

Item	Qty	Reference	Type	Part Name	MFR	Value	Package	Description
1	1	C1	Ceramic	C3225X7T2W224K	TDK	224,450V	1210	Capacitor, Ceramic, 1210, 10%
2	1	C4	Ceramic	C2012X7R1E475K	TDK	4.7uF,25V	805	Capacitor, Ceramic, Chip, 10%, 0805
3	1	C6	Ceramic	Std	Std	NA	603	Capacitor, Ceramic, 0603, 5%
4	1	C8	Ceramic	Std	std	0.1uF,50v	603	Capacitor, Ceramic, 10%, 0603
5	1	J1	USB connector	67329-8020	Molex			USB connector, Type a, Receptacle, Up right,/Vertical single
6	1	D1	Bridge rectifier	MB6S	FSC/others	0.5A,600V	SOIC4	Bridge Rectifier, 600V, 0.5A
7	1	D4	Schottky Diode	PDS1045L	Diodes	10A,45V	POWERDI	Diode,Schottky, 10A, 45V
8	1	D2	Switching diode	BAS21HT1G/SOD323	ON	0.2A,200V	SOD323	Switching diode, 0.2A, 200V, SOD323
9	1	D3	Ultrafast diode	DFLU140	Diodes	1A, 400V	SOD123	Ultrafast diode, 1A, 400V, SOD123
10	1	T1	Transformer	750341872	Mid-com		SMD	EPC13, 10pin Horizontal bobbin
11	1	FR	Fuse	20T-010H	Holly	1A, 250V	R1/4WA	Micro fuse(resistor type fuse), 1A, 250V
12	1	Q1	npn power transistor	13003	std		TO-126	NPN POWER TRANSISTOR,
13	1	L1	Radial leaded eire wound	7447462102	Würth Electronic	1mH		Radial leaded
14	1	R3	Resistor	Std	Std	330K	603	Resistor, Chip, 1/8W, 1%
15	1	R4	Resistor	Std	Std	47R	603	Resistor, Chip, 1/8W, 1%
16	1	R7	Resistor	Std	Std	39k	603	Resistor, Chip, 1/8W, 1%
17	1	R8	Resistor	Std	Std	82k	805	Resistor, Chip, 1/5W, 1%
18	1	R9	Resistor	Std	Std	33k	603	Resistor, Chip, 1/8W, 1%
19	1	R10	Resistor	Std	Std	470	603	Resistor, Chip, 1/8W, 1%
20	1	R11	Resistor	Std	Std	0R	603	Resistor, Chip, 1/8W, 1%
21	1	R16	Resistor	Std	Std	47k	603	Resistor, Chip, 1/8W, 1%
22	2	R17 R19	Resistor	Std	Std	51k	603	Resistor, Chip, 1/8W, 1%
23	1	R18	Resistor	Std	Std	75k	603	Resistor, Chip, 1/8W, 1%
24	1	R12	Resistor	Std	Std	2.2	805	Resistor, Chip, 1/5W, 1%
25	1	R13	Resistor	Std	Std	11	805	Resistor, Chip, 1/5W, 1%
26	1	R1	Resistor	Std	Std	10k	805	Resistor, Chip, 1/5W, 1%
27	1	R2	Resistor	Std	Std	470R	805	Resistor, Chip, 1/5W, 1%
28	1	R15	Resistor	Std	Std	NA	805	Resistor, Chip, 1/5W, 1%,
29	1	R14	Resistor	Std	Std	6.2k	805	Resistor, Chip, 1/5W, 1%
30	1	R5	Resistor	Std	Std	100k	805	Resistor, Chip, 1/5W, 1%
31	1	C2	Electrolytic capacitor	UVC2G8R2MPD	Nichicon	8.2uF,400V		8mm(die.):size,8mmx16mm
32	1	C5	Electrolytic capacitor	H7 series	TEAPO	220uF,6.3V		6.3mm(die size, 6.3mmx7mm
33	1	C7	Solid electrolytic capacitor	6SEPC680MW	Panasonic	680uF,6.3V		6.3mm(die size, 6.3mmx9mm
34	1	U1	PSR controller	UCC28720	TI			
35	1	D5	TVS	SMAJ150A	Vishay	150V,400W	SMA	TVS, 150V, 400W, SMAJ150A, SMA
36	2	L N						5cm length, red wire

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