



# AK-74 Kit



## List of Components

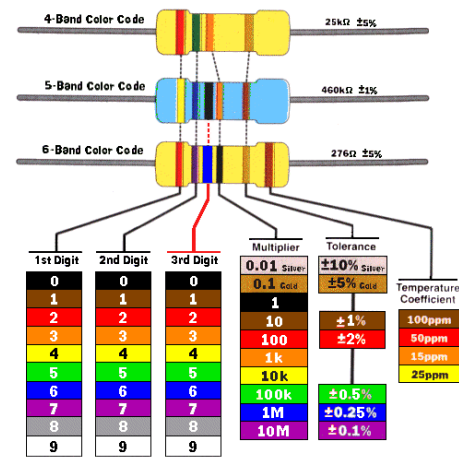
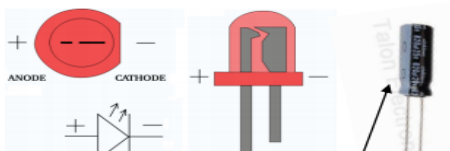
- 1x PCB
- 1x 2-Pin Header
- 1x CD4017 Chip
- 1x NE555 Chip
- 1x 200kΩ Potentiometer
- 1x 100μF Capacitor (C1)
- 1x 1μF Capacitor (C2)
- 1x 1kΩ Resistor (R1)
- 2x 470Ω Resistor (R2 & R3)
- 11x LEDs

## Component Polarity

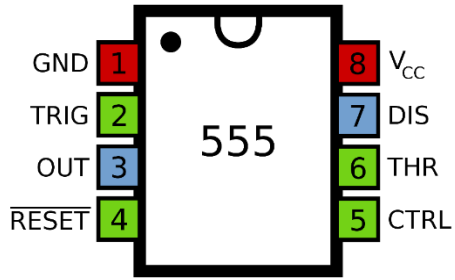
When dealing with polarized components, it is important to be able to identify which pins represent the anode (positive) and cathode (negative). Here are a few ways of doing so for LEDs and capacitors:

- The shorter pin usually is the cathode (negative).

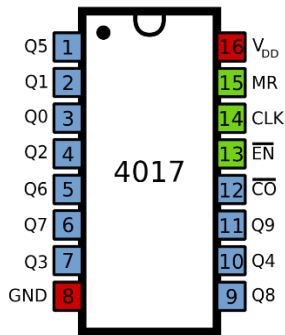
However, for LEDs if the leads are cut you can assume the cathode lead is on the side of the LED that has a flat cut. For capacitors, there usually is a sign on the component itself indicating which lead is the cathode (-).



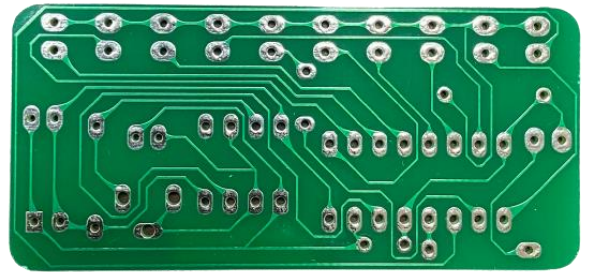
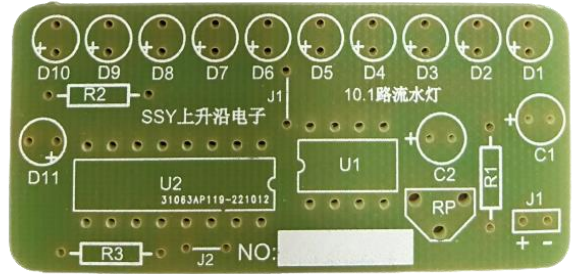
Resistors can have a different number of bands. Refer to the chart above to identify the value of your resistor. For example, [brown – black – black – red – brown] sequence of colors gives values [1 – 0 – 0 – 100 – 1%], which represents a 10kΩ resistor with 1% tolerance.



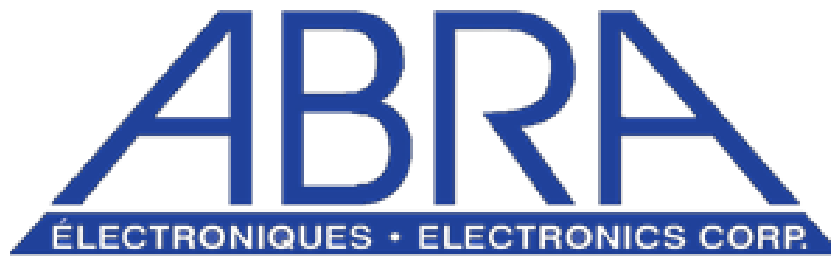
NE555 Pinout



CD4017 Pinout



57.5 x 27 x 1.5 mm



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

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