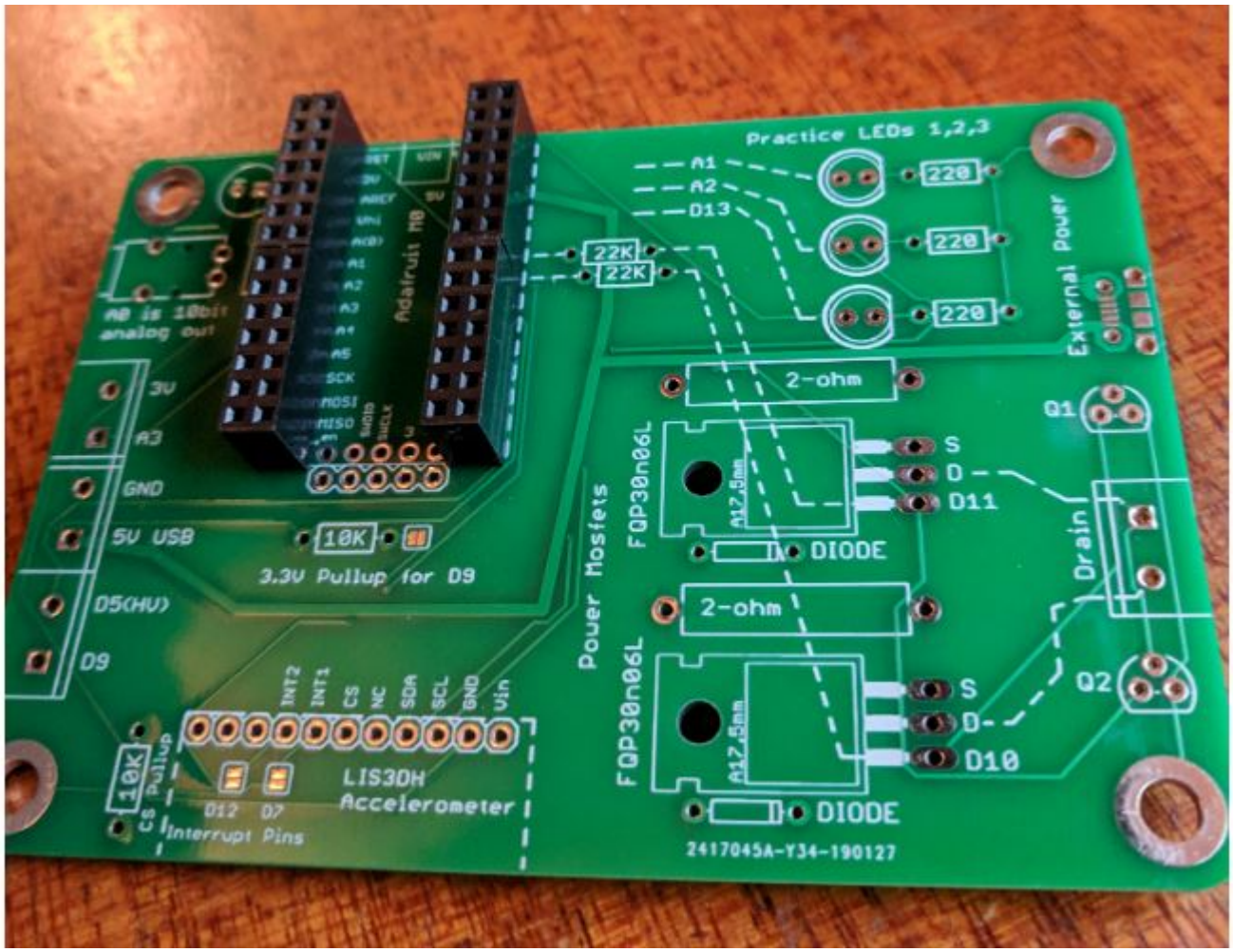
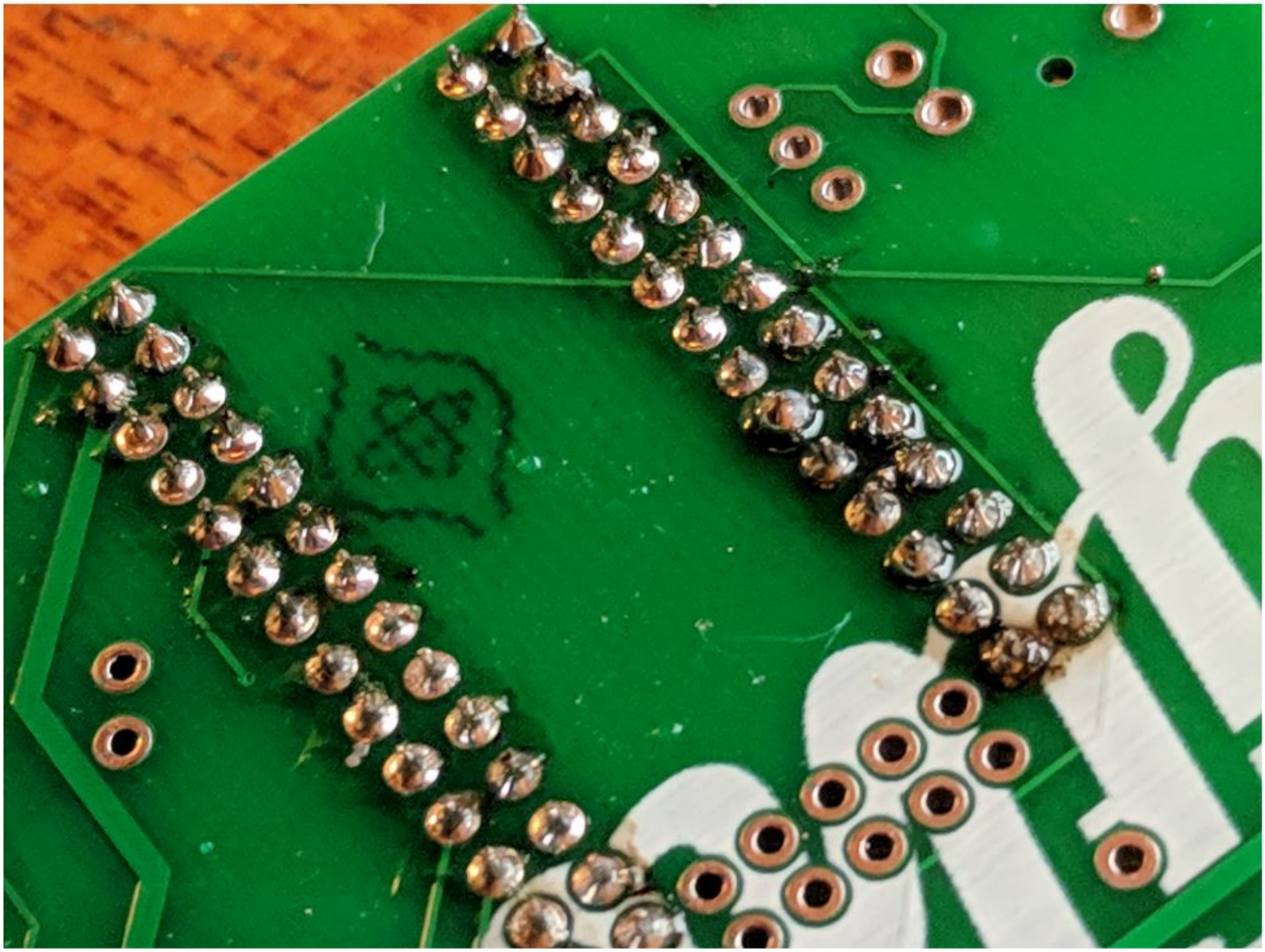
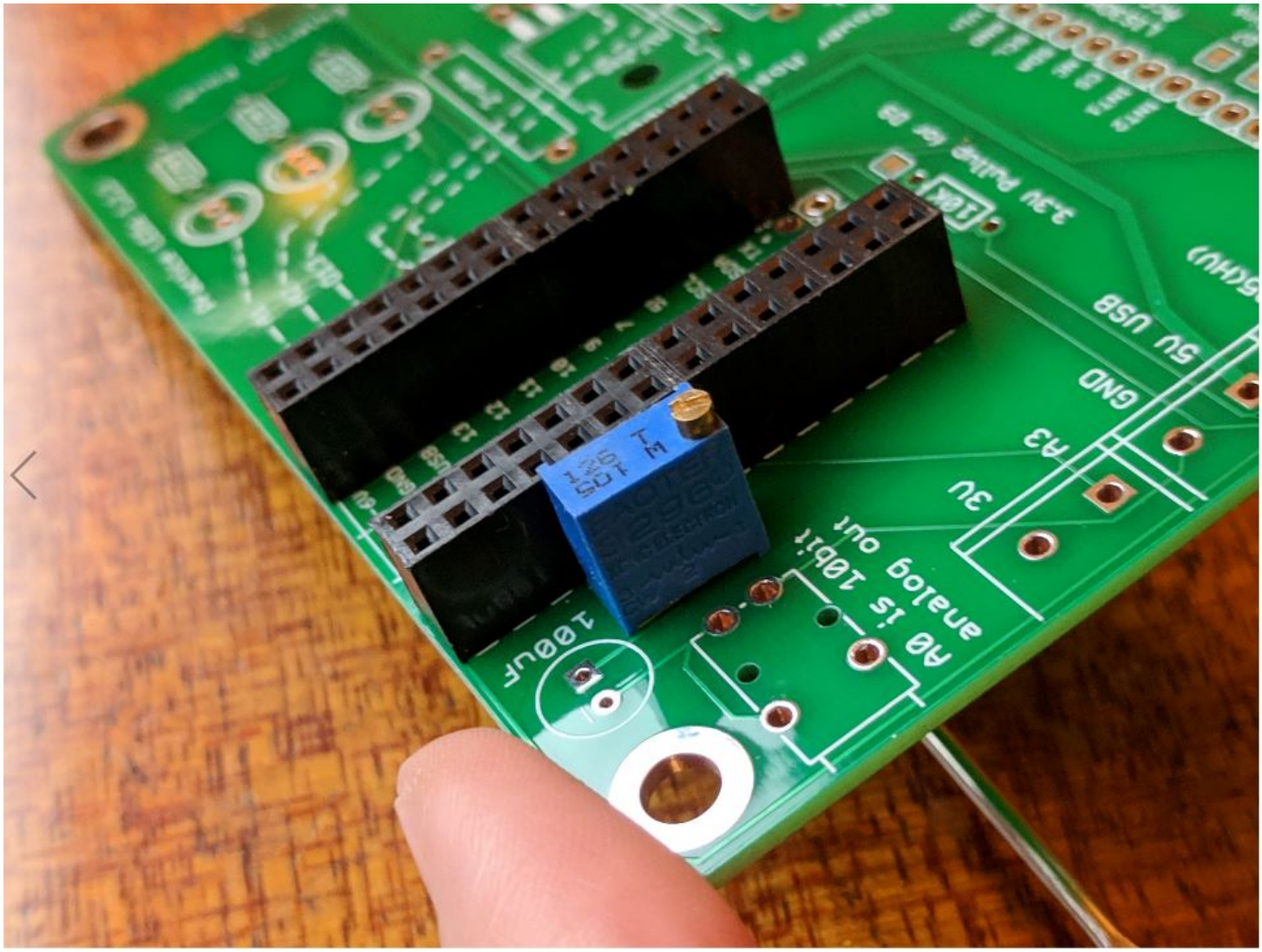
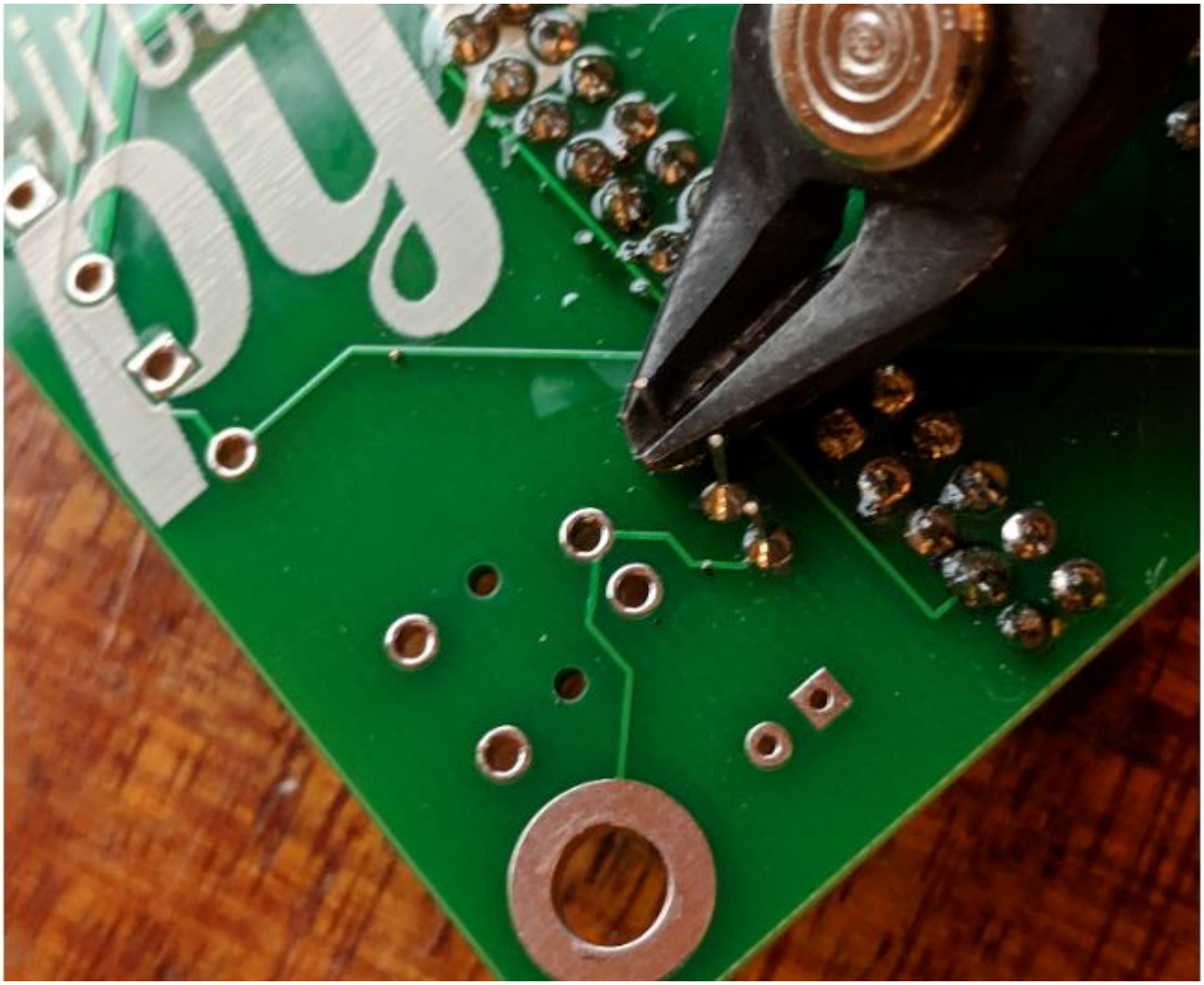
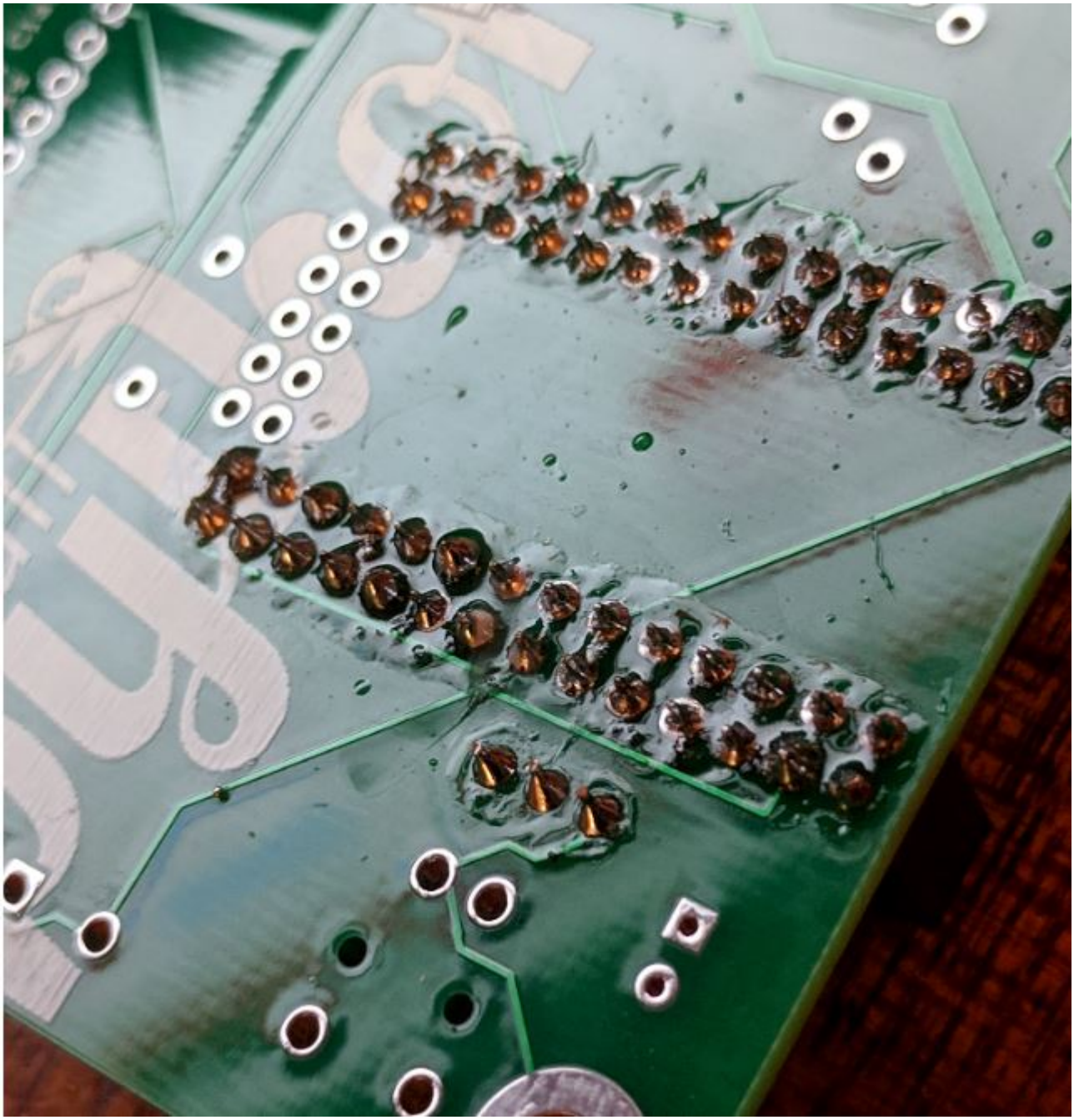

Practice LEDs 1,2,3
A1
A2
D13
220
220
220
22K
22K
External Power
2-ohm
Q1
S
D
D11
FQP30n06L
DIODE
Drain
Power Mosfets
2-ohm
Q2
S
D
D10
FQP30n06L
DIODE
2417045A-Y34-190127
A0 is 10bit analog out
3V
A3
GND
5V USB
10K
3.3V Pullup for D9
D5(HV)
D9
INT2
INT1
CS
NC
SDA
SCL
GND
Vin
10K
CS Pullup
D12
D7
Interrupt Pins
LIS3DH
Accelerometer

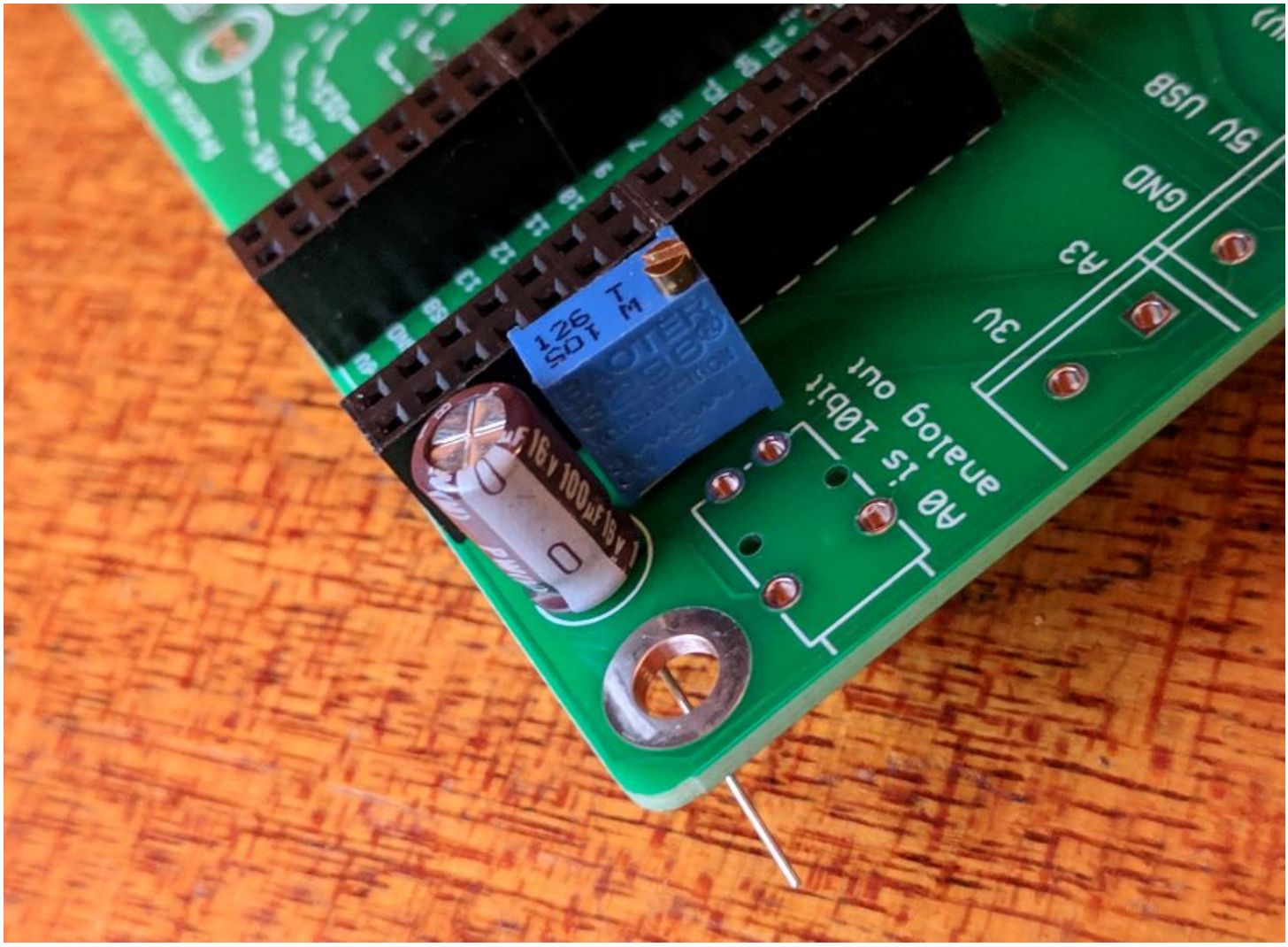


Solder on pins should look concave. NOT BALLS. Use your solding iron to wick away excess solder.

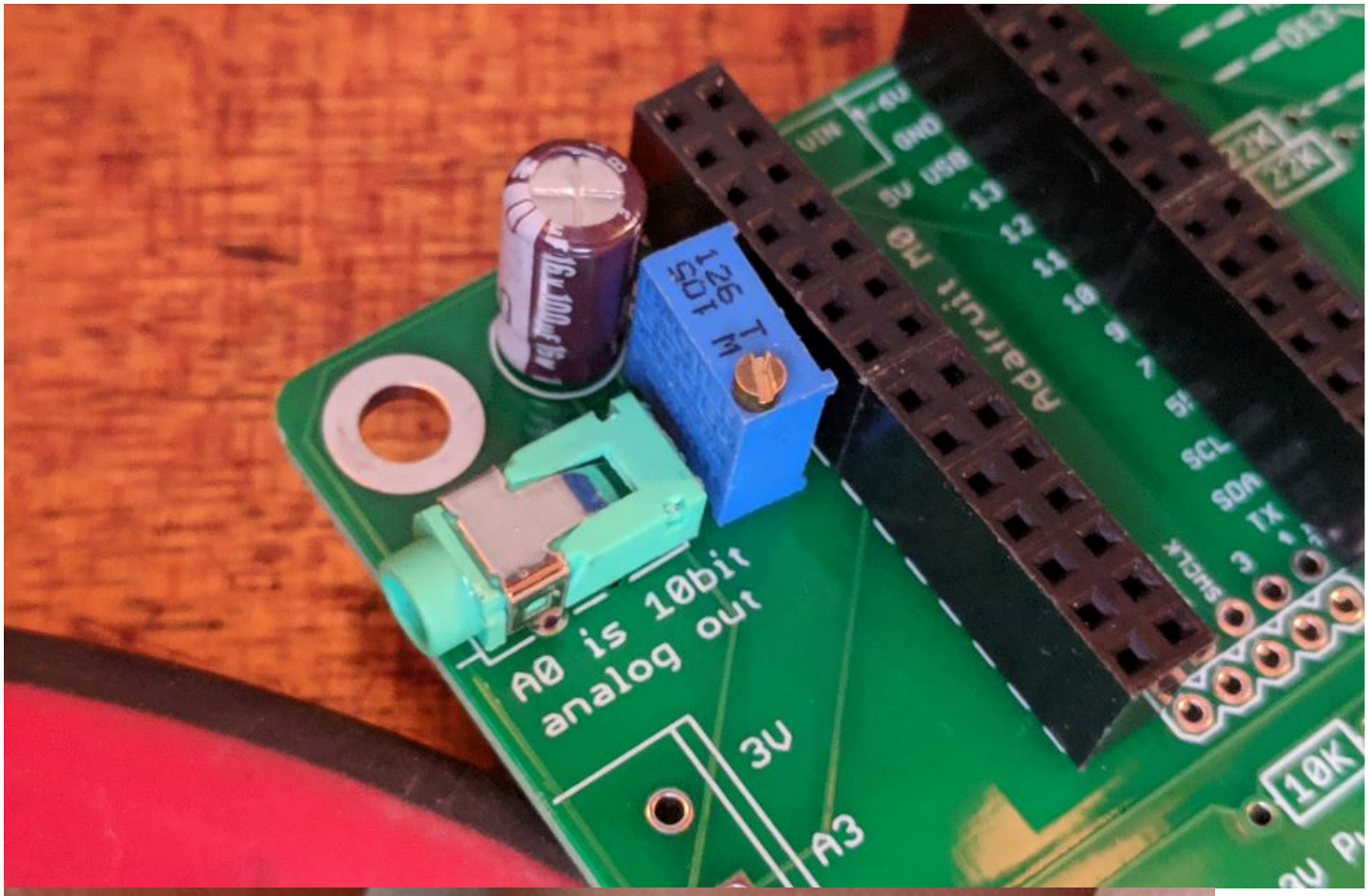

A0 is 10bit
analog out
3V
A3
GND
5V USB
100uF

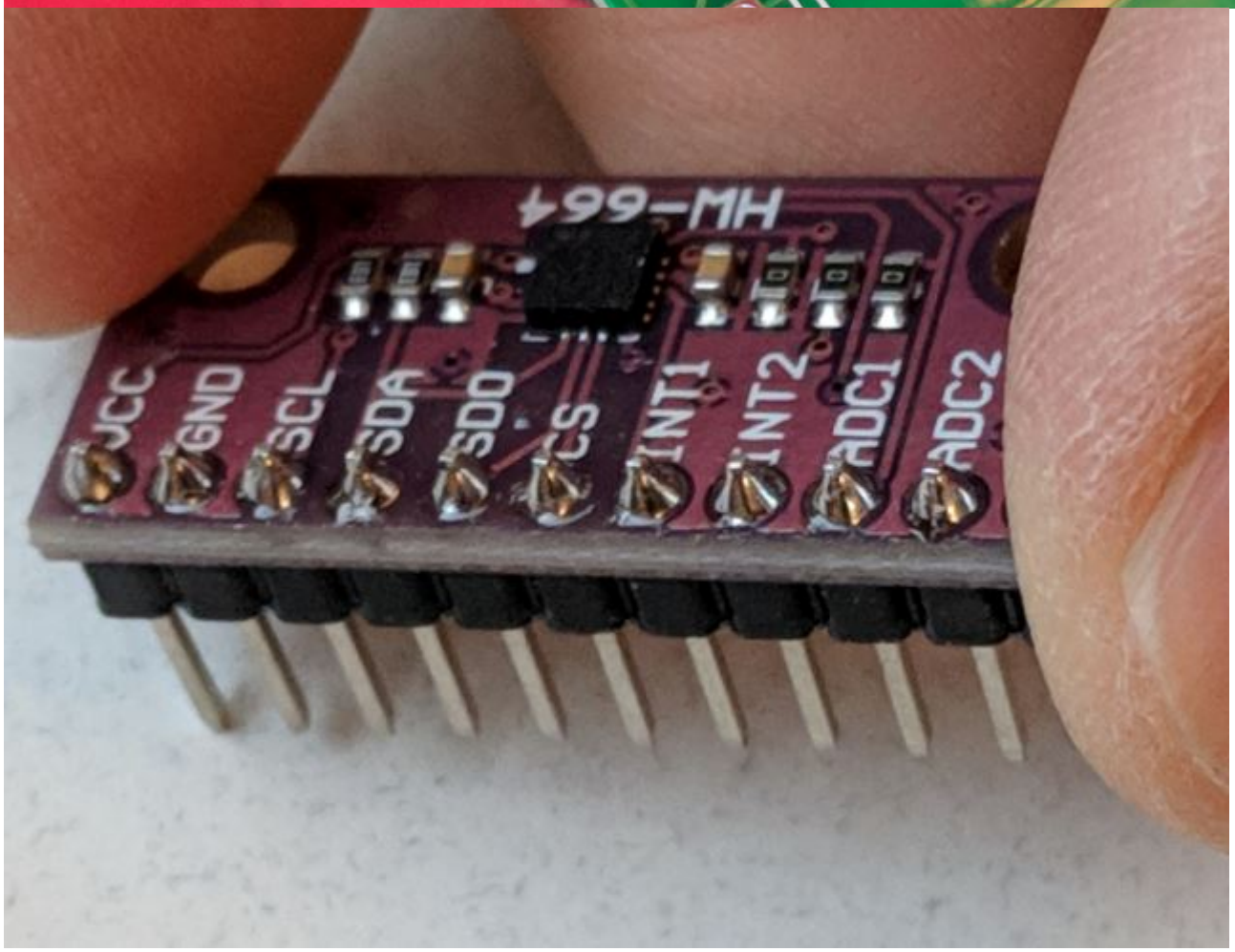


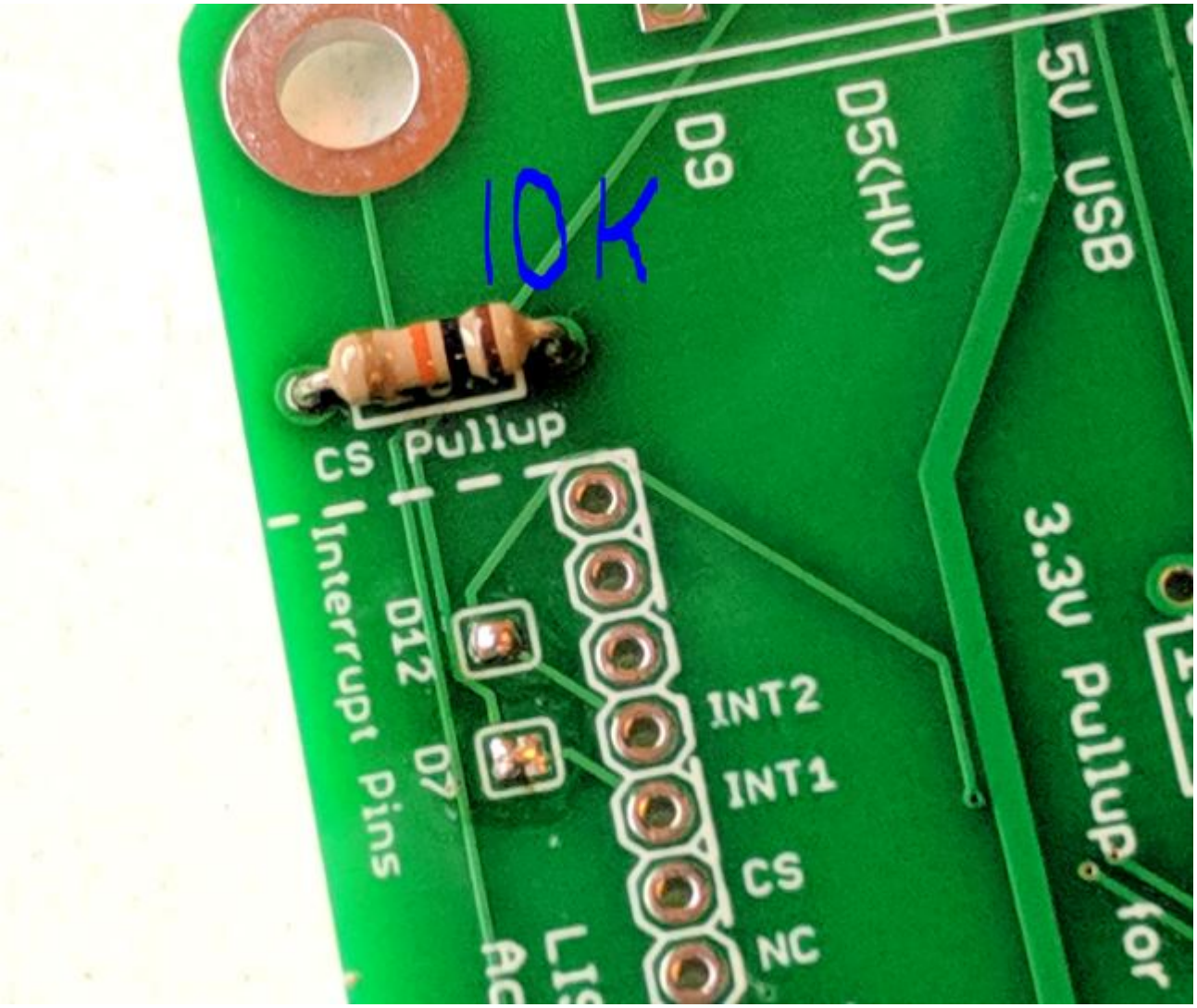




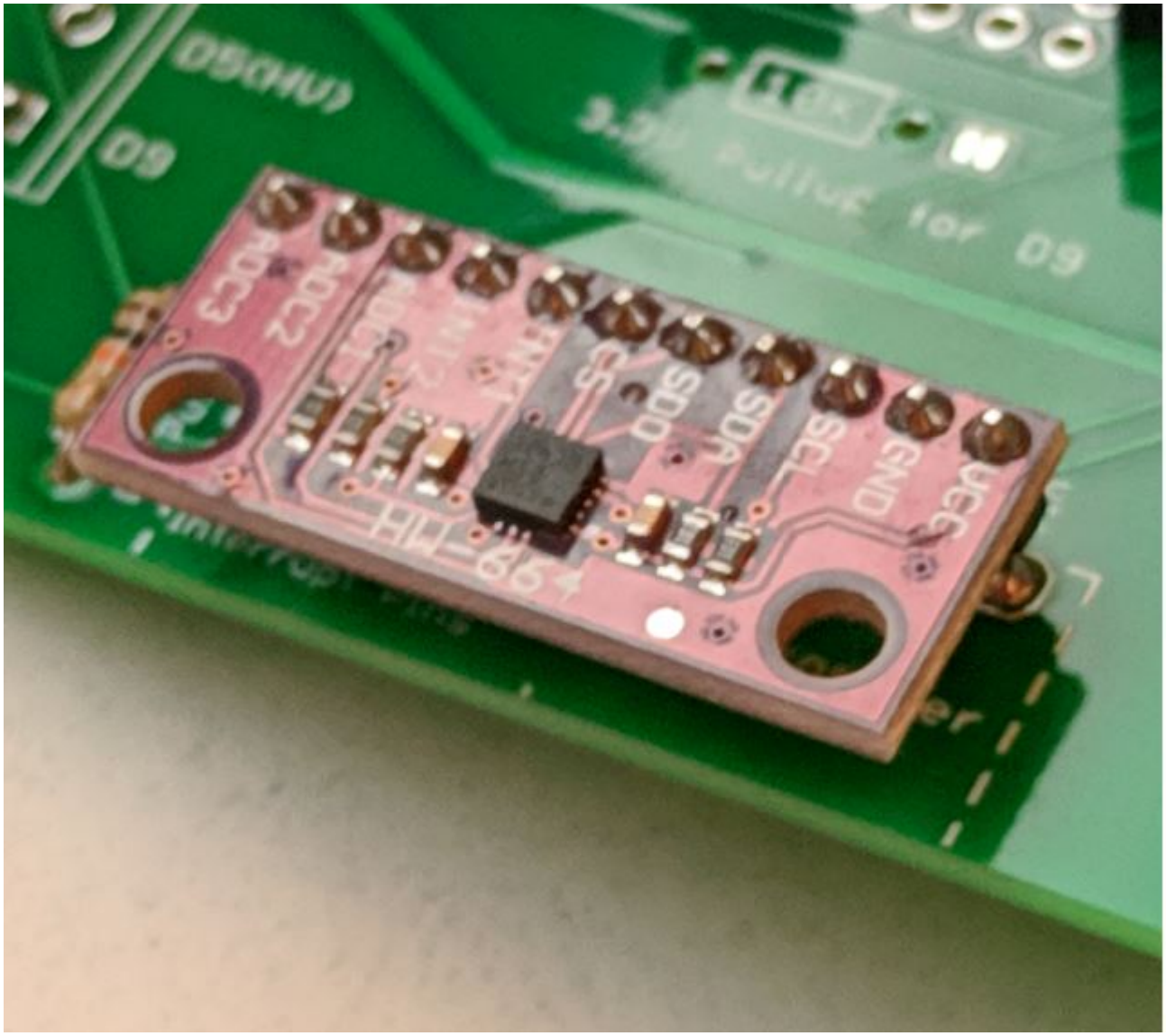
Your cap maybe 47uF cause that's what I had although the adafruit tutorial recomends 100uF 16V.


A0 is 10bit
analog out
3V
A3
Adafruit M0
SCL
SDA
TX
10K
22K

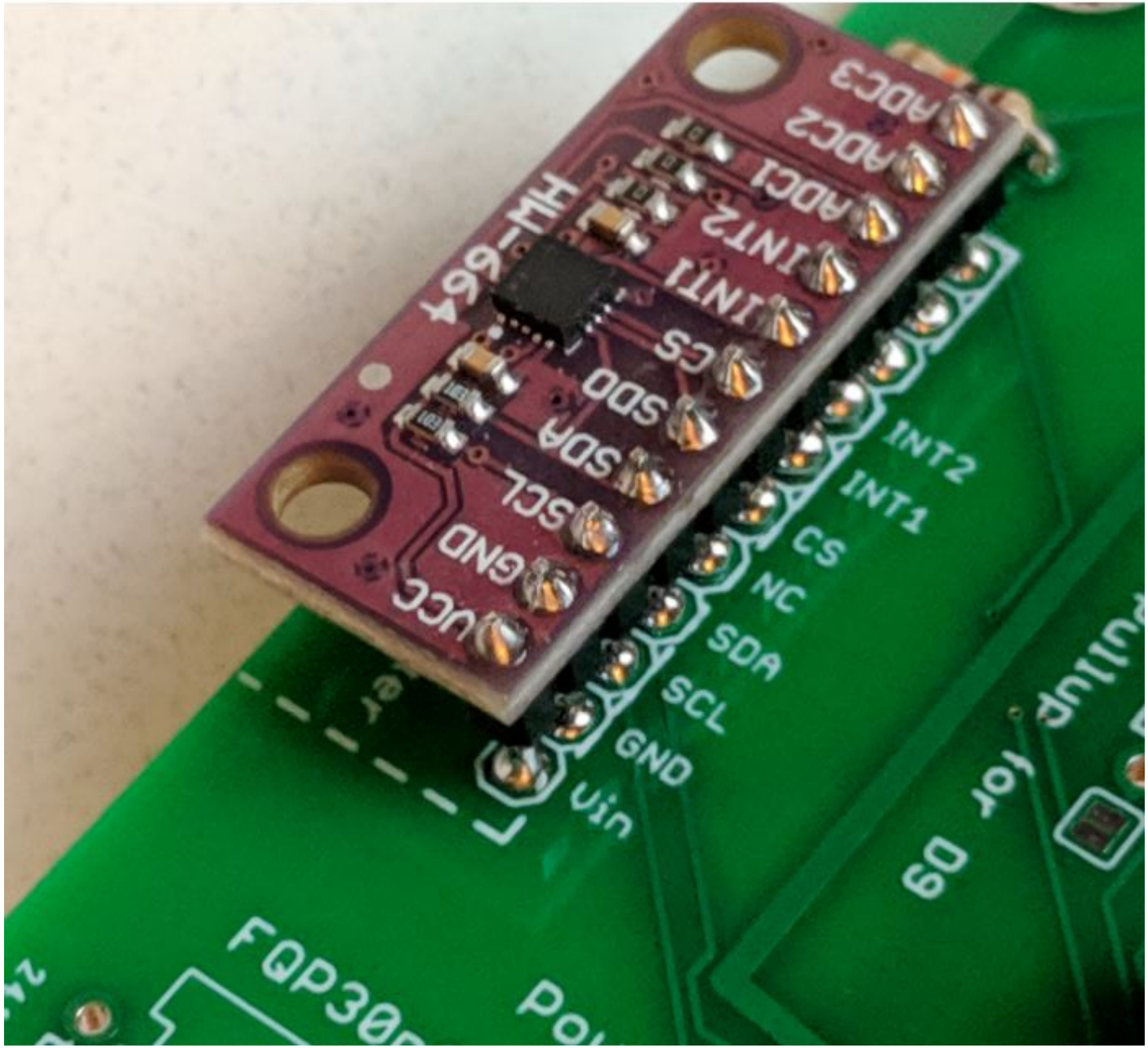

HW-664
VCC
GND
SCL
SDA
SDO
CS
INT1
INT2
ADC1
ADC2

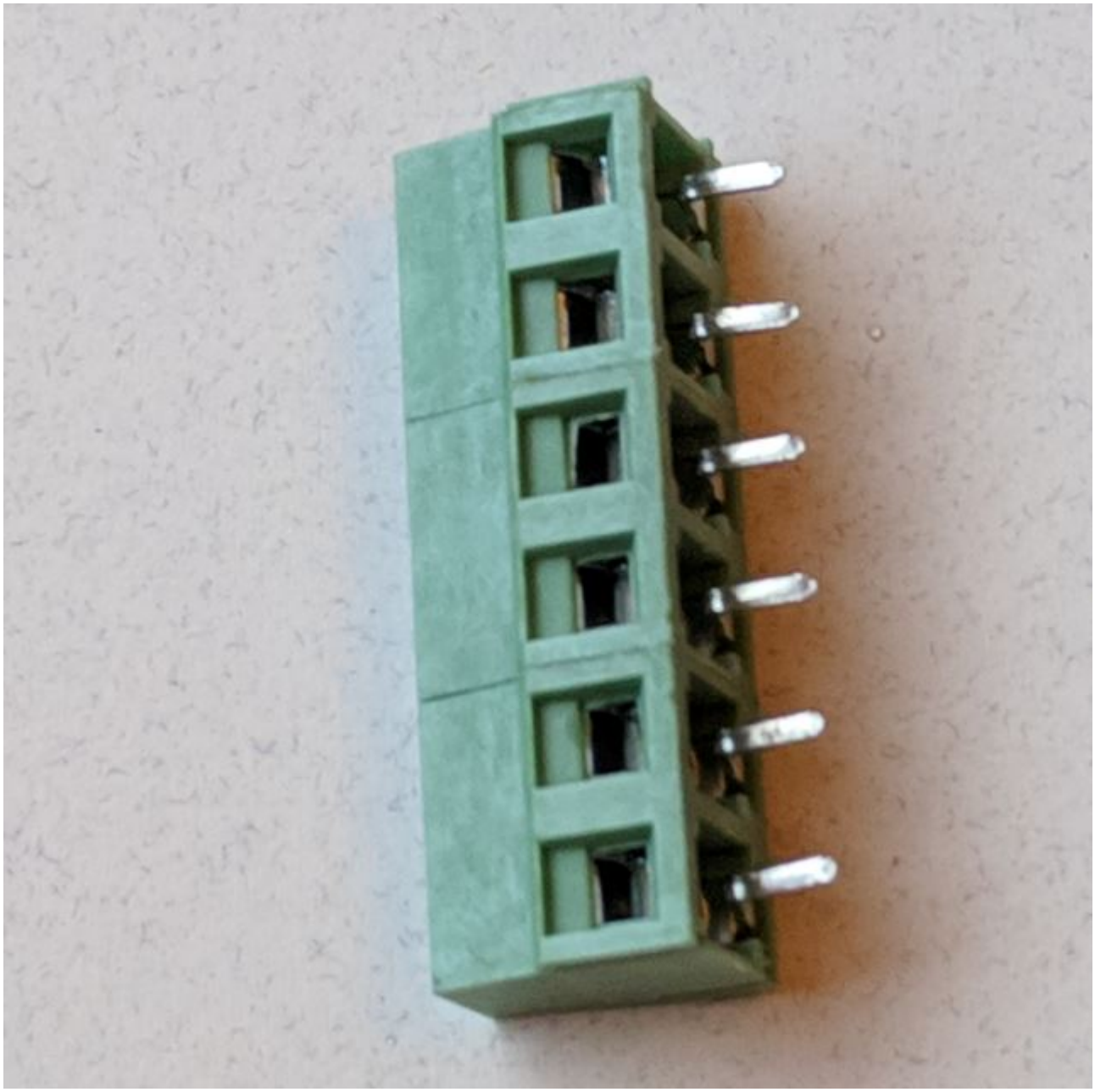


The resistor color band for 10K is brown-black-orange. The last color (gold in this picture) indicates tollerance (1%, 5%, etc).

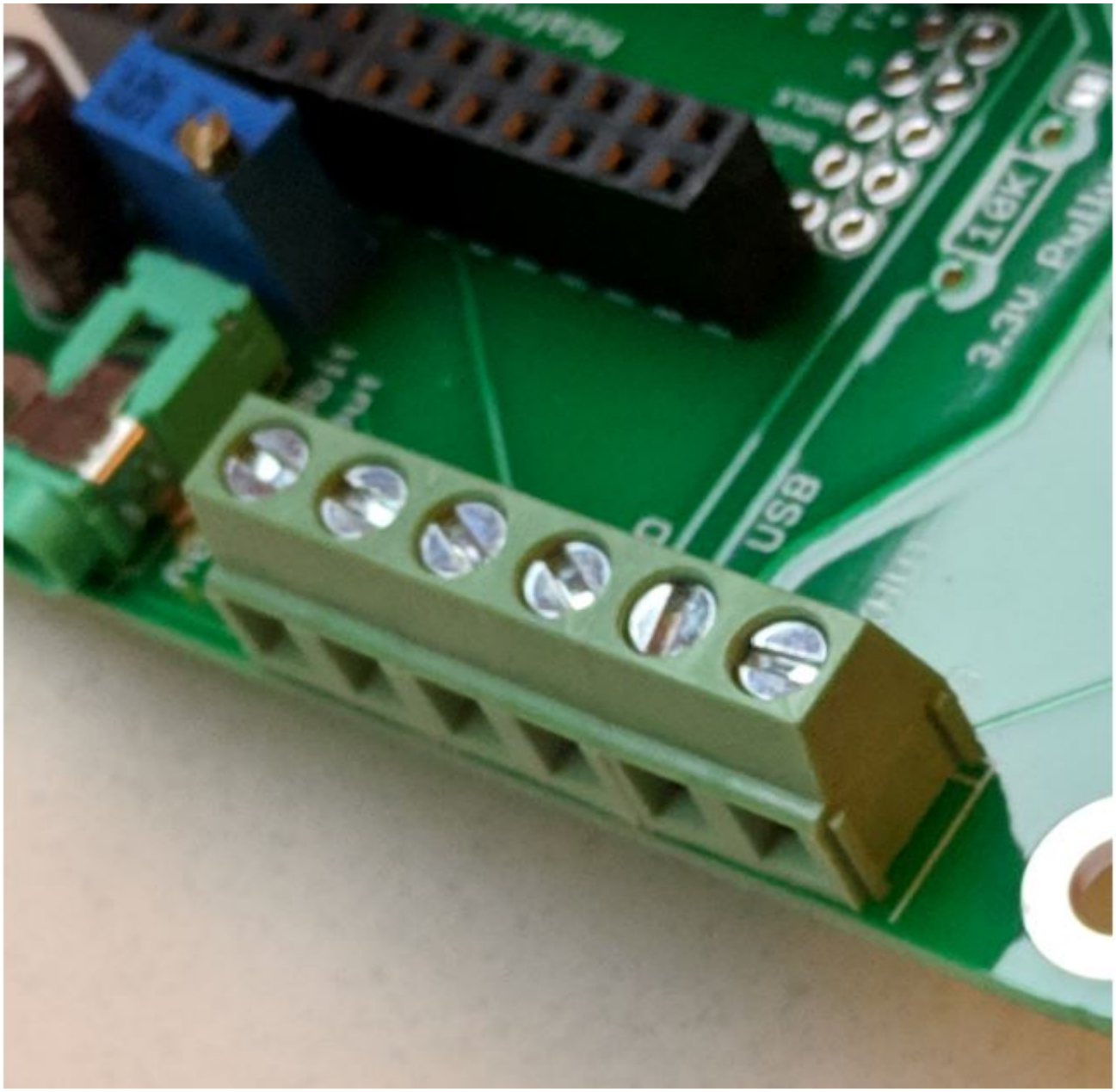

ADO3
ADO2
SDO
SDA
SCL
GND
VCC

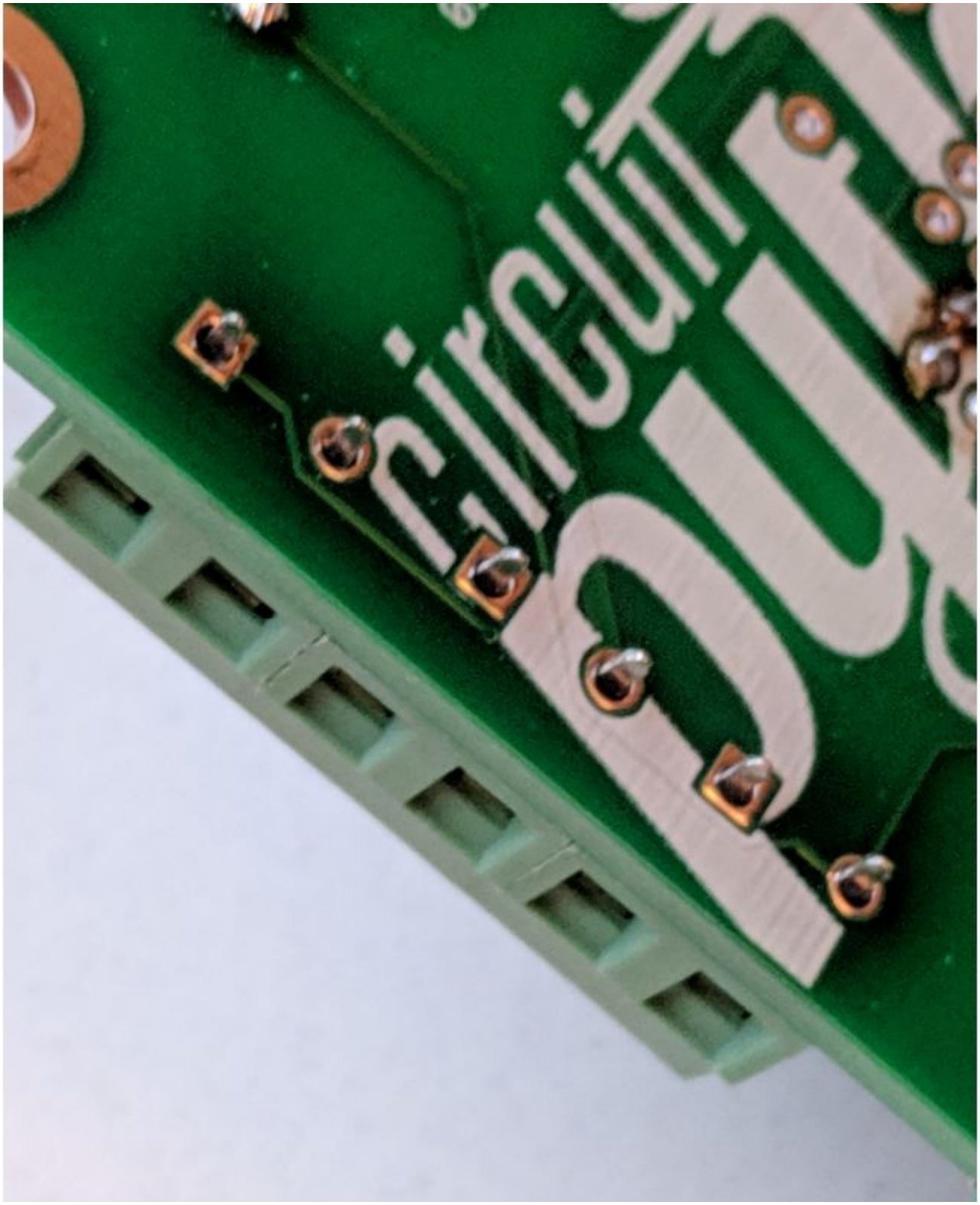
Soldering the accelerometer board ~1/8" above the PCB keeps the pins looking nice on the bottom.

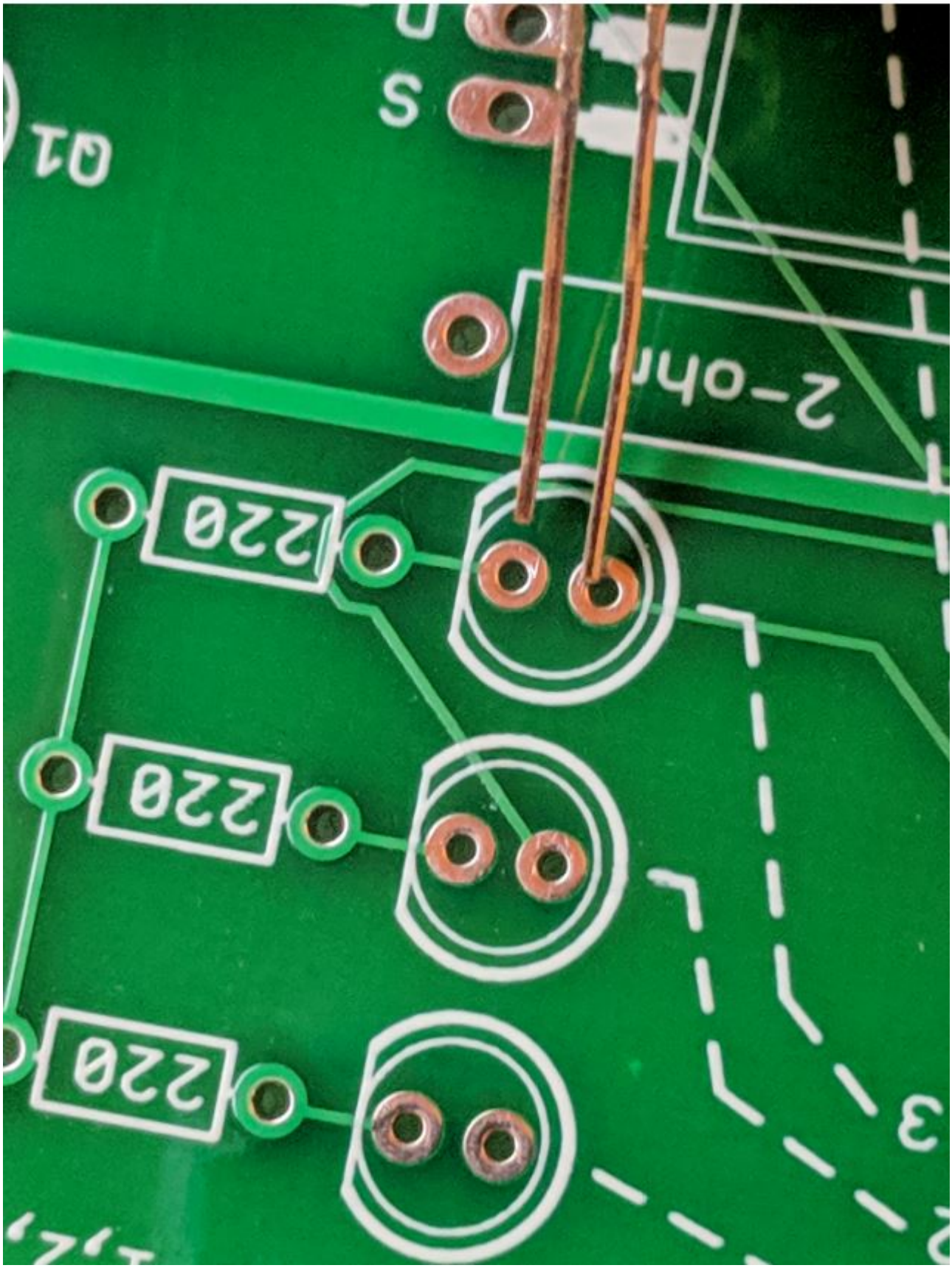

ADC3
ADC2
ADC1
INT2
INT1
CS
SDO
SDA
SCL
GND
VCC
HW-666
INT2
INT1
CS
NC
SDA
SCL
GND
Vin



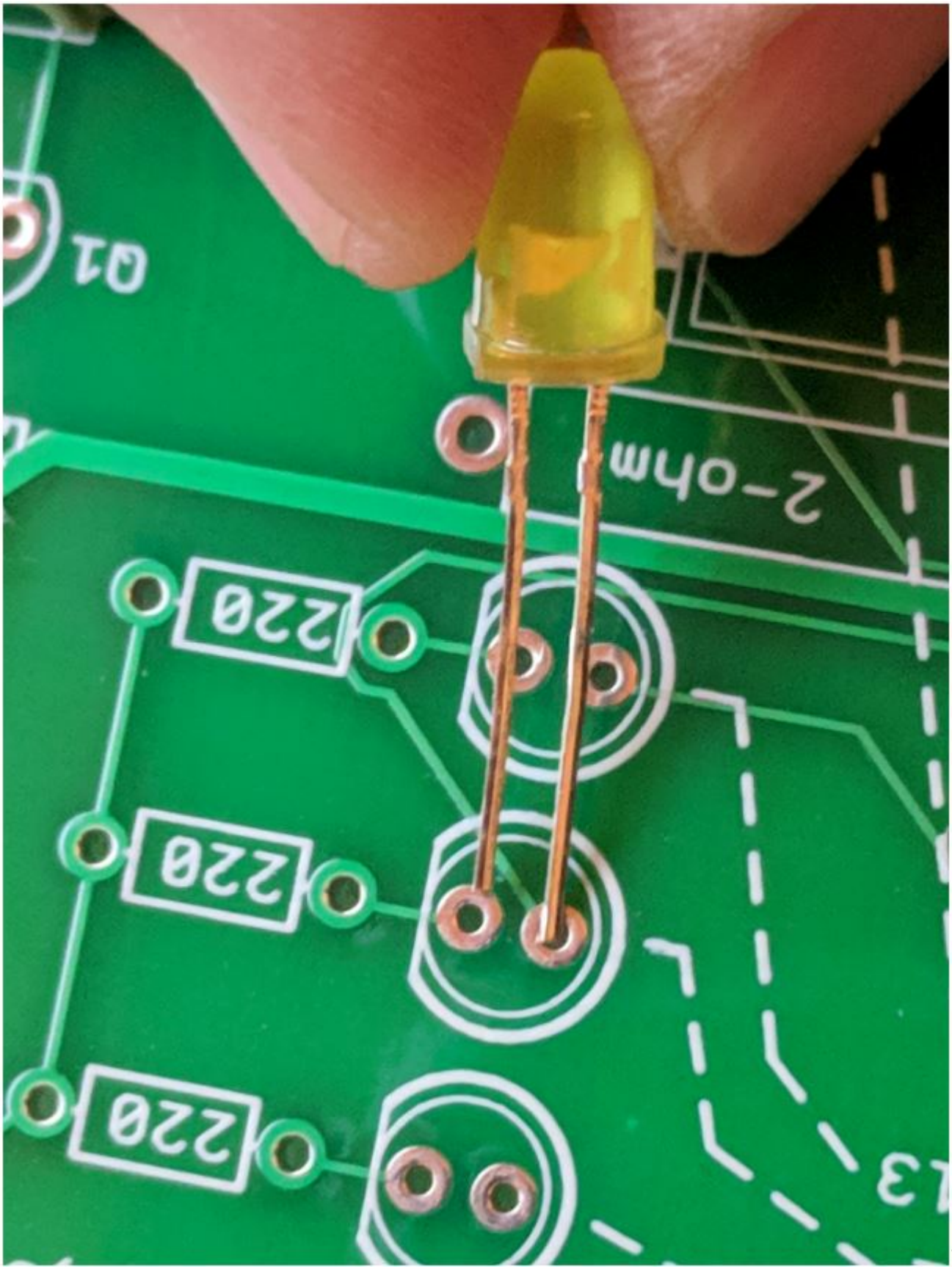
These 5.08mm screw terminals slide together.


