



# STEP 1

**R2, R3, R4**

## **BRIGHTNESS CONTROL**

Brighter == 300 Ohm

Milder == 470 Ohm

# STEP 2

**D1 D2 D3**

## **LEDS!**

TWO PINS: LONG AND SHORT  
THE LONGER PIN GOES ON THE  
RIGHT (CLOSER TO THE NUMBER)

THE SHORTER PIN GOES ON THE LEFT  
(CLOSER TO THE LETTER)

INSERT TILL YOU HIT THE  
RECTANGLE, BEND DOWN

# STEP 3

**U1**

## **SOCKET**

*MAKE SURE THE TOP TWO LEGS ARE  
CUT OFF (I'M BAD AT MY JOB)  
BRADY TO DO*

SIDE WITHOUT TWO PINS GOES ON  
TOP (NEAR U1/ARC LINE)

# STEP 4

**Q1**

## **TRANSISTOR**

MAKE SURE IT ALIGNS WITH THE  
LINES ON THE PCB

CURVED TO CURVED, STRAIGHT TO  
STRAIGHT

# STEP 5

**SW1**

**SWITCH**

NO MAGIC STEPS HERE



# STEP 6

**R1 C1**

## **TIMING**

The default values are about 1 Hz. Let us know if you to go faster or slower!

# STEP 7

**J1**

## **BATTERIES!**

1. Strip Wire
2. Super glue the battery-holder
3. Solder the wires together
4. Heat shrink





