

Bill Of Materials for LM3SIMPLE

6 Capacitors

Quantity	References	Value	Description
4	C1-C2,C5-C6	0.47u	CAP .10uF 16V CERAMIC X7R 0603
2	C3-C4	47u	47u 25V 70mA Miniture Electrolytic Capacitor

Sub-totals:

7 Resistors

Quantity	References	Value	Description
2	R1,R4	1k	Through Hole Resistor 1/10W 1%
2	R2,R6	10k	Through Hole Resistor 1/10W 1%
1	R3	91k	Through Hole Resistor 1/10W 1%
1	R5	4K7	Through Hole Resistor 1/10W 1%
1	R7	47K	Through Hole Resistor 1/10W 1%

Sub-totals:

5 Integrated Circuits

Quantity	References	Value	Description
2	U1,U8	7SEGM VOLTMMETER	DC Voltmeter DC 0 30V
1	U2	LM35	Precision Centigrade Temperature Sensor (-55C to 150C)
1	U3	AD822AP	Dual, Single Supply, Precision, Rail-To-Rail, Low Power, FET-Input Operational Amplifier (1.9MHz, 3V/us, 3V-36V)
1	U4	7809	9V Fixed 1A Positive Power Supply Regulator.

Sub-totals:

1 Transistors

Quantity	References	Value	Description
1	Q1	MPSA06	Silicon NPN Low Power Bipolar Transistor 625mW, 150eC

Sub-totals:

2 Diodes

Quantity	References	Value	Description
2	D1-D2	1N4001	Si; 50.0V 1.00A 3.00us

Sub-totals:

13 Miscellaneous

Quantity	References	Value	Description
1	J1	SCD-014A	Power Jack 2.5mm Suppliers, Manufacturer (...)
4	J2-J5	TBLOCK-M2	Metric pitch terminal block
1	L1	220V	Animated Light Bulb
1	RL1	9V	RT424009. Power Relay, DPDT, 9 VDC, 8 A, RT2 Series, Through Hole,
3	RV1,RV3-RV4	10k	High Granularity Interactive Potentiometer (Lin, Log or Antilog Law)
1	RV2	22k	High Granularity Interactive Potentiometer (Lin, Log or Antilog Law)
2	SW1-SW2	TL 46P 0	Lever switch, DPDT TL series, 2x ON - ON

Sub-totals: