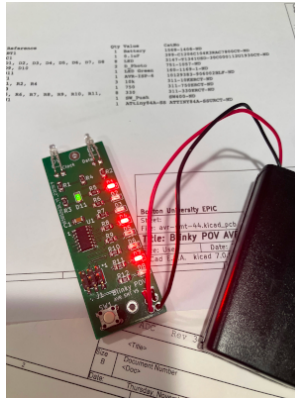


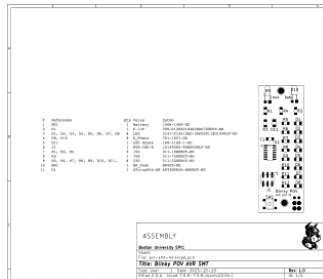
# Blinky POV Kit

## Assembly Notes

Rev 7/7/25



The assembly drawing is your main reference for placing components on the board. The bill of materials (parts list) includes a “Reference” column which matches the labels on the board (“R1” etc).



Docs page:

<https://github.com/eshazen/blinky-avr-smt>

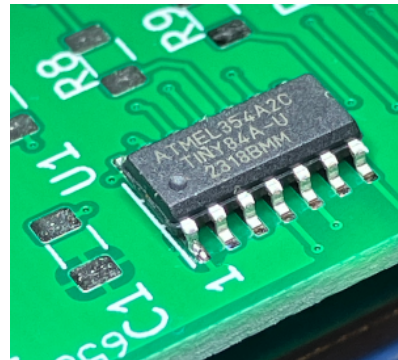
Resistors and capacitors (R and C) are reversible and can be soldered either way around.

The rest of the parts are **not** reversible and must be installed the right way around.

- Microcontroller (U1)
- LEDs (D1-D8 and D11)
- Light sensors (D9 and D10)
- Battery holder wires

### U1 Orientation

Pin 1 is marked by a dimple in the top of the chip. This should go next to the number “1” on the board.



The LEDs D1-D8 should be mounted as shown. There are two types of LED... one with a small white bar which goes to the left, the other with green dots which go to the right.

They should be mounted with the white surface with a transparent window facing up.

