

Bill Of Materials for INTLM35_A

4 Capacitors

Quantity	References	Value	Description
4	C1-C4	0.47u	CAP CERAMIC 56pF 200V NP0 0805

Sub-totals:

5 Resistors

Quantity	References	Value	Description
1	R1	1K	RESISTOR 1% SMD1206
1	R2	10K	RESISTOR 1% SMD1206
1	R3	6K8	RESISTOR 1% SMD1206
1	R4	33K	RESISTOR 1% SMD1206
1	R5	470	RESISTOR 1% SMD1206

Sub-totals:

3 Integrated Circuits

Quantity	References	Value	Description
1	U1	LM35	Precision Centigrade Temperature Sensor (-55C to 150C)
1	U2	ATMEGA8	8 KBytes Flash, 1088 Bytes SRAM, 512 Bytes EEPROM, ADC, Analog Comparator, TWI, SPI, 3 Ports, 3 Timers, 1 USART
1	U3	IRM-05-05	AC/DC PCB Mount Power Supply (PSU), ITE, 1 Output, 5 W, 5 V, 1A

Sub-totals:

1 Transistors

Quantity	References	Value	Description
1	Q1	MPSA14	Bipolar (BJT) Single Transistor, NPN, 30 V, 500 mA, 625 mW, TO-92

Sub-totals:

5 Diodes

Quantity	References	Value	Description
2	D1-D2	1N4148	Small Signal Switching Diode. Reverse Voltage 75V. Average Rectified Current 150mA
1	D3	1N4004	Silicon Rectifier. Maximum Recurrent Peak Reverse Voltage 400V. Maximum Average Forward Rectified Current 1.0A
1	D4	LED-GREEN	LED 3mm 2mA (Green)
1	D5	LED-RED	LED 3MM 2mA (Red)

Sub-totals:

8 Miscellaneous

Quantity	References	Value	Description
1	LCD2	LM020L	16x1 Alphanumeric LCD
1	RL1	5V	RT4240005 Power Relay, DPDT, 5 VDC, 8 A, RT2 Series, Through Hole
2	RV1,RV3	100k	High Granularity Interactive Potentiometer (Lin, Log or Antilog Law)
2	SW1-SW2	SW-DPDT	Interactive DPDT Switch (Latched Action)
1	X5	CONN-SIL2	AC POWER CONNECTOR IEC plug
1	X6	CONN-SIL2	AC POWER CONNECTOR IEC female

Sub-totals:

Totals: