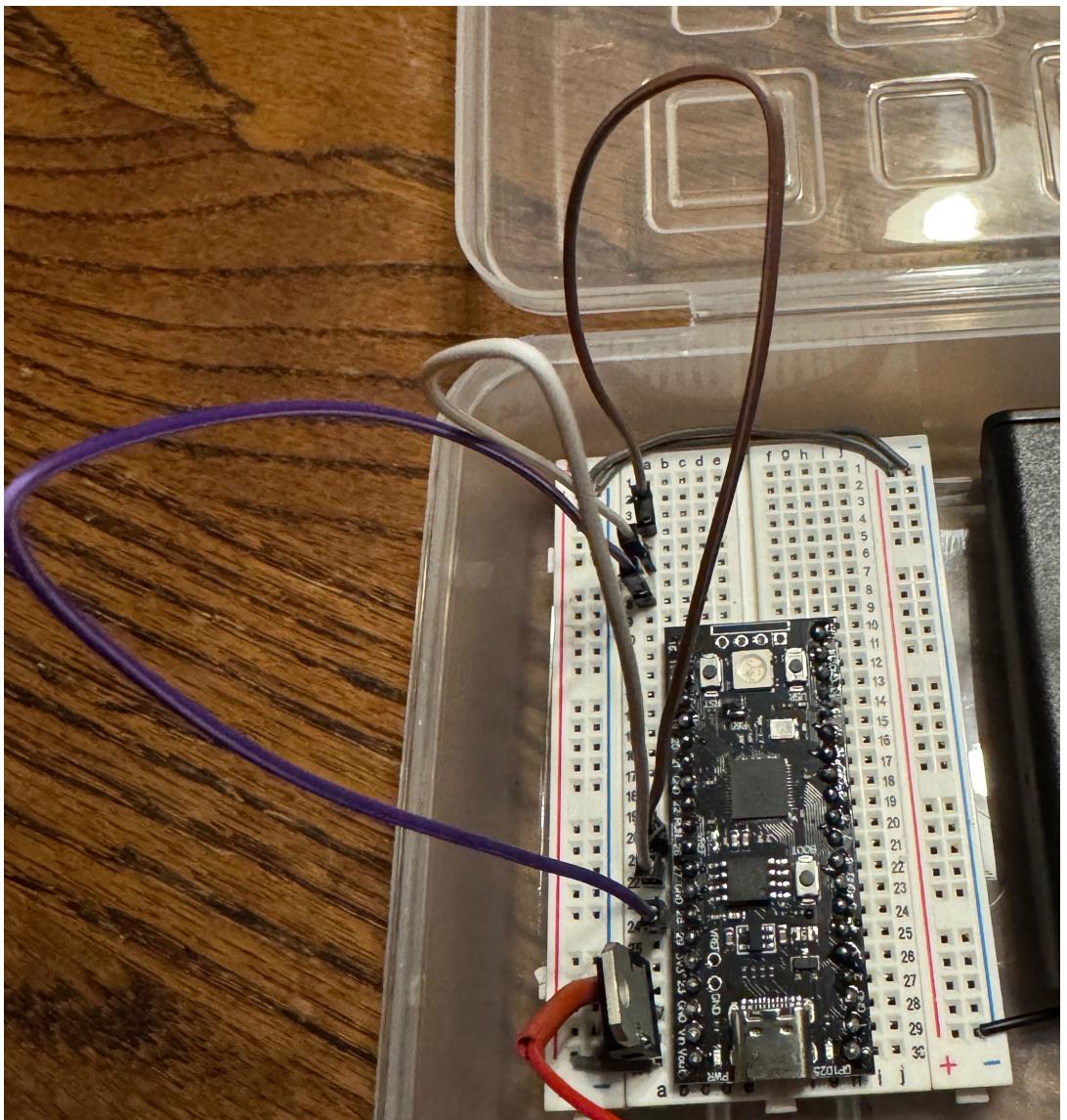


Step 1 - Power for LEDs

With jumper wires connect the following:

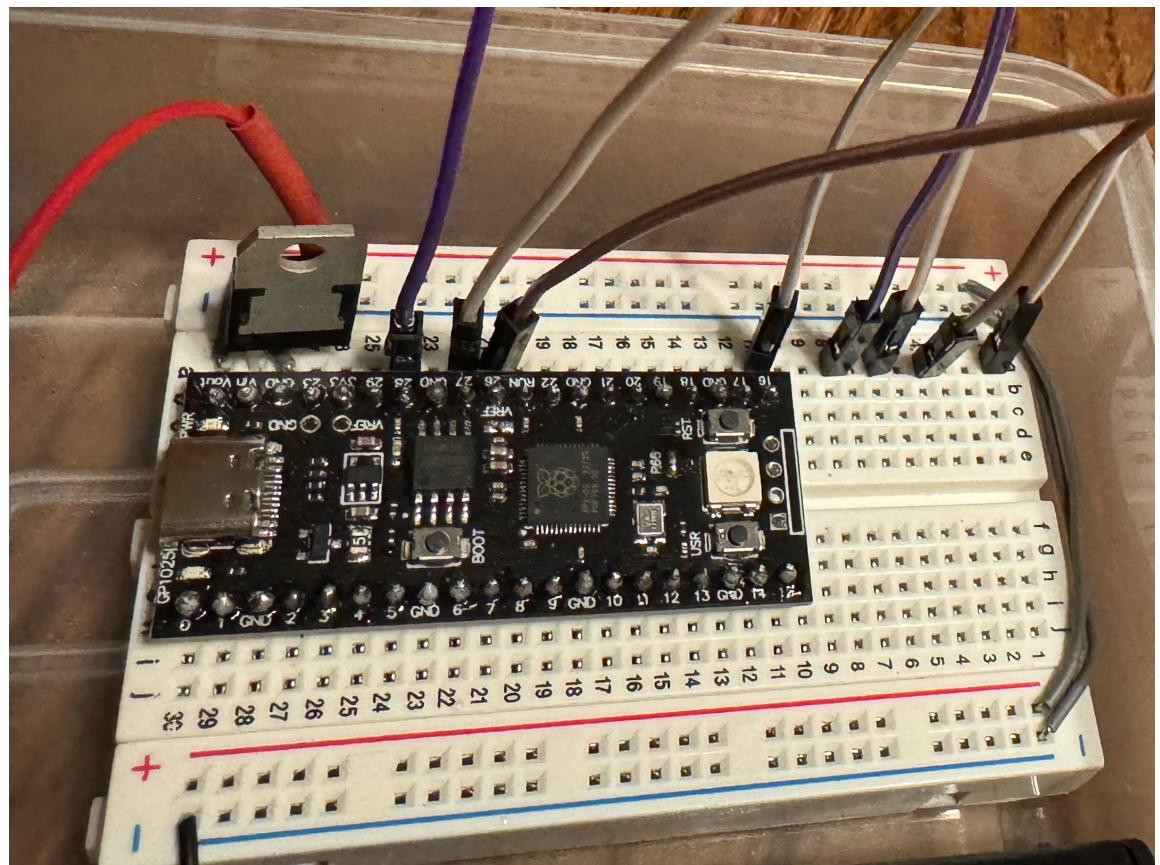
1. Connect 24a (28 on Microcontroller) to 8a
2. Connect 22a (27 on Microcontroller) to 6a
3. Connect 21a (26 on Microcontroller) to 4a