USB

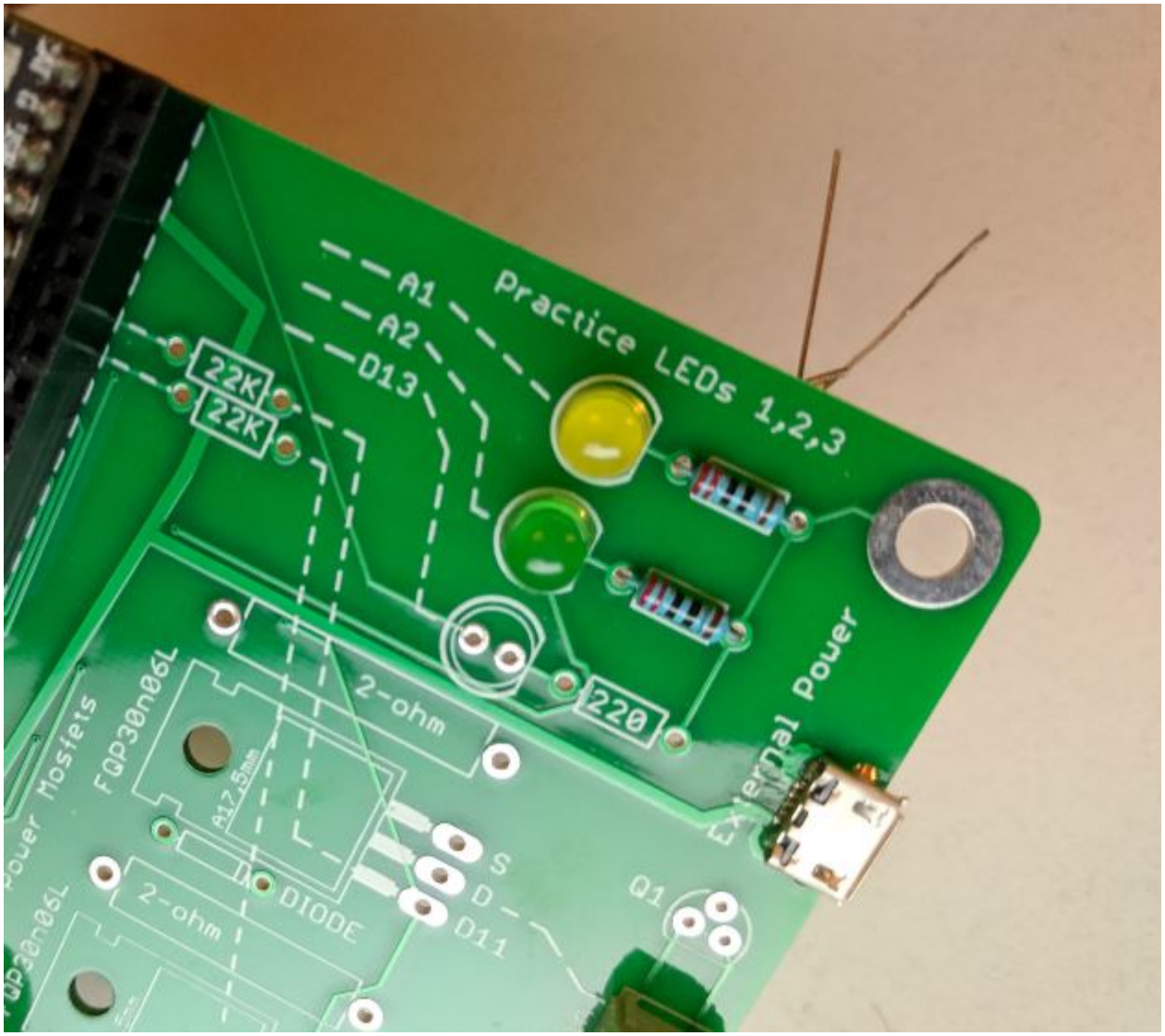

Circuit



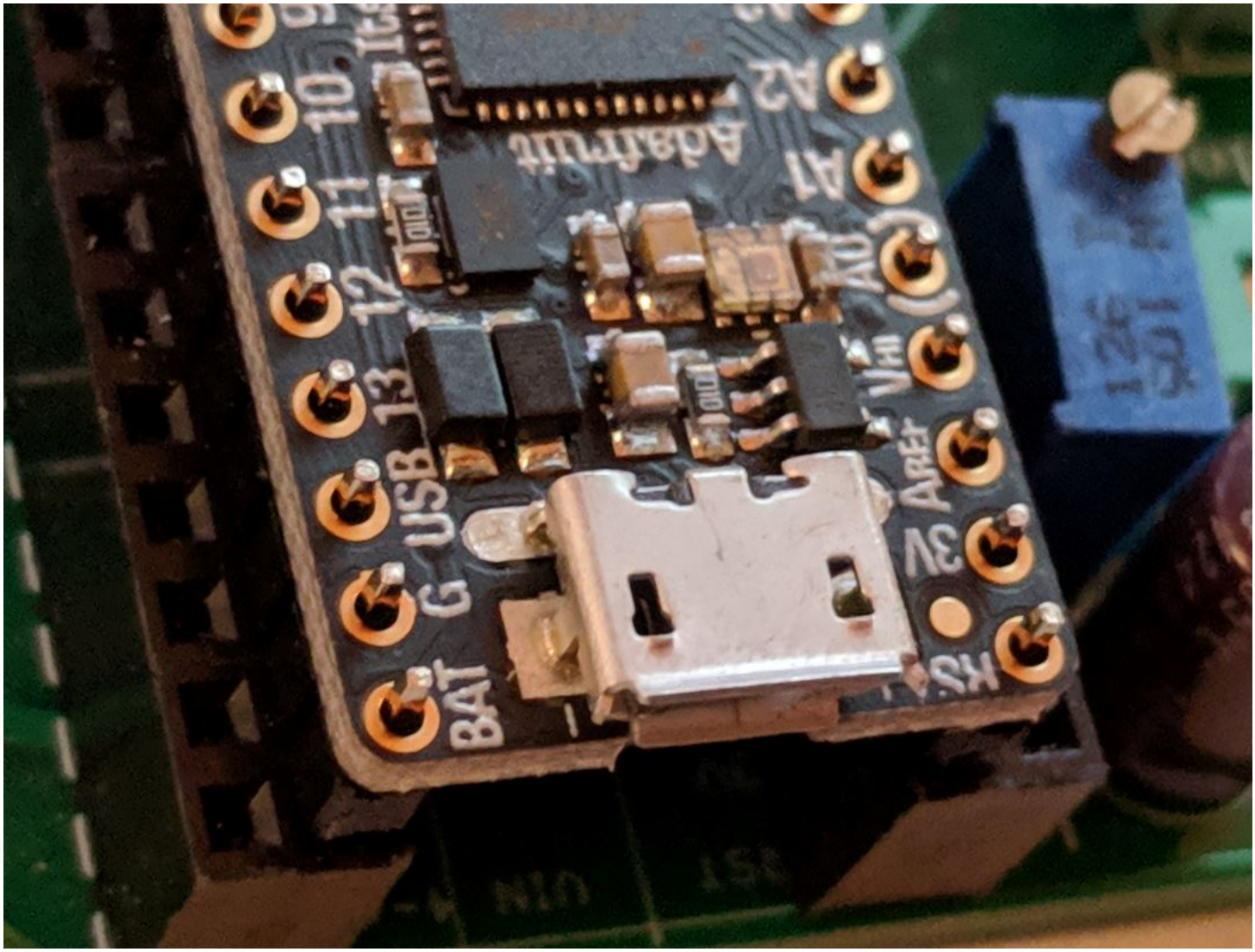
Choose wichever color LEDs you like. The longer lead is positive.



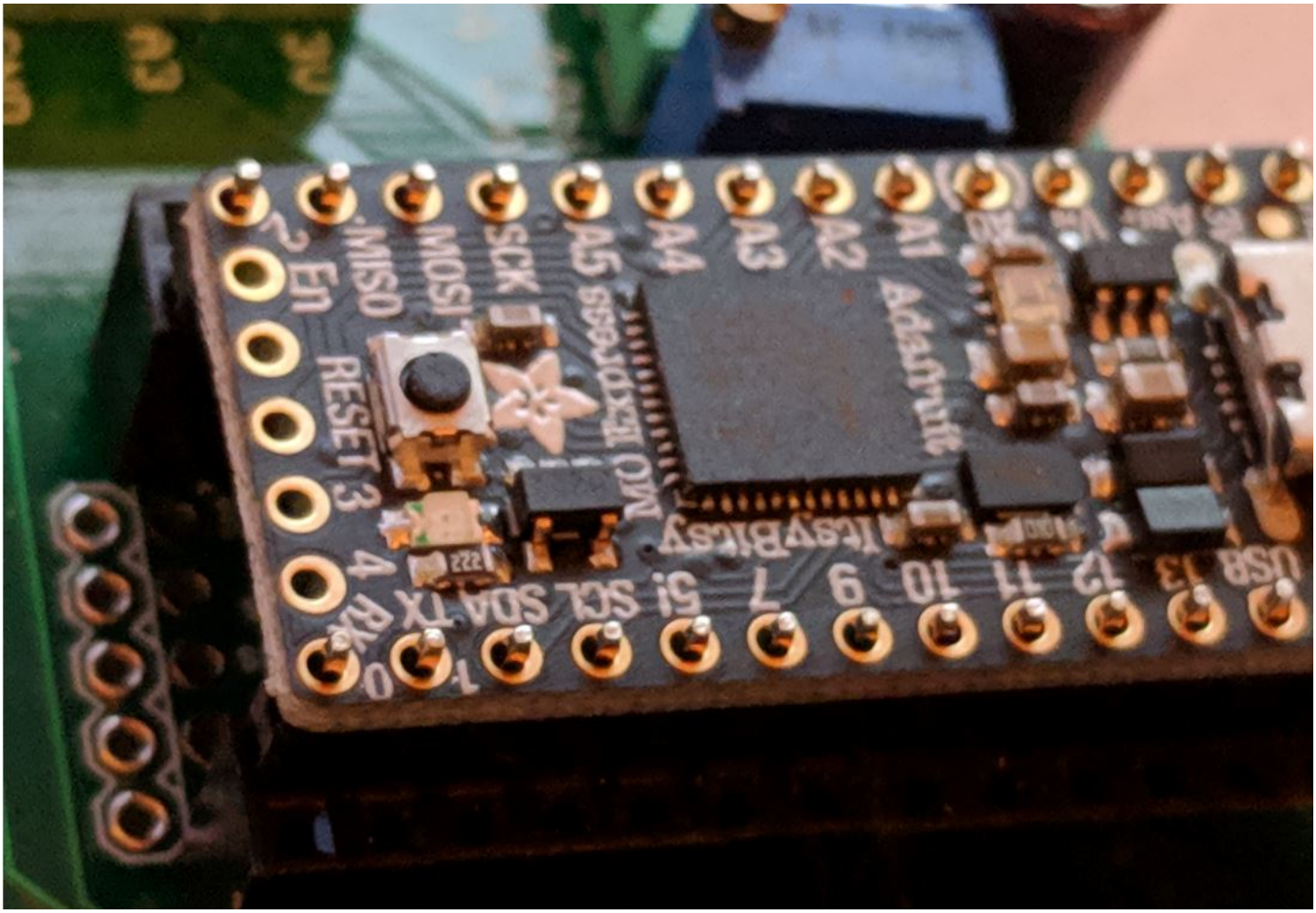
The notch in the LED is negative and matches the notch in the silkscreen.



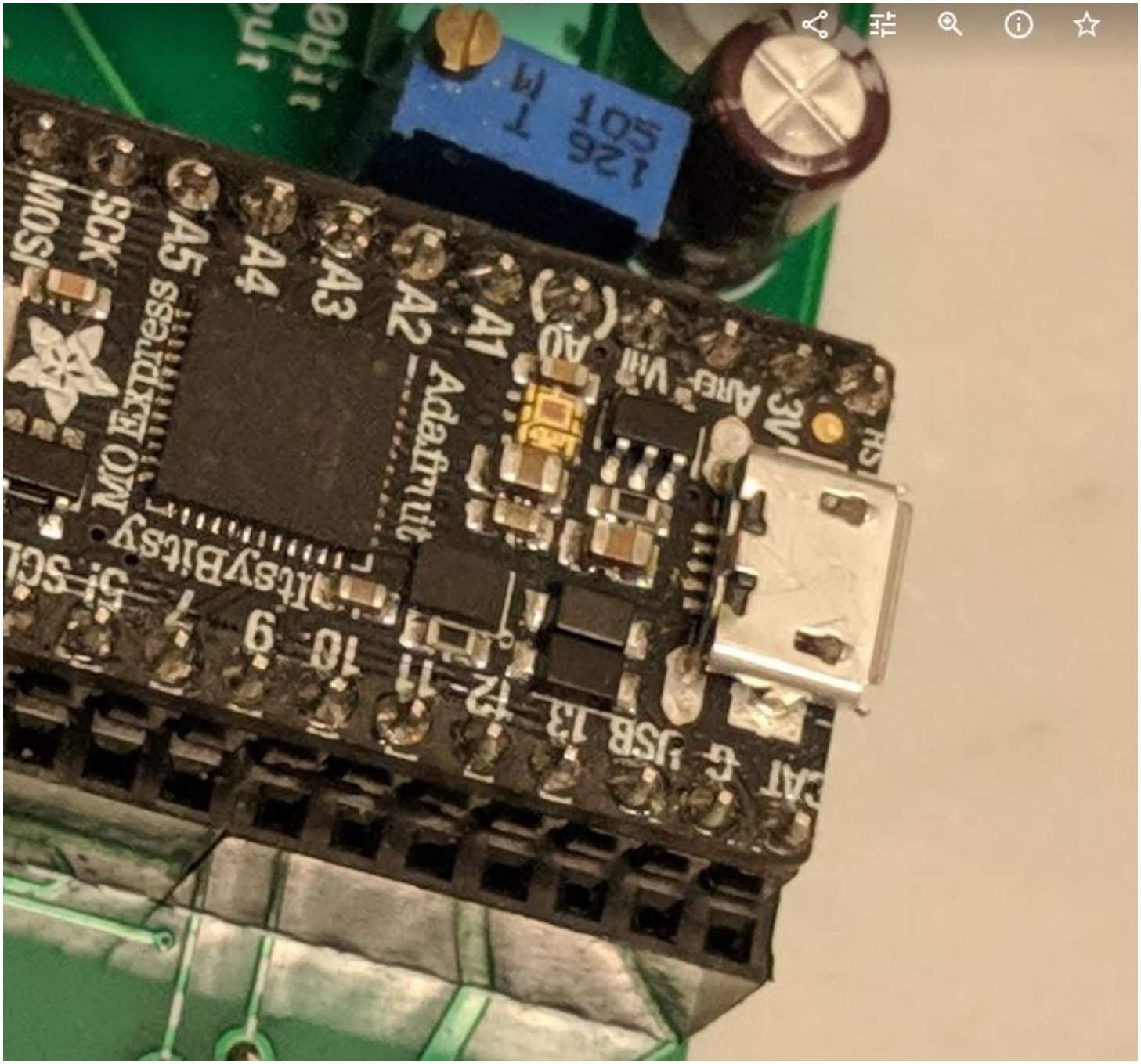
The current limiting resistors for the LEDs is 220ohms. The color band for 220 is red-red-black.

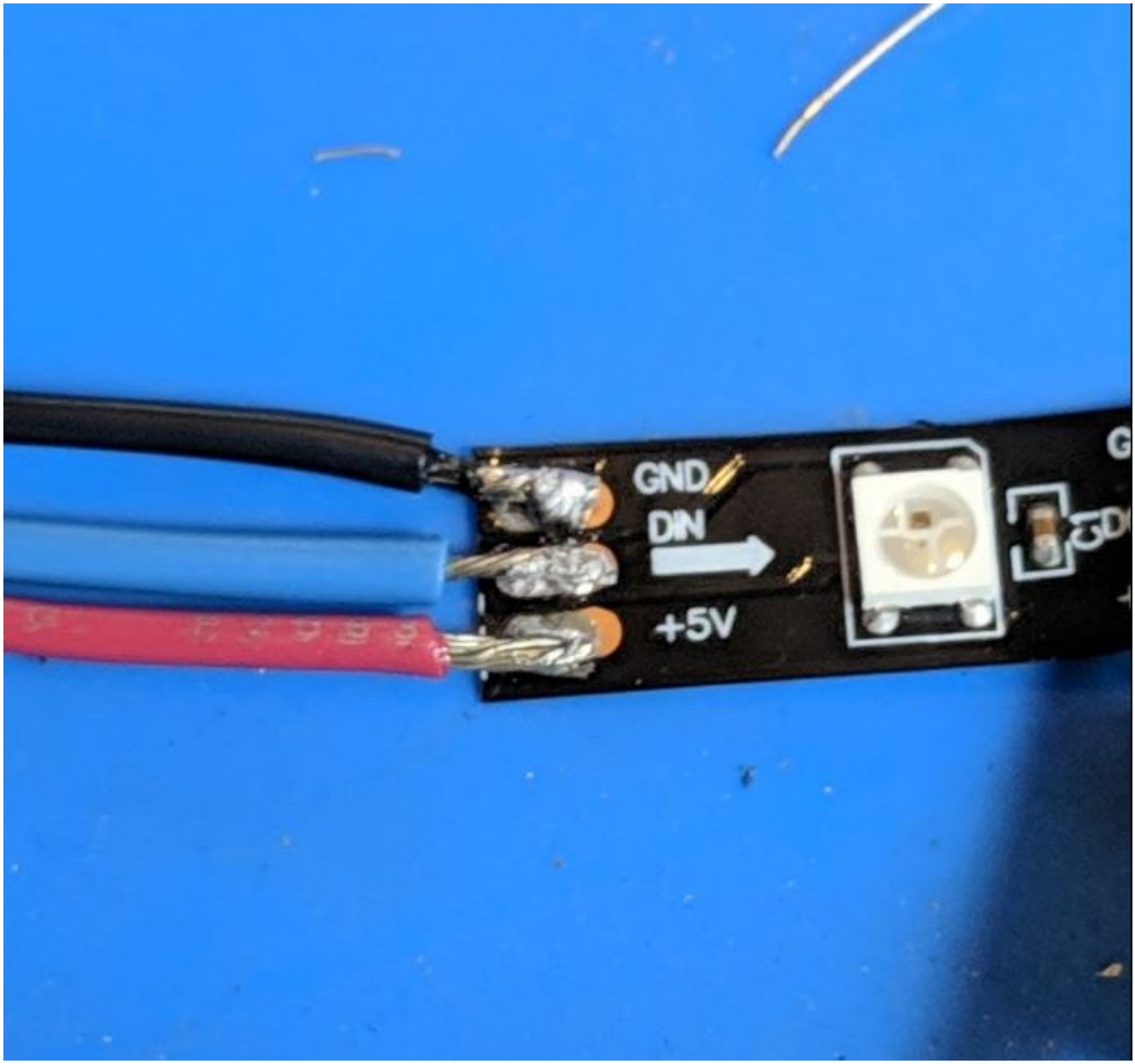


Break the male headers into 14 pins to match the length of the uController and solder the pins to the uController.



Break 2 pins off the 16pin male headers to get 14 pins is all you need. You're Done.


A5
A4
A3
A2
A1
A0
SCK
MOSI
Adafruit
3V
USB
13
12
11
10
9
7
5
SCL



We're not going to solder the rest of the parts unless we have more time or you want to do extra.