

	Qty	Reference	Part Description	ManUFACTURE / Part #
REQUIRED CIRCUIT COMPONENTS				
1	2	CIN2,CIN1	Cap., X7R 6.8uF 50V 20%	TDK C4532X7R1H685MT 1812
2	1	CO1	Cap., X5R 100uF 6.3V	TDK C4532X5R0J107M 1812
3	1	CSYS	Cap., Poscap 470uF 6.3V	SANYO, 6TPE470M 7343
4	1	CU1	Cap., X7R 4.7uF 16V	Taiyo Yuden EMK316BJ475ML 1206
5	1	C2	Cap., NPO 1500pF 200V 5%	AVX 12062A152JAT1A
6	2	C3,C23	Cap., X5R 1uF 16V 20%	Taiyo Yuden EMK107BJ105MA 0603
7	2	C5,C16	Cap., X5R 0.22uF 25V 20%	AVX 08053D224KAT
8	1	C7	Cap., X7R 220pF 50V 10%	AVX 06035C221KAT1A
9	2	C8,C9	Cap., X7R 100pF 50V 10%	AVX 06035C101KAT1A
10	1	C10	Cap., X7R 0.1uF 50V 10%	AVX 06035C104KAT1A
11	1	C11	Cap., X7R 0.01uF 50V 10%	AVX 06035C103KAT1A
12	1	C12	Cap., X7R 470pF 50V 10%	AVX 06035C471KAT1A
13	1	C13	Cap., X7R 0.47uF 10V 20%	AVX 0603ZC474KAT
14	2	C14,C19	Cap., X5R 1uF 10V 10%	AVX 0805ZD105KAT1A
15	1	C15	Cap., X7R 2200pF 250V 10%	Murata,GA343QR7GD222KW01L 1812
16	1	C17	Cap., X7R 4700pF 10V 10%	AVX 0603ZC472KAT1A
17	1	C18	Cap., X7R 10pF 50V 10%	AVX 06035C100KAT1A
18	1	C24	Cap., X7R 47pF 50V 10%	AVX 06035C470KAT1A
19	3	D2,D3,D11	Diode, High-Speed Diode	Phillips Semi. BAS516 SOD-523
20	1	D5	Diode, Voltage Regulator	Phillips Semi. PDZ9.1B SOD-323
21	1	D6	Diode, Schottky Power Rectifier	Diodes Inc. B0540W SOD-123
22	1	D9	Diode, Voltage Regulator	Phillips Semi. PDZ7.5B SOD-323
23	1	D10	Diode, Schottky Barrier	Phillips Semi. BAT760 SOD-323
24	1	L1	Inductor, 1.5uH, L-CDEP147	SUMIDA CDEP147NP-1R5MC-95
25	1	L2	Inductor, 1.5mH	Coilcraft DO1607B-155ML-C
26	1	Q1	Mosfet, N-Channel Power Switching	Renesas HAT2244H LPAK
27	2	Q2,Q3	Mosfet, N-Channel Power Switching	Renesas HAT2165H LPAK
28	1	Q9	Trans., NPN Medium Power transistor	Phillips Semi. BCX55 SOT89
29	1	Q10	Trans., NPN High voltage transistor	Phillips Semi. PZTA42 SOT223
30	1	Q12	Trans., PNP general purpose transistor	Phillips Semi. BC856T SOT490
31	1	RCS1	Res., Chip 0.008 1/2W 1%	Vishay Dale WSL2010-0.008-1%-R86
32	1	R1	Res., Chip 2.2 1/10W 5%	AAC CR16-2R2JM
33	1	R42	Res., Chip 0	Vishay CRCW0603000ZSTA
34	2	R5,R31	Res., Chip 10 1/10W 5%	AAC CR16-100JM
35	1	R8	Res., Chip 2.2 1/10W 5%	AAC CR10-2R2JM 0805
36	1	R9	Res., Chip 47 1/10W 5%	AAC CR16-470JM

