

Bill Of Materials

4 Capacitors

Quantity	References	Value	Description
3	C1,C3-C4	0.1uF	SMD Multilayer Ceramic Capacitor, 1206
1	C2	33u	33u 25V 65mA Miniture Electrolytic Capacitor

Sub-totals:

9 Resistors

Quantity	References	Value	Description
1	R1	820	RES 0,25W 5% SMD1206
4	R2-R3,R5, R7	4.7k	RES 0,25W 5% SMD1206
1	R4	470	RES 0,25W 5% SMD1206
1	R6	18k	RES 0,25W 5% SMD1206
1	R8	1K2	RES 0,25W 5% SMD1206
1	R9	100	RES 0,25W 5% SMD1206

Sub-totals:

4 Integrated Circuits

Quantity	References	Value	Description
1	U1	78L05	5V Fixed 100mA Positive Power Supply Regulator.
1	U2	DS1990	Serial Number iButton
1	U3	PIC12F675	PIC12 Microcontroller (1792B code, 128B data, Watchdog Timer, 1x8-bit & 1x16-bit Timer, 4x10-bit ADC)
1	U5	ACDC 12V 2A	AC-DC convertor 12V 2A

Sub-totals:

2 Transistors

Quantity	References	Value	Description
1	Q1	IRL2505	55V, 104A @ 25°C, 200W, Single N-Channel HEXFET Power MOSFET in a TO-220AB package
1	Q2	BC337	Silicon NPN Low Power High Frequency Bipolar Transistor (625mW, 150eC)

Sub-totals:

3 Diodes

Quantity	References	Value	Description
1	D1	ВЫХОД	LRD3MM YELLOW
1	D2	Красный	LED3MM RED
1	D3	1N4733A	5.1V 49mA Zener Diode

Sub-totals:

6 Miscellaneous

Quantity	References	Value	Description
1	BUZ1	BUZZER	Transducer, 9 V to 12 V, 85 dB, Sounder, 40 mA
2	JP1-JP2	JUMPER	Jumper
1	RV1	1k	Trimmer Potentiometer, 1 kohm, 1 Turns, Through Hole
1	X1	MKDSN1,5	Terminal block 3 Way Through hole 5,08mm
1	X2	MKDSN1,5	Terminal block 3 Way Through hole 5,08mm

Sub-totals:

Totals: