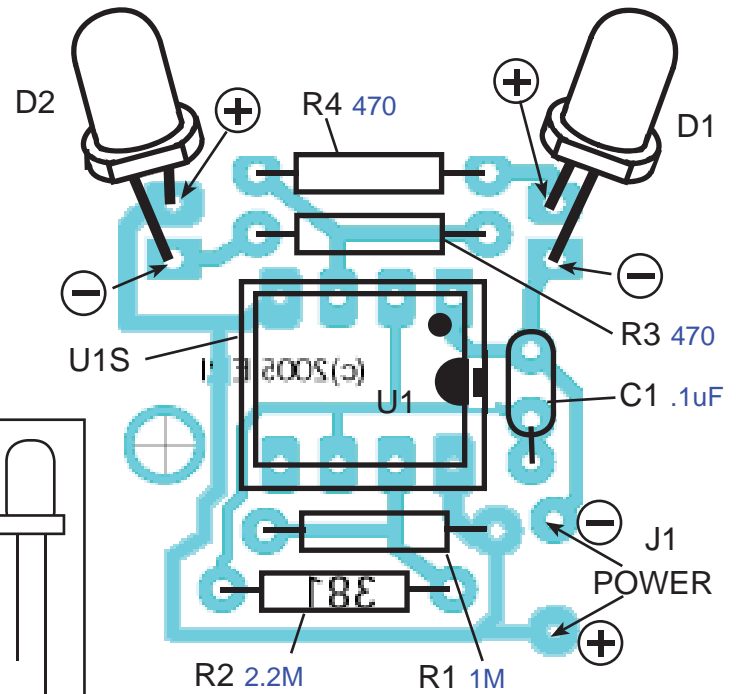
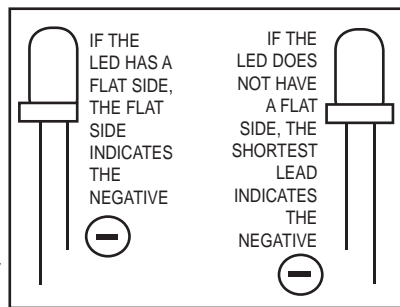


THE BLINKY
WILL OPERATE
ON 6 TO 15
VOLTS DC

PARTS LIST

- R1 1 MEG RESISTOR (BRN BLK GRN)
 - R2 2.2 MEG RESISTOR (RED RED GRN)
 - R3 R4 470 RESISTOR (YEL VIO BRN)
 - C1 .1uF CAP May be marked 104 or .1
 - U1S 8 PIN IC SOCKET (**WATCH ORIENTATION**)
 - U1 LM555 TIMER IC (**WATCH ORIENTATION**)
 - D1 D2 LED'S *The size & color is determined by the kit you have.*
- NOTE: We have several **BLINKY** kits. This instruction sheet is the same for **ALL** of them. The **ONLY** difference is the **LED** Color or size.
- J1 BATTERY CONNECTOR
 - PC BOARD 080-00381

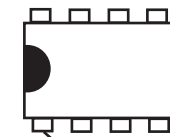
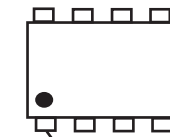


ASSEMBLY AND TEST INSTRUCTIONS

1. INSTALL AND SOLDER RESISTORS R1 THRU R4
2. INSTALL AND SOLDER CAPACITOR C1
3. INSTALL AND SOLDER LED'S D1 AND D2 (**Watch orientation**)
The flat side of the LED is negative.
4. INSTALL AND SOLDER U1S 8 PIN IC SOCKET
5. INSTALL U1 (*The orientation of IC's may be indicated two ways, by a dot or a half moon shaped notch. SEE EXAMPLE #1 AND #2 at the right.*)
6. INSTALL AND SOLDER THE BATTERY CONNECTOR (**Watch polarity**)

EXAMPLE 1

EXAMPLE 2



PIN #1

PIN #1

1. A dot indicates pin 1
2. A notch (half moon shaped) indicates the end of the IC where the pin is located

This completes the assembly of your blinky kit. Very carefully check all of your work. Have someone else check over your completed kit. Connect a battery to your blinky kit. The LED's should blink alternately.

NOTE: You can change the flash rate by changing the value of C1 or R1. Increasing the value of C1 or R1 will slow the flash rate, decreasing will speed up the flash rate.



BLINKY KIT

8-13-2010

Rainbowkits.com LLC
2238 West US Highway 36
Danville, IN 46122
317-745-5602 FAX 317-745-5604
www.rainbowkits.com

