

Number (counter)	Comment	Description	Designator	Footprint	Order Code	Supplier	Not on Board	Quantity - 1pcb	Price BGN	#VALUE!	Comments
1	100n	Capacitor	C12, C13, C14, C15, C16, C18, C19, C20, C21, C22	0805 capacitor	C0805 100nF 50V X7R YAG	Comet	C20, C21	8			
2	120	Resistor	R25, R32, Ra, Rb, Rc, Rd, Re, Rf, Rg	0805 Resistor	R0805 120R 1%	Comet		9			
3	470	Resistor	R17, R18, R20, R24	0805 Resistor	R0805 470R 1%	Comet		4			
4	1.5k	Resistor	R22	0805 Resistor	R0805 1.5K 1%	Comet		1			
5	2.7k	Resistor	R11, R12, R13, R16, R26	0805 Resistor	R0805 2.7K 1%	Comet		5			
6	4.7k	Resistor	R9, R10, R31, R37, Rs1, Rs2, Rs3	0805 Resistor	R0805 4.7K 1%	Comet		7			
7	7.5k	Resistor	R19	0805 Resistor	R0805 7.5K 1%	Comet		1			
8	10k	Resistor	R30	0805 Resistor	R0805 10K 1%	Comet		1			
9	47k	Resistor	R23	0805 Resistor	R0805 47K 1%	Comet		1			
10	390k	Resistor	R14, R21	0805 Resistor	R0805 390K 1%	Comet		2			
11	1000k	Resistor	R15	0805 Resistor	R0805 1.0M 1% YAG/ASJ	Comet		1			
12	3.9V	Zener Diode	ZD4	MELF Diode	BZV55C3V9	Comet		1			
13	MMBD4148SE		D11, D12, D13	SOT23_N_3D	1467563	Farnell		3			
15	BC846B	NPN General-purpose Transistor	Q8	SOT23_N_3D	BC846B SMD	Comet		1			
16	BC856B	PNP General-purpose Transistor	Q9	SOT23_N_3D	BC856B SMD	Comet		1			
17	IRLML6401	HEXFET Power MOSFET	Q5, Q6, Q7	SOT23_N_3D	IRLML6401	Comet		3			
18	ULN2003L	High-Voltage, High-Current Darlington Array	U4	SOIC16	ULN2003D SMD	Comet		1			
19	PIC18F24K22-I/SS	Flash Microcontroller with 10-Bit A/D and nanoWatt Technology, 16K Flash, 28-Pin SSOP, Industrial Temperature Range	U2	SSOP28	PIC18F24K22-I/SS	Comet		1			
20	MCP6V07T-E/SN	300 uA, Auto-Zeroed Operational Amplifier, 8-Pin SOIC, Extended Temperature, Tape and Reel	U3	SOIC 8	MCP6V07-E/SN	Comet		1			
Through-hole-Devices											
21	100uF 16V	Polarized Capacitor (Radial)	C11, C17	ELCAP 6.3X7 RM2.7	CE 100uF 16V 105C Fujicon	Comet		2			THD

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22	100k	Potentiometer	Rc2	TRIMMER BOURNS 3362	3266W 100K	Comet		1			THD
23	500k	Potentiometer	Rc1	TRIMMER BOURNS 3362	3266W 500K	Comet		1			THD
24	SA36-11SRWA	7.62 mm Black Surface HER 7- Segment Display: CA, RH DP	DS1, DS2, DS3	SA36-11	SA36-11SRWA	Comet		3			THD
26	TC	Header, 2-Pin	J7	CI31-2	WF2S	Comet		1			THD
27	5VDC	Header, 2-Pin	J8	CI52-2	PWD2S	Comet		1			THD
25	CNTR	Header, 5-Pin	J6	CI31-5	WF5S	Comet		1			THD
28	Header 5	Header, 5-Pin	PD1	HDR1X5	-	-	PD1	1			PIC programming interface. NOB.
29	SWITCH-TACTILE		S1, S2, S3	SWITCH-TACTILE	TS-064 (TS-4)	Comet		3			THD
30	Buzzer	Microphone	SPK1	BUZZER HYDZ - No overlay	PB12N23PW-03Q	Comet		1			THD
31	Bolt		Bolt1, Bolt2, Bolt3	BOLT 3mm				3			Mechanical Parts