

# Stop and Go Kit Assembly Guide

## Stop and Go kit contains:

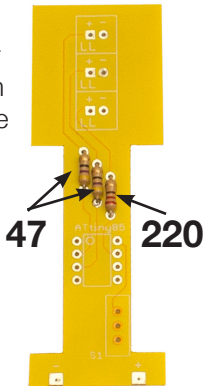
3 Build Upons PTH LEDs	1 switch
1 ATtiny85	1 3V battery
1 220 ohm resistor	1 battery holder
2 47 ohm resistors	

## Tools you will need:

Soldering Iron  
Solder  
Wire Snips

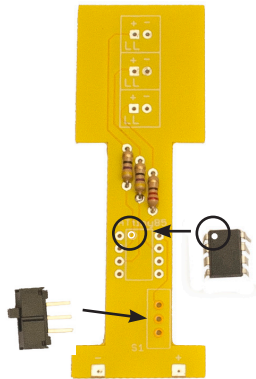
## Assembly:

**Step 1:** Solder in the 220 ohm resistor and the two 47 ohm resistors.

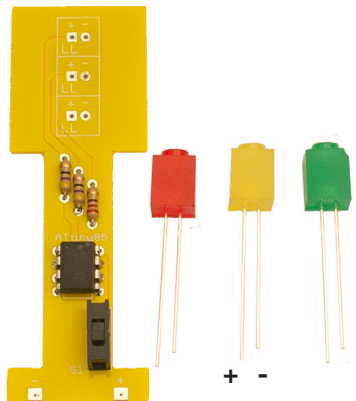


**Step 2:** Solder in the ATtiny chip. The tiny dot on one side of the chip should match up with the dot on the board.

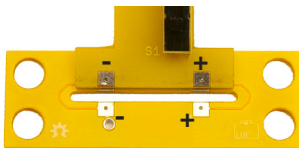
**Step 3:** Solder in the switch. The direction does not matter.



**Step 4:** Solder in the LEDs and the switch. Remember long lead on LEDs is + and marked with LL on board.



**Step 5:** Press or set the stoplight post into the base board and solder. Make sure the + and - solder pads on the stoplight post and on the base are lined up!



**Step 6:** Solder in the battery holder. Match it to the outline on the bottom of the base board.



**Optional Step:** Add the provided yellow foam to the back of the stoplight post to protect from pointy solder joints.

**Step 7:** You're done! Pop in the battery and flip the switch on! Yay Stoplight!



Lunchbox Electronics

Source files: [lunchboxelectronics.com/product/stopandgo](http://lunchboxelectronics.com/product/stopandgo)