

Item	QTY	REF.	TYPE	Part number	Mfr.	Value	Size	Description
1	1	C1	Ceramic	C3225X7T2W224K	TDK	224/450V	1210	Capacitor, Ceramic, 224, 450V, 1210, 10%
2	1	C4	Ceramic	C2012X7R1H684K	TDK	0.68uF/50V	805	Capacitor, Ceramic, Chip, 0.68uF,50v, 10%, 0805
3	1	C6	Ceramic	Std	Std	NA	603	NA
4	1	C8	Ceramic	Std	std	0.1uF	603	Capacitor, Ceramic, 0.1uF, 10v, 10%, 0603
5	1	J1	USB connector	Molex 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	Schotty Diode	B340LB	Vishay/Diodes	3A/40V	SMB	Diode,Schotty, 3A, 40V,SMB
8	1	D2	Switching diode	BAS21HT1G	ON	0.2A,250V	SOD323	Switching diode, 0.2A, 250V, SOD323
9	1	D3	Ultrafast diode	DFLU140	Diodes	1A, 400V	SOD123	Ultrafast diode, 1A, 400V, SOD123
10	1	T1	Transformer	750341657	Mid-com		EPC13	EPC13, 10pin Horizontal bobbin
11	1	FR	Fuse	20T-010H	Holly	1A, 250V	Radial leaded	Resistor Fuse, 1A, 250V
12	1	Q1	NMOSFET	STD2HMK60Z-1	ST	2A, 600V	IPAK	NMOS, 2A, 600V, IPAK
13	1	L1	Radial leaded eire wound inductor	7447462102	Würth Electronic	1mH		5mm*8mm inductor, 1mH
14	1	R3	Resistor	Std	Std	1M	603	Resistor, Chip, 1M, 1/8W, 1%, 0603
15	1	R4	Resistor	Std	Std	47R	603	Resistor, Chip, 33R, 1/8W, 1%, 0603
16	1	R7	Resistor	Std	Std	39k	603	Resistor, Chip, 1/8W, 1%, 0603
17	1	R8	Resistor	Std	Std	150k	805	Resistor, Chip, 150k, 1/5W, 1%, 0805
18	1	R9	Resistor	Std	Std	33k	603	Resistor, Chip, 33k, 1/8W, 1%, 0603
19	1	R10	Resistor	Std	Std	220	603	Resistor, Chip, 220, 1/8W, 1%, 0603
20	1	R11	Resistor	Std	Std	0R	603	Resistor, Chip, 0R, 1/8W, 1%, 0603
21	1	R16	Resistor	Std	Std	47k	603	Resistor, Chip, 47k, 1/8W, 1%, 0603
22	2	R17 R19	Resistor	Std	Std	51k	603	Resistor, Chip, 51k, 1/8W, 1%, 0603
23	1	R18	Resistor	Std	Std	75k	603	Resistor, Chip, 75k, 1/8W, 1%, 0603
24	1	R12	Resistor	Std	Std	2R2	805	Resistor, Chip, 2R2, 1/5W, 1%, 0805
25	1	R13	Resistor	Std	Std	6R2	805	Resistor, Chip, 6R2, 1/5W, 1%, 0805
26	1	R1	Resistor	Std	Std	10k	805	Resistor, Chip, 10k, 1/5W, 1%, 0805
27	1	R2	Resistor	Std	Std	100R	805	Resistor, Chip,100R, 1/5W, 1%, 0805
28	1	R15	Resistor	Std	Std	NA	1206	NA
29	1	R14	Resistor	Std	Std	9.1k	805	Resistor, Chip, 9.1k, 1/5W, 1%, 0805
30	1	R5	Resistor	Std	Std	100k	805	Resistor, Chip, 100k, 1/5W, 1%, 0805
31	1	C2	Electrolytic capacitor	Teapo SH series	TEAPO	6.8uF/400V	8mm(die.)x16mm(hight)	
32	1	C5	Electrolytic capacitor	Teapo SY series	TEAPO	470uF/6.3V	6.3mm(die.)x11.5mm(hight)	
33	1	C7	Solid capacitor	Teapo CH series	TEAPO	560uF/6.3V	6.3mm(die.)x8mm(hight)	

34	1	U1	controller	UCC28710	TI			
35	1	D5	TVS	SMAJ120A	Vishay	120V,400W	SMA	TVS, 120V, 400W, SMAJ120A, SMA

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