Step 2 - Power for Buzzer

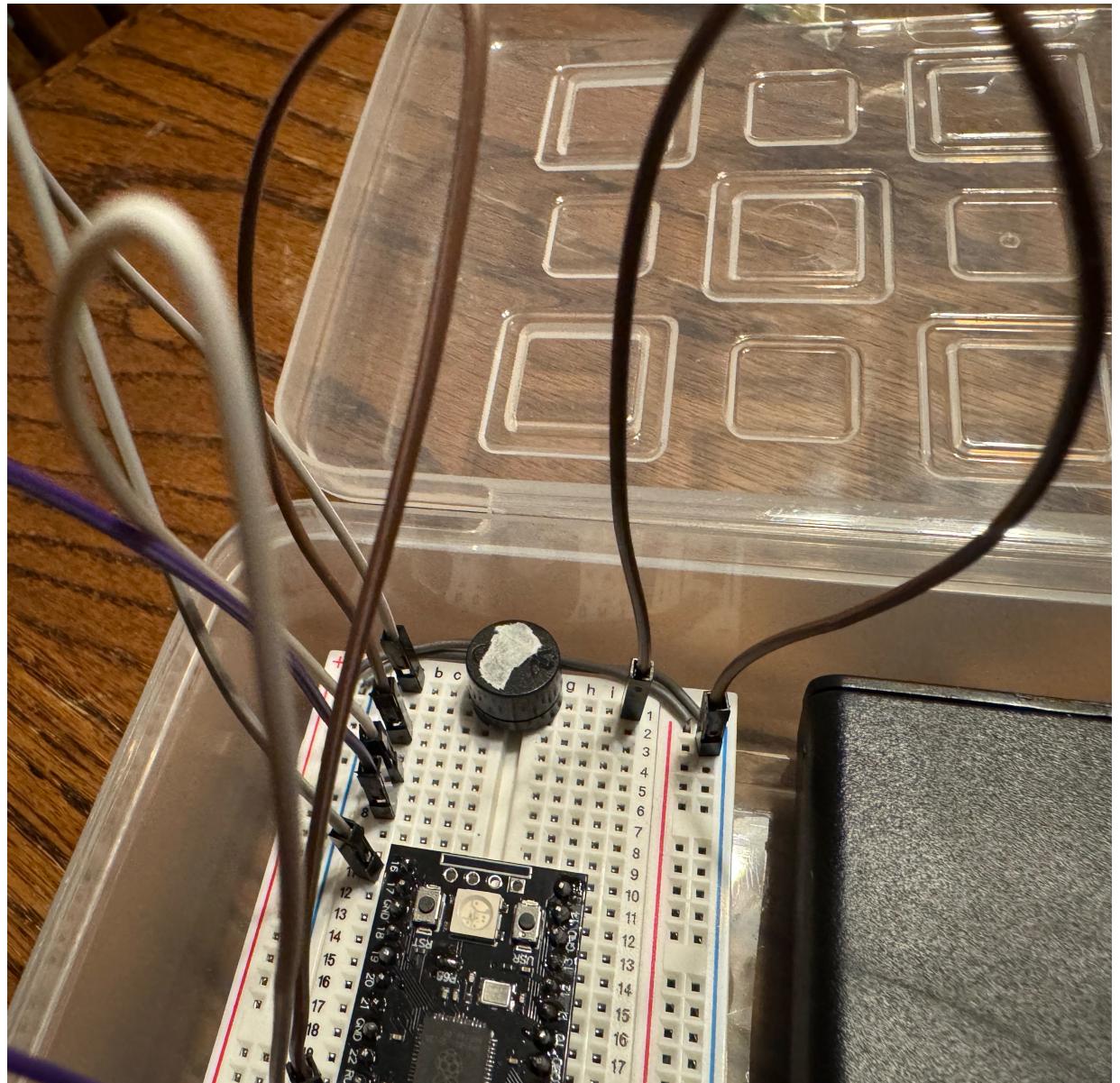
With a jumper wires connect the following:

1. Connect 11a (16 on Microcontroller) to 1a



Step 3 - Install Buzzer

1. With a jumper wire connect the 1j to the negative (-) power plane on the side
2. Install the buzzer, taking note that the positive (+) symbol should go towards the left (the symbol should be almost over 1d)

