

Bill Of Materials for regul sim iso

4 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
2	C1-C2	0.47u	CAP CERM 1uF 10% 25V X5R SMD1206
2	C3-C4	0.033uF	B32672L1333J000 AC Film Capacitor, 33000 pF, 600 VAC

Sub-totals:

5 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	R1	10K	Trough Hole 0.1W, 1%
1	R2	1k	Trough Hole 0.1W, 1%
1	R3	47K	Through Hole Resistor, 47 kohm, ROX Series, 3 W, ± 5%
1	R4	4k7	Trough Hole 0.1W, 1%
1	R5	100K	Trough Hole 0.1W, 1%

Sub-totals:

5 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	U1	LM393	2 Comparators, 300 ns, 2V to 36V, DIP8
1	U2	PC817	High Density Mounting Type Photocoupler.
1	U3	VTX-214-0005-105	AC/DC PCB Mount Power Supply 1 Output, 500 mW, 5 V, 100 mA
1	U4	MOC3031M	Zero Cross Optoisolators TRIAC Driver Output
1	U5	BTA20-600CWRG	Triac, 600 V, 20 A, TO-220AB, 35 mA, 1.5 V, 1 W

Sub-totals:

1 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	D1	1N4744A	15V 17mA Zener Diode

Sub-totals:

4 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	J1	TBLOCK-M4	PCB Mount Barrier Terminal Block, 8.26 mm, 1 Row, 4pos 20A
1	L1	150uH	DTMSS-47/0.15/18-V Toroid inductor 150Uh 18A
1	RV1	5k1	Rotary Potentiometer, 5 kohm, 1 Turns, Panel mount
1	RV2	5k1	Trimmer Potentiometer, 5 kohm, 1 Turns, Through Hole

Sub-totals:

Totals: