item	Qty	Ref.	Туре	PN	Value	Package	Manufacturer	Description
1	1	D2	Switching diode	BAS20LT1G	0.2A, 200V	SOT23	ON Semiconductor	Switching Diode, 0.2A,/200V
2	1	C5	Ceramic	std	22pF/10v	603	Std	Capacitor, Ceramic
3	1	C7	Ceramic	std	225/10v	603	Std	Capacitor, Ceramic
4	1	C10	Ceramic	std	470pF	603	Std	Capacitor, Ceramic
5	1	C12	Ceramic	std	NA	603	Std	NA
6	2	C1-2	Ceramic	C3216X7T2W104M	104/450v	1206	TDK	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]
7	1	C3	Ceramic	C3216X7R2J332K	3.3nF/630v	1206	TDK	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]
8	1	C8	Ceramic	C3216X7T2W104M	NA	1206	TDK	NA
9	1	D1	Bridge rectifier	MB6S	0.5A/600V	SOIC4	FSC/others	Bridge Rectifier, 600V, 0.5A
10	1	D5	Ultrafast diode	MBRA2H100T3G	2A,200V	SMA	ON/Diodes	Diode,ultra fast, 2A/200V
11	1	D3	General rectifier	4007/SMA	1A, 1000V	SMA	ON/Diodes	Standard Rectifier, 1A, 1000V
12	1	T1	Transformer	EFD15				EFD15, 10pin Horizontal bobbin
13	1	F	Fuse	0263.500WRT1L	0.5A	Axial lead	Littlefuse	FUSE, 1A
14	2	L1-2	Inductor		5.1mH	lead	Ledpower	Radial leaded wire wound inductor,6mm*8.5mm,5.1mH, 5%
15	1	R5	Resistor	Resistor	10R	603	Std	Resistor, Chip, 1/5W, 5%
16	1	R8	Resistor	Resistor	180k	805	Std	Resistor, Chip, 1/4W, 1%
17	1	R9	Resistor	Resistor	68k	603	Std	Resistor, Chip, 1/8W, 1%
18	1	R10	Resistor	Resistor	9.1k	603	Std	Resistor, Chip, 1/8W, 1%
19	1	R11	Resistor	Resistor	0R	805	Std	Resistor, Chip, 1/5W, 5%
20	1	R12	Resistor	Resistor	4.7k	603	Std	Resistor, Chip, 1/8W, x%
21	1	R13	Resistor	Resistor	51k	603	Std	Resistor, Chip, 1/8W, 5%
22	1	R17	Resistor	Resistor	910k	603	Std	Resistor, Chip, 1/8W, 1%
23	1	R20	Resistor	Resistor	100k	603	Std	Resistor, Chip, 1/8W, 1%
24	1	R21	Resistor	Resistor	47k	603	Std	Resistor, Chip, 1/8W, x%
25	1	R14	Resistor	Resistor	2R7	805	Std	Resistor, Chip, 1/5W, 1%

26	1	R15	Resistor	Resistor	8R2	805	Std	Resistor, Chip, 1/5W, 1%
27	1	R16	Resistor	Resistor	4R7	1206	Std	Resistor, Chip, 1/4W, 5%
28	2	R1-2	Resistor	Resistor	10k	805	Std	Resistor, Chip, 1/5W, 5%
29	1	R3	Resistor	Resistor	180R	1206	Std	Resistor, Chip, 1/4W, 5%
30	1	R4	Resistor	Resistor	270K	1206	Std	Resistor, Chip, 1/4W, 1%
31	1	R6	Resistor	Resistor	150K	1206	Std	Resistor, Chip, 1/4W, 5%
32	2	R18-19	Resistor	Resistor	6.8M	1206	Std	Resistor, Chip, 1/4W, 1%
33	1	R7	Resistor	Resistor	150K	1206	Std	Resistor, Chip, 1/4W, 5%
34	1	C4	Electrolytic capacitor	Electrolytic capacitor	22uF/35V	5mm(die.)	Capxon	size, 5mmx7mm
35	1	C9	Electrolytic capacitor	Electrolytic capacitor	470uF/16V	8mm(die.)	Capxon	size, 8mmx11.5mm
36	1	D4	Switching diode	MMDL914T1	0.2A,200V	SOD323	ON Semiconductor	Switching diode, 0.2A, 100V
37	1	D6	Switching diode	NA	0.2A,200V	SOD323	ON Semiconductor	NA
38	4	L,N&LED+	,LED-					AC input and LED output pin,
39	1	U1	Controller	TPS92310		MSOP-10	TI	Primary current sense controller
40	1	Q1	MOSFET	STD3N80Z-1	3A, 800V	IPAK	ON/FSC/Infineon	MOSFET, N-ch, 800V, 3A
41	2	Q3-4	MOSFET	2N7002L	0.2A, 60V	SOT23	ON/FSC/Infineon	MOSFET, N-ch, 60V, 0.2A

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