37	1	R10	Res., Chip 1K 1/10W 5%	AAC CR10-102JM	0805
38	2	R14,R11	Res., Chip 33K 1/10W 5%	AAC CR16-333JM	
39	2	R29,R13	Res., Chip 22K 1/10W 5%	AAC CR16-223JM	
40	1	R15	Res., Chip 115K 1/10W 1%	AAC CR16-1153FM	
41	1	R16	Res., Chip 10K 1/10W 5%	AAC CR10-103JM	0805
42	1	R17	Res., Chip 560 1/10W 5%	AAC CR16-561JM	
43	2	R18,R21	Res., Chip 10K 1/10W 5%	Vishay CRCW0603103JRT6	
44	1	R19	Res., Chip 38.3K 1/10W 1%	AAC CR16-3832FM	
45	1	R20	Res., Chip 66.5K 1/10W 1%	AAC CR16-6652FM	
46	1	R22	Res., Chip 13.3K 1/10W 1%	AAC CR16-1332FM	
47	1	R23	Res., Chip 910 1/10W 5%	AAC CR16-911JM	
48	1	R24	Res., Chip 82K 1/10W 5%	AAC CR16-823JM	
49	1	R26	Res., Chip 220 1/10W 5%	AAC CR16-221JM	
50	1	R27	Res., Chip 270 1/10W 5%	AAC CR16-271JM	
51	1	R28	Res., Chip 196K 1/10W 1%	AAC CR16-1963FM	
52	1	R30	Res., Chip 1.2K 1/10W 5%	AAC CR16-122JM	
53	1	R32	Res., Chip 332K 1/10W 1%	AAC CR16-3323FM	
54	1	R33	Res., Chip 158K 1/10W 1%	AAC CR16-1583FM	
55	1	R34	Res., Chip 4.42K 1/10W 1%	AAC CR16-4421FM	
56	1	R35	Res., Chip 137K 1/10W 1%	AAC CR10-1373FM	0805
57	1	R38	Res., Chip 18.2K 1/10W 1%	AAC CR16-1822FM	
58	1	T1	Transformer, SMT	Pulse Eng., PA0872.004	
59	1	T2	Transformer, SMT Gate Drive Transformers	Pulse Eng. PE-68386	
60	1	U1	I.C., PWM Controller	Linear Tech. LT1952EGN-1	
61	1	U2	I.C., High Speed, High Voltage High Side Gate Driver	Linear Tech. LTC4440ES6-5	
62	1	U4	I.C., Secondary-Side Optocoupler Driver	Linear Tech. LT4430ES6	
63	1	U5	I.C., Synchronous Rectifier Driver for Forward Converter	Linear Tech. LTC3900CS8	
64	1	U6	I.C., High Isolation Voltage SOP Photocoupler	NEC PS2801-1	
ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS					
1	0	CIN3,CO2,CO3	Cap.,	OPT	1812
2	1	C4	Res., Chip 0	Vishay CRCW0603000ZSTA	
3	0	C6	Cap.,	OPT	0805
4	0	C21	Cap.,	OPT	0603
5	0	C25	Cap.,	OPT	1206
6	1	C26	Cap., X7R 220pF 50V 10%	AVX 06035C221KAT1A	
7	3	C27,C28,C29	Cap., X7R 0.1uF 50V 10%	AVX 06035C104KAT1A	
8	1	C30	Cap., X7R 100pF 50V 10%	AVX 06035C101KAT1A	

9	3	D1, D12,D14	Diode, High-Speed Diode	Phillips Semi. BAS516	SOD-523
10	0	D7,D8	Diode, Schottky Power Rectifier	OPT	SOD-123
11	1	D13	Diode, Voltage Regulator OPT	Phillips Semi. PDZ5.1B	SOD-323
12	0	L3	Inductor,	OPT	
13	1	Q13	Mosfet, SMPS, SO8 OPT	IR, IRF6217	
14	2	R3, R7,	Res., Chip 0	Vishay CRCW0603000ZSTA	
15	0	R6,R43,R46	Res., 0603	OPT	
16	1	R44	Res., Chip 10.7K 1/10W 1%	AAC CR16-1072FM	
17	2	R45,R47	Res., Chip 10K 1/10W 5%	Vishay CRCW0603103JRT6	
18	1	R48	Res., Chip 150 1/10W 5%	AAC CR16-151JM	
19	1	U3	I.C., 74VHC123AMTC, TSSOP16	FAIRCHILD SEMI., 74VHC123AMTC	
20	1	U7	I.C., LTC4440ES6, SOT23-6	Linear Tech. LTC4440ES6	
HARDWARE FOR DEMO BOARD ONLY					
1	6	TP1,TP2,TP3,TP4,TP5,TP6	Testpoint, Turret, .094"	MILL-MAX 2501-2	
2	4	AT 4 CORNERS	Bumpon, transparent and true white	3M BUMPON SJ-5303	