	AVX AVX 0603YD474KAT
9	1	C8	CAP 0805 4700pF 10% 200V COG	VISHAY VJ0805Y472KXCMT
10	1	C9	CAP 1812 2200pF 10% 250V X7R	MURATA GA343QR7GD222KW01L
11	1	C12	CAP 0402 270pF 10% 50V X7R	AVX 04025C271KAT
12	1	D1	DIODE,UPS840 SCHOTTKY BARRIER RECTIFIER 40V 8A	MICROSEMI UPS840
13	2	D2,D3	DIODE, HIGH SPEED	PHILIPS SEMI BAS516
14	1	D4	DIODE, DUAL	DIODES INC. BAT54C
15	1	D5	DIODE, SWITCHING	DIODES INC. BAV21W
16	1	Q2	XSTR, N-MOSFET150V	VISHAY SILICONIX Si4848DY
17	1	RCS1	RES, 1206 0.040 OHMS 1% 1/4W	VISHAY WSL1206R0400FEA
18	1	R1	RES, 0603 51.1 OHMS 1% 1/10W	VISHAY CRCW060351R1FKEA
19	1	R3	RES, 1206 10K OHMS 5% 1/4W	VISHAY CRCW120610K0JNEA
20	1	R5	RES, 0402 36.5K OHMS 1% 1/16W	VISHAY CRCW040236K5FKED
21	1	R7	RES, 0603 8.66K OHMS 1% 1/10W	VISHAY CRCW06038K66FKEA
22	1	R8	RES, 0805 105K OHMS 1% 1/8W	VISHAY CRCW0805105KFKEA
23	1	R11	RES, 0402 499 OHMS 1% 1/16W	VISHAY CRCW0402499RFKED
24	1	R12	RES, 0402 4.22K OHMS 1% 1/16W	VISHAY CRCW04024K22FKED
25	1	R13	RES, 0402 22.1K OHMS 1% 1/16W	VISHAY CRCW040222K1FKED
26	1	R14	RES, 0402 100K OHMS 1% 1/16W	VISHAY CRCW0402100KFKEA
27	1	R20	RES, 0402 6.81K OHMS 1% 1/16W	VISHAYCRCW04026K81FKED
28	1	T1	XFMR, PA1277NL	PULSE PA1277NL
29	1	U1	IC, FLYBACK CONVERTER	LINEAR TECH. LT3758EMSE
30	1	U3	IC, OPTO COUPLER DRIVER	LINEAR TECH. LT4430ES6
31	1	U4	IC, PHOTOCOUPLER	NEC PS2801-1-F3-A

ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
1	0	C11,C3	CAP 0402 OPTION	OPTION
2	1	C10	CAP 0402 220pF 10% 25V COG	AVX 04023A221KAT2A
3	0	C15	CAP 0402 330pF 5% 50V X7R OPTION	AVX 04025C331JAT OPTION
4	0	C16	CAP 0402 0.1uF 10% 16V X5R OPTION	AVX 0402YD104KAT2A OPTION
5	0	R16,R2	RES, 0402 OPTION	OPTION
6	0	R10	RES, OPTION	OPTION
7	1	R9	RES, 0402 10K OHMS 5% 1/16W	VISHAY CRCW040210K0JNED
8	4	R4,R6,R15,R21	RES, 0402 0 OHM JUMPER	VISHAY CRCW04020000Z0ED
9	1	R18	RES, 0603 0 OHM JUMPER	VISHAY CRCW06030000Z0ED
HARDWARE				
1	1	JP1	HEADER, 3PIN, 2mm	SAMTEC TMM-103-02-L-S
2	5	E1,E4,E5,E6,E7	TURRETS	MILLMAX 2501-2-00-80-00-00-07-0
3	1	JP1	SHUNT, 2mm	SAMTEC 2SN-BK-G
4	4		STANDOFF, SNAP ON	KEYSTONE_8831