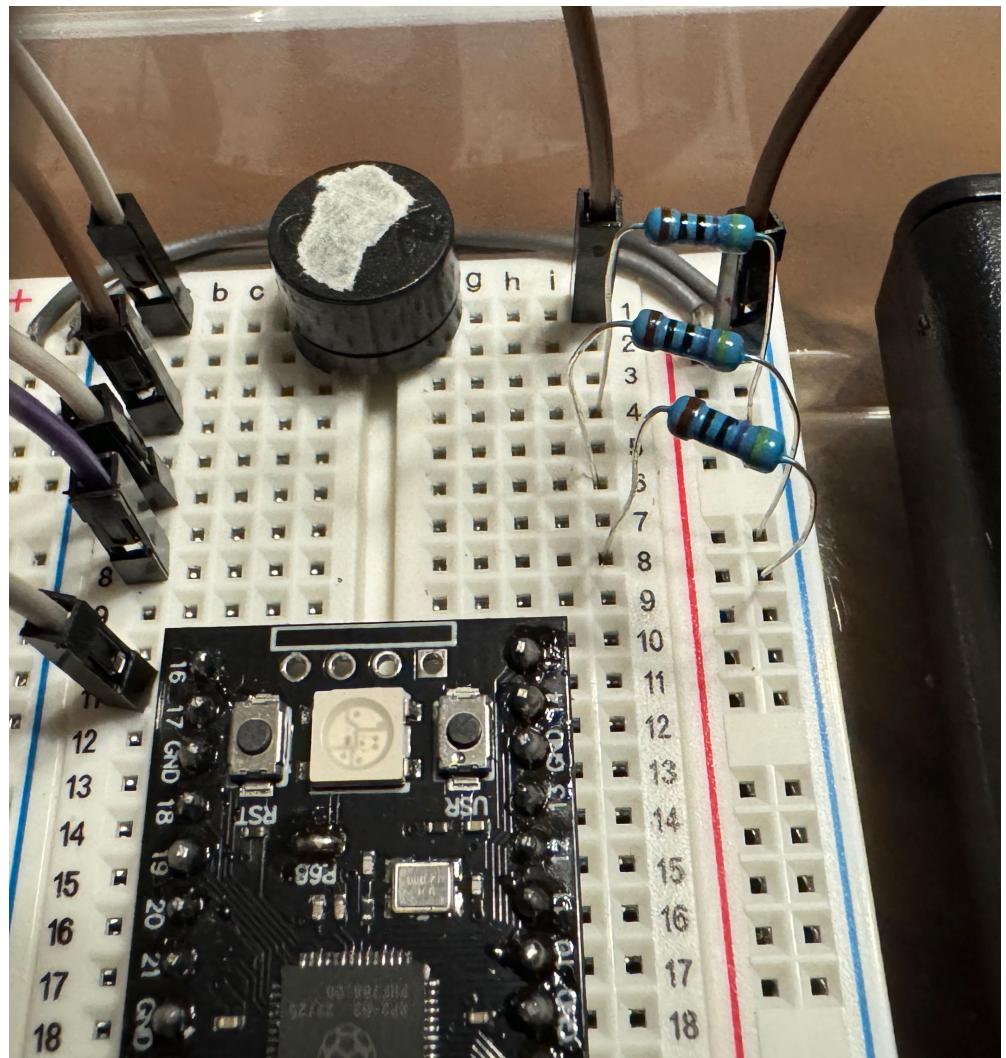


Step 4 - Install Resistors

With your resistors, connect them as follows:

1. From 4j to the negative (-) power plane
 2. From 6j to the negative (-) power plane
 3. From 8j to the negative (-) power plane

(the direction the resistor is pointing does not matter)

