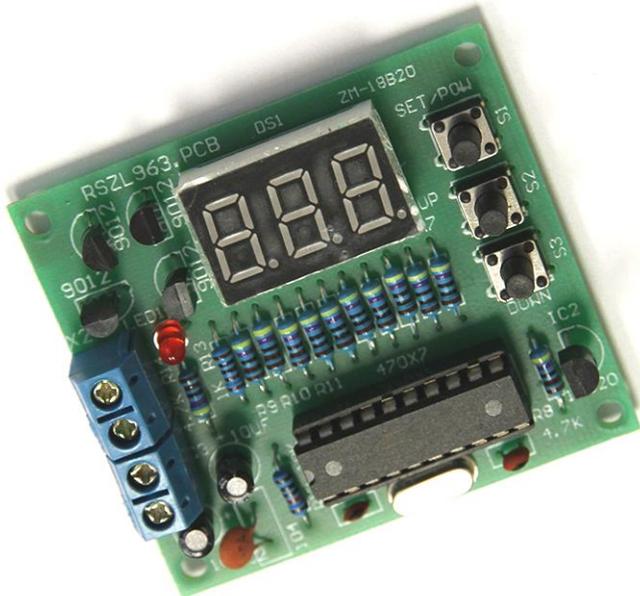
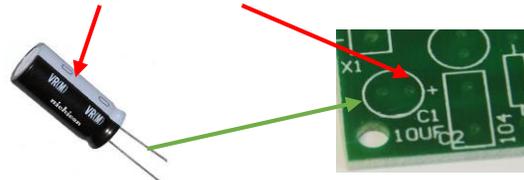


AK-60 THERMOSTAT D.I.Y – LEVEL: BEGINNER



Ceramic Capacitors, Resistors, Push Buttons and Transistors should be easy to insert and solder into place! Make sure you follow the white outline or footprint of the PCB.

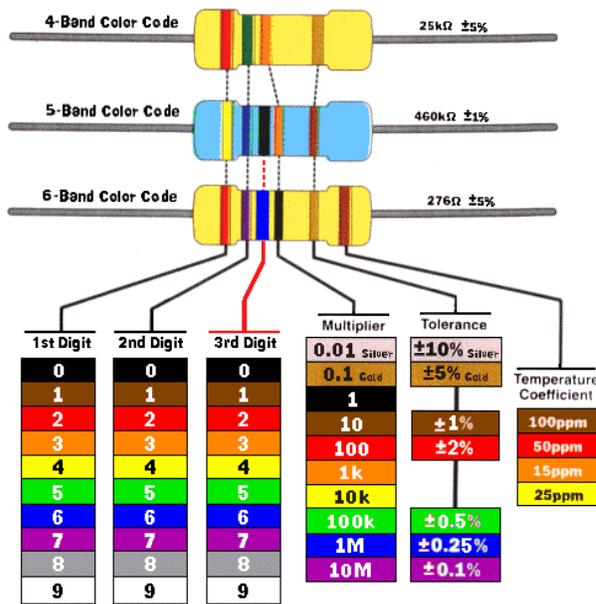
Radical Capacitors should **not** have the white marking in the + sign.



To find out the resistor values look at the reference sheet below and the part list supplied in this kit.

Ensure the Dent of the IC is facing the **Blue** Terminal Blocks.

The Cathode or Negative side of the LED faces the Resistor.



Four band, Five band and Six band?! Look at the chart and follow the colors, remember the second last one is the multiplier!

Ex; Brown-Black-Black-Red-Brown 1-0-0-100-1% that translates to 10000 or 10KΩ

AT89C2051-24PU PINOUT

(VPP) RST	□ 1	20	□ VCC
(RXD) P3.0	□ 2	19	□ P1.7 (SCK)
(TXD) P3.1	□ 3	18	□ P1.6 (MISO)
XTAL2	□ 4	17	□ P1.5 (MOSI)
XTAL1	□ 5	16	□ P1.4 (\overline{SS})
($\overline{INT0}$) P3.2	□ 6	15	□ P1.3
($\overline{INT1}$) P3.3	□ 7	14	□ P1.2
(T0) P3.4	□ 8	13	□ P1.1 (AIN1)
(T1) P3.5	□ 9	12	□ P1.0 (AIN0)
GND	□ 10	11	□ P3.7 (SYSCLK)

Operation guide can be found with the parts list sheet on the bottom!

Toll Free (CAN): 1-800-361-5237

Toll Free (US): 1-800-717-2272