

Bill Of Materials

4 Capacitors

Quantity	References	Value	Description
2	C1-C2	0.033uF	B32672L1333J000 AC Film Capacitor, 33000 pF, 600 VAC
2	C3-C4	0.47u	CAP CERM 0,47uF 10% 25V SMD1206

Sub-totals:

9 Resistors

Quantity	References	Value	Description
1	R1	10K	Trough Hole 0.1W, 1%
1	R2	47K	Trough Hole 0.1W, 1%
1	R3	1K	Trough Hole 0.1W, 1%
2	R4,R7	47K	Through Hole Resistor, 47 kohm, ROX Series, 3 W, ± 5%
2	R5-R6	4k7	Trough Hole 0.1W, 1%
1	R8	100K	Trough Hole 0.1W, 1%
1	R9	10k	Trough Hole 0.1W, 1%

Sub-totals:

6 Integrated Circuits

Quantity	References	Value	Description
1	U1	ATTINY13	1 KByte Flash, 128 Bytes SRAM, 64 Bytes EEPROM, ADC, Analog Comparator, 1 Port, 1 Timer
1	U2	MOC3031M	Zero Cross Optoisolators TRIAC Driver Output
1	U3	VTX-214-0005-105	AC/DC PCB Mount Power Supply 1 Output, 500 mW, 5 V, 100 mA
2	U4-U5	PC817	High Density Mounting Type Photocoupler.
1	U6	BTA20-600CWRG	Triac, 600 V, 20 A, TO-220AB, 35 mA, 1.5 V, 1 W

Sub-totals:

1 Transistors

Quantity	References	Value	Description
1	Q1	BC337	Silicon NPN Low Power High Frequency Bipolar Transistor (625mW, 150eC)

Sub-totals:

2 Diodes

Quantity	References	Value	Description
2	D1-D2	1N4744A	15V 17mA Zener Diode

Sub-totals:

3 Miscellaneous

Quantity	References	Value	Description
1	J1	TBLOCK-M2	PCB Mount Barrier Terminal Block, 8.26 mm, 1 Row, 3 Ways 20A
1	J2	TBLOCK-M2	PCB Mount Barrier Terminal Block, 8.26 mm, 1 Row 3 Ways 20A
1	L1	150uH	DTMSS-47/0.15/18-V Toroid inductor 150uH 18A

Sub-totals: