

Item	Qty	Reference	Type	Part Name	MFR	Value	Package	Description
1	1	C4	Ceramic Capacitor	KSH105M400S1A5H1CK	TEAPO	10uF,25V	5mm(die.)x11mm(high)	size,5mmx11mm Capacitor, Ceramic, Chip, 5%
2	1	C6	Ceramic Capacitor	Std	Std	NA	603	Capacitor, Ceramic, Chip, 5%
3	1	C7	Ceramic Capacitor	C3216C0G2J471J	TDK	470pF,630V	1206	Capacitor, Ceramic, Chip, 5%
4	1	C8	Ceramic Capacitor	Std	Std	0.1uF,50v	603	Capacitor, Ceramic, 10% Standard
5	1	D1,D6	Standard rectifier	DFLR1600	Diodes	1A,600V	SOD123FL	Rectifier, 1A, 600V
6	1	D7	Schotty Diode	PDS5100	Diodes	5A,40V	POWERDI	Diode,Schotty, 5A, 100V
7	1	D6	Switching diode	BAS20HT1G	ON	0.2A,200V	SOD323	Switching diode, SMD
8	1	Q1	nnp power transistor	MJE13003	Std	1.5A,450V	TO-251	nnp power transistor
9	1	L1	Axial leaded fixed inductor	7447462471	Wurth	470uH	5mm(D)x8mm(H)	Axial leaded fixed inductor
10	1	T1	Transformer	750341914	WE-Midcom			EE16-10pin
11	1	R2	Resistor	Std	Std	510K	603	Resistor, Chip, 1/8W, 1%,
12	1	R4	Resistor	Std	Std	10R	805	Resistor, Chip, 1/5W, 1%
13	1	R7	Resistor	Std	Std	39k	603	Resistor, Chip, 1/8W, 1%
14	1	R8	Resistor	Std	Std	62K	805	Resistor, Chip, 1/5W, 1%
15	1	R9	Resistor	Std	Std	36k	603	Resistor, Chip, 1/8W, 1%
16	1	R10	Resistor	Std	Std	1.5k	805	Resistor, Chip, 1/8W, 1%
17	1	R3	Resistor	Std	Std	220	1206	Resistor, Chip, 1/4W, 1%
18	1	R6	Resistor	Std	Std	300k	1206	Resistor, Chip, 1/4W, 1%
19	1	R12	Resistor	Std	Std	4.3	805	Resistor, Chip, 1/5W, 1%
20	1	R13	Resistor	Std	Std	3.3	805	Resistor, Chip, 1/5W, 1%

21	1 R1	Resistor	Std	Std	10k	805	Resistor, Chip, 1/5W, 1%
22	1 R15	Resistor	Std	Std	NA	1206	Resistor, Chip, 1/4W, 1%
23	1 R14	Resistor	Std	Std	5.1k	805	Resistor, Chip, 1/5W, 1%
24	1 FR	Resistor fuse	Std	Std	4.7R, 1W	Axial leaded	Resistor fuse
25	1 R5	Resistor	Std	Std	100k	805	Resistor, Chip, 1/4W, 1%
26	1 C1	Electrolytic capacitor	KSH685M40 0S1A5H1CK	TEAPO	10uF,400V	10mm(die.)x 12.5mm(high t)	size,10mmx15 mm
27	1 C2	Electrolytic capacitor	KSH685M40 0S1A5H1CK	TEAPO	10uF,400V	10mm(die.)x 12.5mm(high t)	size,10mmx15 mm
28	1 C5	Electrolytic solid capacitor	PCG128M6R 3S1GNG1BK	TEAPO	330uF,16V	8mm(die.)x1 1.5mm(hight)	size, 8mmx11mm
29	1 U1	PSR controller	UCC28722	TI		SOT-23	
30	1 C9	Ceramic Capacitor	GRM31A5C3 A470JW01D	Murata	47pF,1KV	1206	Capacitor, Ceramic, Chip, 5%
31	1 JP1	Jumper	Std	Std	0.5mm(D)x5mm(L)		
32	6 ND,12V,1 2VGND	Pin	Std	Std	1mm(D)x11mm(H)		
33	1 U2	LDO	LM7805	Std		TO-220	LDO
34	2 C3,C10	Electrolytic capacitor		TEAPO	22uF,50V	5mm(die.)x1 1mm(hight)	size,5mmx11mm
35	1 D3	Rectifier Diode	MURA120T3 G	ON	1A,200V	SMA	

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