

Item	Qty	Ref -Des	Desc	Manufacturer's Part Number
REQUIRED CIRCUIT COMPONENTS:				
1	2	CIN3,CIN6	CAP, 1210 22uF 20% 25V X5R	TAIYO YUDEN TMK325BJ226MM-T
2	2	COUT1,COUT2	CAP, 7343 330uF 20% 2.5V POSCAP	SANYO 2R5TPE330MF
3	1	COUT3	CAP, 1210 47uF 20% 6.3V X5R	TDK C3225X5R0J476MT
4	1	C19	CAP, 0603 1uF 10% 25V X5R	TDK C1608X5R1E105K
5	2	C30,C20	CAP, 0603 1nF 10% 25V X7R	AVX 06033C102KAT
6	2	C24,C25	CAP, 0603 0.1uF 10% 10V X5R	AVX 0603ZD104KAT
7	1	C26	CAP, 0603 3300pF 10% 50V X7R	AVX 06035C332KAT2A
8	1	C27	CAP, 0603 2.2uF 10% 10V X5R	TDK C1608X5R1A225KT
9	1	C28	CAP, 0603 470pF 5% 50V COG	TDKC1608C0G1H471J
10	1	D2	DOIDE, CMDSH-3	CENTRAL SEMI CMDSH-3-LTC
11	1	L1	IND, 0.4uH	VITEC 59PR9875
12	1	Q1	XSTR, MOSFET	RENESAS RJK0305DPB
13	1	Q3	XSTR, MOSFET	RENESAS RJK0329DPB
14	1	RSNSE	RES, 2512 0.002 OHM 5% 1/4W	PANASONIC ERJM1WTJ2MOU
15	2	R10,R9	RES, 0603 100 OHMS 1% 1/10W	VISHAY CRCW0603100RFKEA
16	1	R30	RES, 0603 97.6K OHM 1% 1/10W	VISHAY CRCW060397K6FKEA
17	1	R31	RES, 0603 1K OHM 5% 1/10W	VISHAY CRCW06031K00JNEA
18	3	R32,R36,R41	RES, 0603 0 OHM JUMPER 1/10W	VISHAY CRC060300000Z0EA
19	1	R37	RES, 0603 2.2 OHM 5% 1/10W	VISHAY CRCW06032R20FNEA
20	1	R38	RES, 0603 49.9K OHM 1% 1/10W	VISHAY CRCW060349K9FKED
21	1	R39	RES, 0603 43.2K OHM 1% 1/10W	VISHAY CRCW060343K2FKEA
22	1	R40	RES, 0603 6.49K OHM 1% 1/10W	VISHAY CRCW06036K49FKEA
23	1	R46	RES, 0603 200K OHM 1% 1/10W	VISHAY CRCW0603200KFKEA
24	1	U1	IC, SYNCHRONOUS BUCK CONVERTER	LINEAR TECH LTC3851AEUD
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:				
1	1	CIN1	CAP, 150uF 20% 16V	SANYO 16SVP150M
2	0	CIN4,CIN5,CIN7	CAP, 1210 22uF 20% 25V X5R OPTION	TAIYO YUDEN TMK325BJ226MM-T OPTION

3	0	C18,R27,R29	OPTION	OPTION/TBD
4	1	C22	CAP, 0603 10nF 10% 25V X7R	AVX 06033C103KAT2A
5	0	C23,C29,C32	CAP, 0603 OPTION	OPTION
6	1	C31	CAP, 0805 4.7uF 20% 10V X5R	TDK C2012X5R1A475M
7	0	Q2,Q4,R35,R43-R45,R47,R48	OPTION	OPTION
8	0	Q5	XSTR, MOSFET, DUAL N-CHANNEL OPTION	VISHAY Si4816BDY OPTION
9	0	R1	RES, 0603 10 OHM 5% 1/10W OPTION	VISHAY CRC060310R0JNEA OPTION
10	0	R42	RES, 0603 OPTION	OPTION
HARDWARE				
1	8	E1,E2,E4,E5,E6,E7,E8,E9	TURRET, .090	MILL-MAX 2501-2-00-80-00-00-07-0
2	2	JP1,JP2	HEADER, 3 PIN	SAMTEC TMM-103-02--L-S
3	1	JP3	HEADER, 4PIN	SAMTEC TMM-104-02--L-S
4	4	J1,J2,J3,J4	JACK, BANANA	KEYSTONE 575-4
5	3	JP1,JP2,JP3	SHUNT	SAMTEC 2SN-BK-G
6	4		STANDOFF, SNAP ON	KEYSTONE_8832