### I.   Recommended Soldering Sequence for Main PCB

1. Tall 4-up headers on Board Bottom *(ensure flush mount and perpendicularity)*
2. Push button on Board Bottom
3. PM2.5 plug on Board Top *(most difficult component – ensure flush mount - check orientation!)*
4. ItsyBitsy Headers on Board Top
5. Tall 2-up Header on Board Bottom *(ensure flush mount and perpendicularity)*
6. SPDT Switch on Board Bottom
7. LiPoly and 5V_Boost Headers on Board Top
8. Adafruit 24-LED Ring, long pin on board side, short pin on ring side
9. Cut all long pins to be short (switch, pushbutton)

II.   ItsyBitsy Soldering
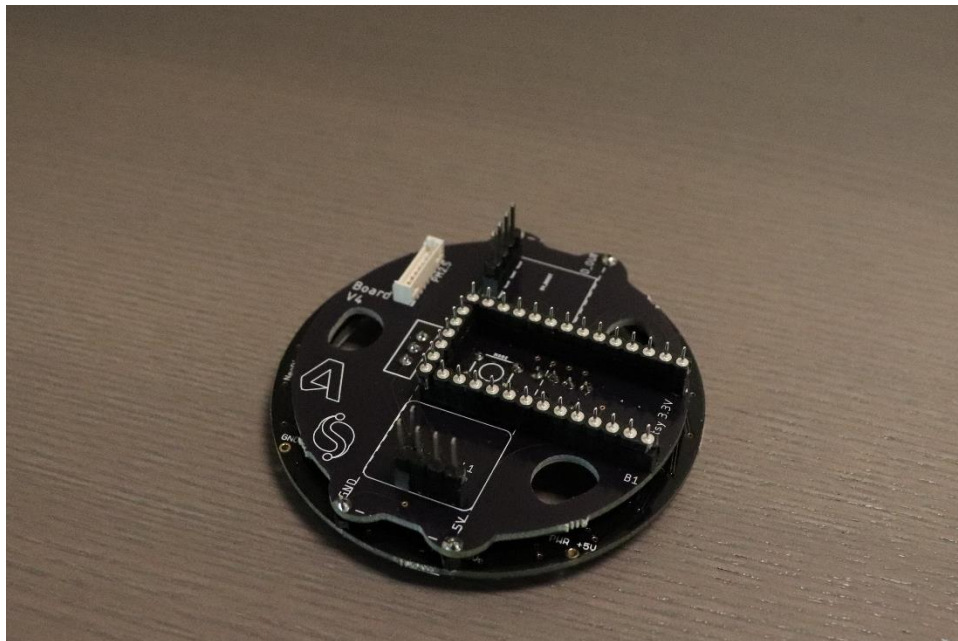
Use low-profile soldering pins. *Pin side with silver circles should face towards the board!*
Use main PCB as a soldering fixture for ItysBitsy pins.
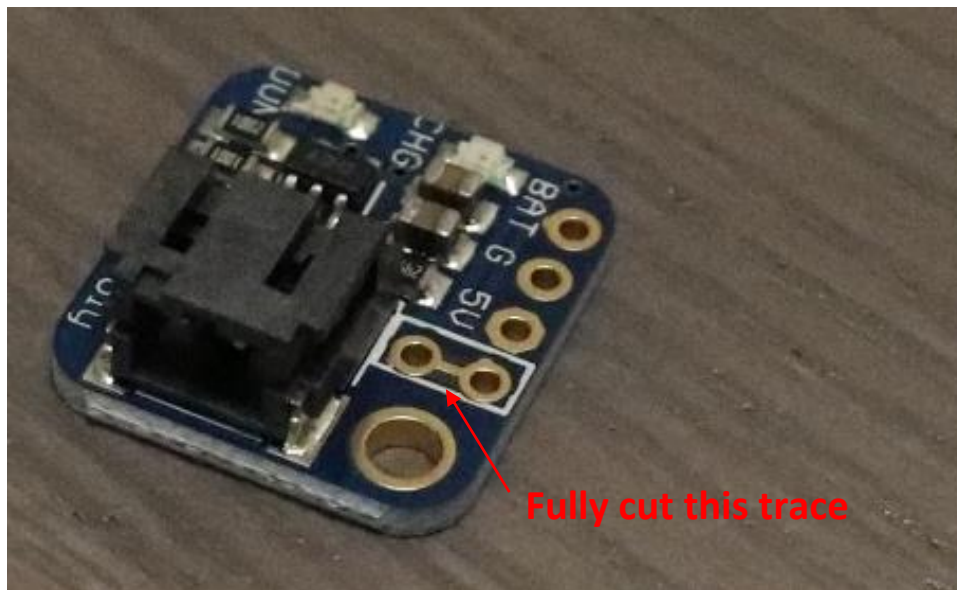
III.   5V Boost Soldering
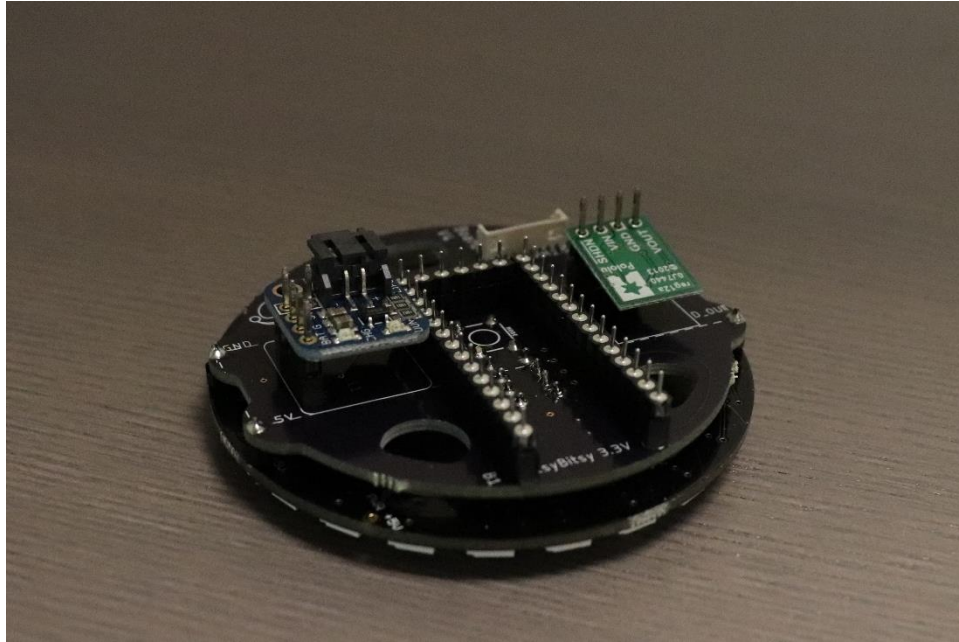
Use normal pins packaged with the boost board, with the long side of the pins on the text side of the Boost PCB (the top). Use main PCB as a soldering fixture for both 5V Boost and LiPoly pins. For both, press against the plastic part of the pins to set the board to 90 degrees after making an initial solder joint on one corner.
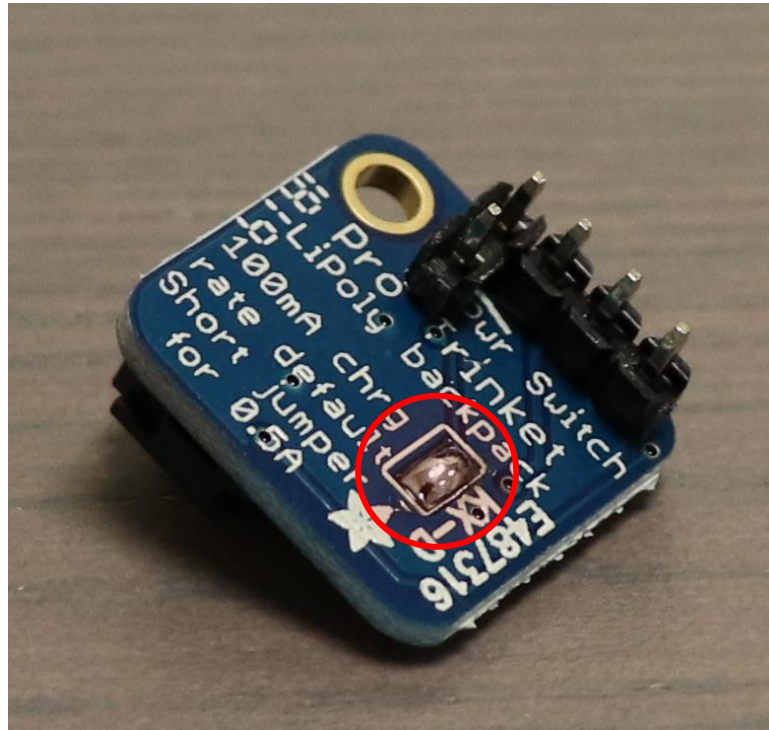
After soldering, cut the long leads off of the top of the board.

IV.   LiPo Preparation and Soldering
1. Cut trace labeled "Pwr Switch" on the reverse side.

Fully cut this trace

2. Use solder to short jumper on bottom of LiPoly board.

3. Use normal pins from ItsyBitsy's packaging, with the long side of the pins on the top of the LiPoly PCB. Use main PCB as a soldering fisture for both the 5V Boost and LiPoly pins.
4. Clip the long leads off the top of the LiPoly board after soldering.