

Item	Qty	Reference	Description	Size	Value	Part Number	MFR
1	1	D2	Switching Diode, 0.2A,/200V	SOT23	0.2A, 200V	BAS20LT1G	ON Semiconductor
2	1	C7	CAP CER 3.3UF 10V 10% X5R 0603	0603	3.3uF/10V	GRM188R61A335KE15D	muRata
3	1	C5	Capacitor, Ceramic	0603	NA		muRata
4	1	C16	Capacitor, Ceramic	0603	NA		muRata
5	3	C8 C13 C15	Capacitor, Ceramic	1210	NA		muRata
6	1	C2	Metallized Polypropylene File, CBB21, 0.1uF/450V,		0.1uF		Epcos
7	1	C3	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	1206	2.2nF/630V	GRM31BR72J222KW012	muRata
8	1	D1	Bridge Rectifier, 600V, 1A	DFS	1A/600V	DF06S	DIODES/Vishay
9	1	D5	DIODE ULTRA FAST 3A 300V SMC	SMC	3A,300V	ES3F-E3/57T	Vishay
10	1	D3	Standard Rectifier, 1A, 1000V	SMA	1A, 1000V	M7	ON/Diodes
11	1	F1	FUSE 300V TL TE5 LL AMMO 1A		1A/300Vac (T)	3691100000	Littlefuse
12	1	L4	Common choke,T6-3-2,0.15mH	T6-3-2	150uH	T6-3-2	BOCHANG
13	1	L3	Common choke,EI-11.6,30mH	EI-11.6	30mH	EI-11.6	BOCHANG
14	1	L2	0.6mm Jumper			STD	STD
15	1	L1	I-inductor, 2mH/0.5A, size: 8mm*10mm		2mH	DR8-10	BOCHANG
16	1	C9	Capacitor, film, 0.047 uF, +/-20% Tol, -40/+125C, Safety: X2, 275VAC		47nF/X2	R46KF2470DQH1M	KEMET
17	0	C9	FILM CAP 47NF 10% 305V MKP X2		47nF/X2	B32921C3473K	Epcos
18	1	C1	Capacitor, film, 0.068 uF, +/-20% Tol, -40/+125C, Safety: X2, 275VAC		68nF/X2	R46KF2680DQH1M	KEMET
19	0	C1	CAP FILM 68NF 10% 305V MKP X2		68nF/X2	B32921C3683K	Epcos
20	1	C14	CAP CER 2200PF 250V 20% RADIAL		222/Y1	DE1E3KX222MA4BL01	Murata
21	1	T1	ECR28 Transformer, 460uH	ECR28	460uH		BOCHANG
22	2	R5 R24	Resistor, Chip, 1/8W, 1%	0805	10R	STD	Yageo
23	1	R9	Resistor, Chip, 1/10W, 1%	0603	18K	STD	Yageo
24	1	R2	Resistor, Chip, 1/8W, 1%	0805	240K	STD	Yageo
25	1	R13	Resistor, Chip, 1/10W, 1%	0603	51K	STD	Yageo
26	1	R10	Resistor, Chip, 1/10W, 1%	0603	6.8K	STD	Yageo

27	1	R8	Resistor, Chip, 1/8W, 1%	0805	91K	STD	Yageo
28	2	R17 R20	Resistor, Chip, 1/10W, 1%	0603	NA		Yageo
29	1	R25	Resistor, Chip, 1/8W, 1%	0805	NA		Yageo
30	1	R14	Resistor, 1206, 1/4W, 1%	1206	0.68R	STD	Yageo
31	1	R15	Resistor, 1206, 1/4W, 1%	1206	8.2R	STD	Yageo
32	1	R1	Resistor, Chip, 1/8W, 1%	0805	10K	STD	Yageo
33	2	R6 R7	Resistor, Chip, 1/4W, 1%	1206	100K	STD	Yageo
34	1	R3	Resistor, Chip, 1/4W, 5%	1206	68R	STD	Yageo
35	2	R4 R21	Resistor, Chip, 1/4W, 1%	1206	82K	STD	Yageo
36	2	R18-19	Resistor, Chip, 1/4W, 1%	1206	NA		Yageo
37	2	R22-23	Resistor, Chip, 1/4W, 5%	1206	NA		Yageo
38	2	C11-12	CAP ALUM 330UF 63V 20% RADIAL	10mm(die.)x20mm(hight)	330uF/63V	ECA1JHG331	Panasonic
39	1	C4	CAP ALUM 33UF 35V 20% RADIAL	6.3mm(die.)x7mm(hight)	33uF/35V	ECE-A1VKA330	Panasonic
40	1	D4	Switching diode, 0.2A, 100V	SOD323	0.2A,200V	MMDL914T1G	ON Semiconductor
41	1	D6	DIODE SWITCH 75V 200MW SOD323	SOD323	0.2A,200V	1N4148WS	DIODES/Vishay
42	1	D7		SOD323	NA		DIODES/Vishay
43	4	L LED+ LED- N	2.54mm Pin Header			61300111121	Würth
44	1	U1	Off-Line Primary Side Sensing Controller with PFC in 8-SOIC	S0-8	TPS92314D	TPS92314D	TI
45	1	Q4		SOT23	NA		
46	1	Q1	MOSFET N-CH 600V 2A DPAK	TO-252	2A 600V	STD2HNK60Z	ST

Note: Devices with fields marked as NA can be chosen at the option of the designer.

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