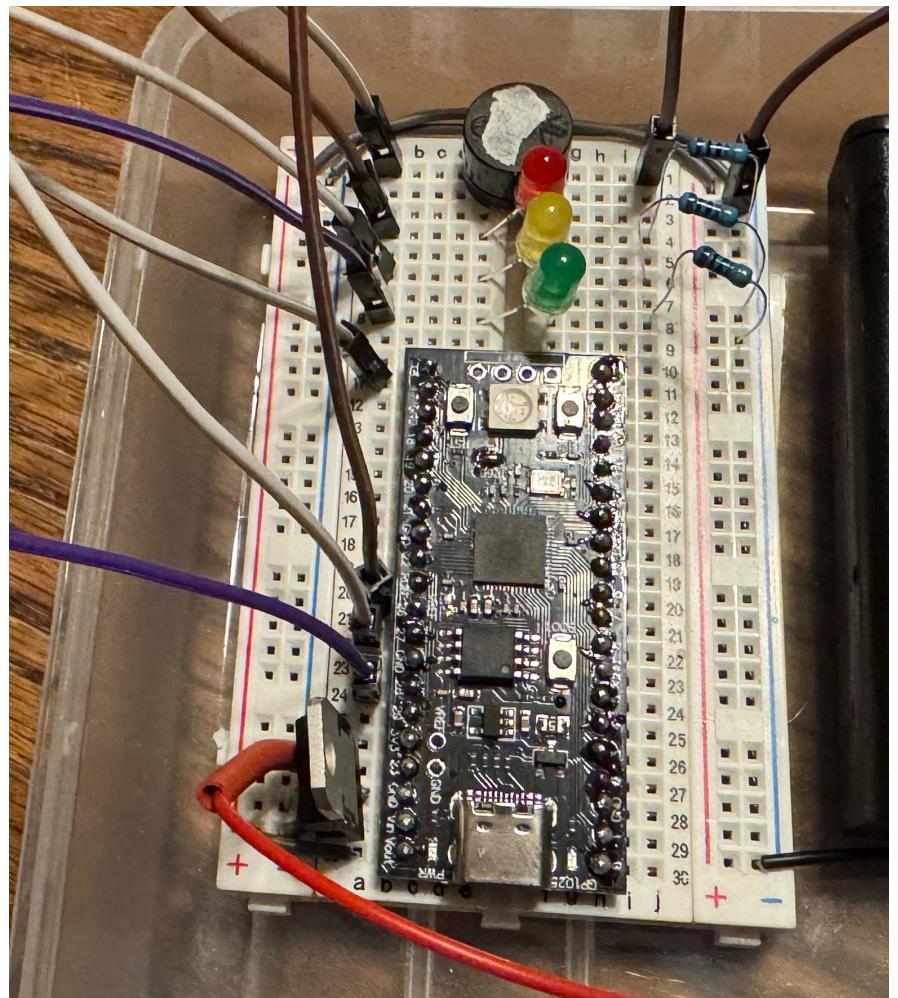
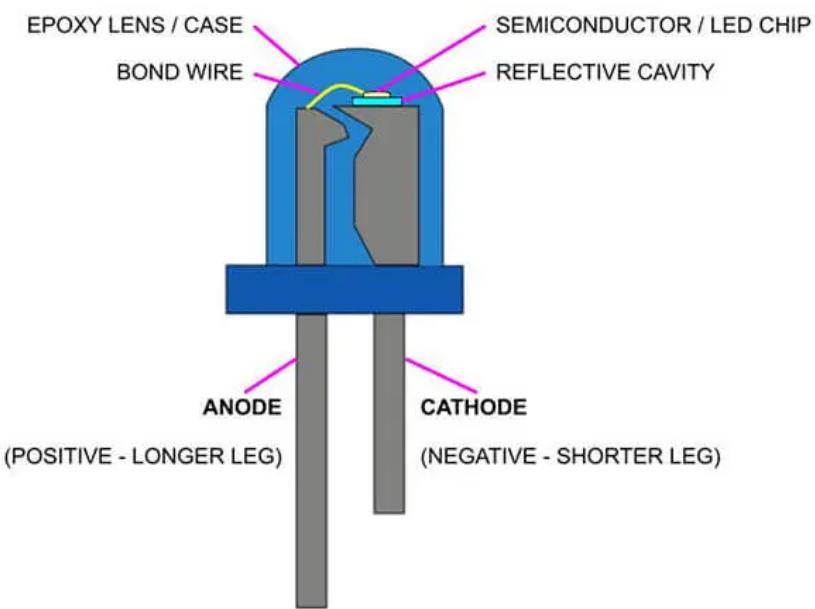


Step 5 - Install Light Emitting Diodes (LEDs)

With your LEDs, connect them as follows:

1. Connect the RED LED from 4e (long leg) to 4f
2. Connect the YELLOW LED from 6e to 6f
3. Connect the GREEN LED from 8e to 8f

(the direction of the LED **matters** and the longer leg generally is the anode, which is the positive side)



Step 6 - Turn on battery pack and see what happens!

Everything should be ready for power. Turn on your battery pack and see if you have a functional traffic light.

See what happens when you press the USR button on your microcontroller.

Wait and see if the behavior is always the same.

