

Number (counter)	Comment	Description	Designator	Footprint	Order Code	Supplier	Not on Board	Quantity - 1pcb	Price BGN	#VALUE!	Comments
1	10n	Capacitor	C3, C10	0805 capacitor	C0805 10nF 100V X7R	Comet		2			
2	100n	Capacitor	C2	0805 capacitor	C0805 100nF 50V X7R YAG	Comet		1			
3	10n	Capacitor	C1, C5, C7, C9	1206 Capacitor	C1206 10nF 100V X7R SAMSUNG	Comet		4			
4	100n	Capacitor	C6	1206 Capacitor	C1206 100nF 100V X7R SAMSUNG	Comet		1			
5	120	Resistor	R6	0805 Resistor	R0805 120R 1%	Comet		1			
6	1.5k	Resistor	R4	0805 Resistor	R0805 1.5K 1%	Comet		1			
7	2.7K	Resistor	R5	0805 Resistor	R0805 2.7K 1%	Comet		1			
8	4.7K	Resistor	R2, R3, R7	0805 Resistor	R0805 4.7K 1%	Comet		3			
9	22k	Resistor	R8	0805 Resistor	R0805 22K 1%	Comet		1			
10	10K	Resistor	R1	1206 Resistor	R1206 10K 1%	Comet		1			
11	220uH 1A	Power Inductor	L1	DRH125 Inductor	CL220uH DRH125	Comet		1			
12	LL4148	High Conductance Fast Diode	D5, D8, D10	MELF Diode	LL4148 SMD	Comet		3			
13	1N4007	1 Amp General Purpose Rectifier	D6, D9	DIODE SMA	MRA4007T3G	Comet		2			
15	SK26	Schottky Rectifier	D7	DIODE SMB	SK26 (SS26) SMD GLX	Comet		1			
16	15V	Zener Diode	ZD1, ZD2, ZD3	MELF Diode	BZV55C15	Comet		3			
17	FZT653	SOT223 NPN Silicon Planar High-Performance Transistor	Q1	SOT223	FZT653	Comet		1			
18	IRF5210S	HEXFET Power MOSFET	Q2, Q2'	D2PAK	1298529	Farnell		1			
19	MMBT5401	PNP General-purpose Transistor	Q3	SOT23_N_3D	MMBT5401 SMD	Comet		1			
20	MMBT5551	NPN General-purpose Transistor	Q4	SOT23_N_3D	MMBT5551 SMD	Comet		1			

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21	LM2675M- ADJ	SIMPLE SWITCHER® Power Converter High Efficiency 1A Step-Down Voltage Regulator, 8- pin Narrow SOIC	U1	SOIC 8	LM2675M-ADJ	Comet		1			
	Through-hole-Devices										
22	470uF 16V	Polarized Capacitor (Radial)	C4, C8	ELCAP 10x12.5	CE 470uF 50V 105C Fujicon	Comet		2			THD
23	SR580	Schottky Diode	D1, D2, D3, D4	DO-201AD	SR580 YJ	Comet		4			THD
24	5A		FUSE1	Fuse+holder 5mm	KEYSTONE 3518P	Comet		1			THD
25	25VAC	Header, 2-Pin	J1	CI52-2	PWD2S	Comet		1			THD
26	IRON	Header, 2-Pin	J2	CI52-2	PWD2S	Comet		1			THD
27	5V OUT	Header, 2-Pin	J3	CI52-2	PWD2S	Comet		1			THD
28	CNTR	Header, 5-Pin	J4	CI31-5	WF5S	Comet		1			THD
29	Header 8	Header, 8-Pin	J5	RJ11 VERT	-	-	J4	0			THD. Optional. Sensor only.
30	Bolt		B1, B2, B3, B4	BOLT 3mm				4			Mechanical parts