

Item	QTY	REF.	TYPE	Part number	Mfr.	Value	Size	Description
1	1	Q2	Transistor	MMBT2907LT1G	ON Semiconductor	0.5A, -40V	SOT23	PNP, 0.5A, -40V, SOT23
2	1	D2	Switching diode	BAS21LT1G	ON Semiconductor	0.2A, 200V	SOT23	Switching Diode, 0.2A,/200V
3	1	C4	Ceramic	C2012X7R1H225K	TDK	2.2uF/50V	805	Capacitor, Ceramic, 2.2uF, 50V, 10%, 0805
4	1	C5	X2 CAP					NA
5	1	C6	Ceramic Capcitor					NA
6	1	C11	Ceramic Capcitor					NA
7	1	C9	Ceramic	std	std	0.1u	805	Capacitor, Ceramic, 0.1u, 50V, 10%, 0805
8	1	C3	Ceramic	C3216C0G2J471J	TDK	470pF/630v	1206	Capacitor, Ceramic, 470pF, 630V, 5%, 1206
9	1	D1	Bridge rectifier	MB6S	FSC/others	0.5A/600V	SOIC4	Bridge Rectifier, 600V, 0.5A
10	1	D5	Schotty Diode	MBRD5H100G	ON	5A,100V	DPAK	Diode,Schotty, MBRD5H100G, 5A, 100V, DPAK
11	1	VR	Varistor	820513011	Wueth	10D471K	lead pin	Varistor, Wueth, 10D471K
12	1	D3	General rectifier	MURA160	ON/Diodes	1A, 1000V	SMA	Standard Rectifier, 1A, 1000V
13	1	FB1	Ferrite bead	B29RH3.5X5X0.8SR35T-1	B&F electronics		radial leaded	ferrite bead, B29RH3.5X5X0.8SR35T-1
14	1	FB2	Ferrite bead	B29RH3.5X5X0.8SR35T-1	B&F electronics		radial leaded	ferrite bead, B29RH3.5X5X0.8SR35T-1
15	1	F1	Fuse	3691100000	Littlefuse	300V, 1A	leaded pin	Square fuse, 1A/300V, size: 8.5mm(L)X4(W)mmX8mm(H)
16	1	JP1	jumper				custom, 15mm length	jumper, 15mm, 0.6mm wire
17	2	JP2-3	jumper	resistor		0R	1206	jumper, 0R, 1206
18	1	Q1	NMOSFET	STD04N60K3	ST	4A, 600V	DPAK	NMOS, 2A, 600V, DPAK
19	1	RT	NTC	B57236S0309M051	EPCOS	3ohm, 5A	lead type	NTC, EPCOS, B57236S0309M051, 3ohm, 5A, 5mm pin distance
20	1	T1	Transformer	EF20	Wueth			EF20, 10pin Horizontal bobbin
21	1	L1	Radial leaded eire wound inductor	7447462102	Wueth Electronic	1mH	leaded pin	Radial leaded eire wound inductor, 1mH, 5mmx8mm
22	1	L2	Radial leaded eire wound inductor					NA

23	1	C10	Y CAP	B2GA102KYNS	TDK	102/Y1	leaded pin	Y1 CAP, 1000pF,Lead space, 10mm
24	1	R7	Resistor	Resistor	Std	22R	805	Resistor, 22R, 1/5W, 1%, 0805
25	1	R8	Resistor	Resistor	Std	150k	805	Resistor, 150K, 1/5W, 1%, 0805
26	1	R9	Resistor	Resistor	Std	24.4k	805	Resistor, 24.4K, 1/5W, 1%, 0805
27	1	R10	Resistor					NA
28	1	R11	Resistor	Resistor	Std	2.2k	805	Resistor, 2.2K, 1/5W, 1%, 0805
29	1	R12	Resistor	Resistor	Std	47k	805	Resistor, 47K, 1/5W, 5%, 0805
30	1	R13	Resistor	Resistor	Std	1R	1206	Resistor, 1R, 1/4W, 1%, 1206
31	1	R14	Resistor	Resistor	Std	6R8	1206	Resistor, 6.8R, 1/4W, 1%, 1206
32	1	R1	Resistor	Resistor	Std	10k	805	Resistor, Chip, 1/5W, 5%
33	1	R2	Resistor	Resistor	Std	0R	805	Resistor, 0R, 1/5W, 5%, 0805
34	1	R3	Resistor	Resistor	Std	0R	1206	Resistor, 0R, 1/4W, 5%, 1206
35	1	R4	Resistor	Resistor	Std	270K	1206	Resistor, 270k, 1/4W, 1%, 1206
36	1	R6	Resistor	Resistor	Std	1.6M	1206	Resistor, 1.6M, 1/4W, 1%, 1206
37	1	R15	Resistor					NA
38	1	R16	Resistor	Resistor	Std	9.1k	805	Resistor, 9.1K, 1/5W, 1%, 0805
39	1	R5	Resistor	Resistor	Std	1.6M	1206	Resistor, 1.6M, 1/4W, 1%, 1206
40	2	C1-2	Electrolytic capacitor	TEAPO SH series	TEAPO	10uF/400V	10mm(die.)x16mm(hight)	Aluminum electrolytic capacitor, 330uF, 35V, 10mmx16mm
41	2	C7-8	Electrolytic capacitor	Electrolytic capacitor	TEAPO	330uF/35V	10mm(die.)x16mm(hight)	Aluminum electrolytic capacitor, 330uF, 35V, 10mmx16mm
42	1	D4	Switching diode	4148	std	0.2A,200V	SOD123	Switching diode, 0.2A, 100V
43	1	L N						2pin header, 8mm distance
44	1	12V GND						4pin header, 2.5mm distance
45	1	U1	PSR controller	UCC28700	TI			PSR controller, UCC28700

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