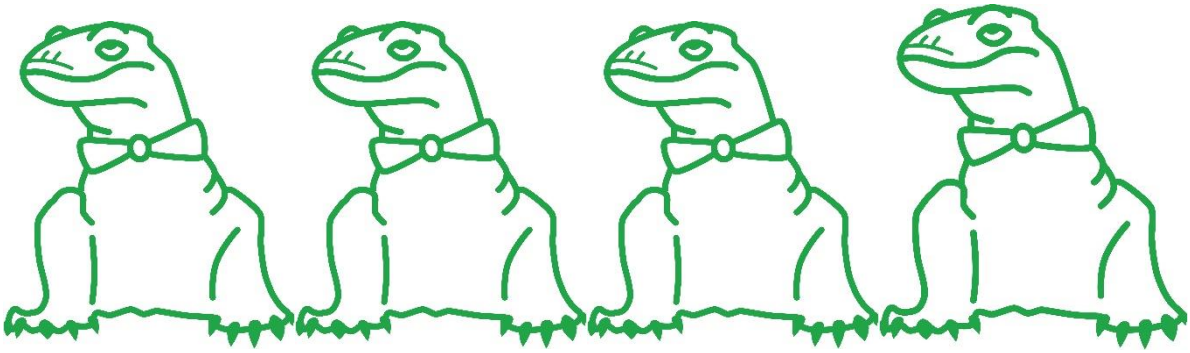
Perfboard Layout Diagram

Assembled and documented by David Cain



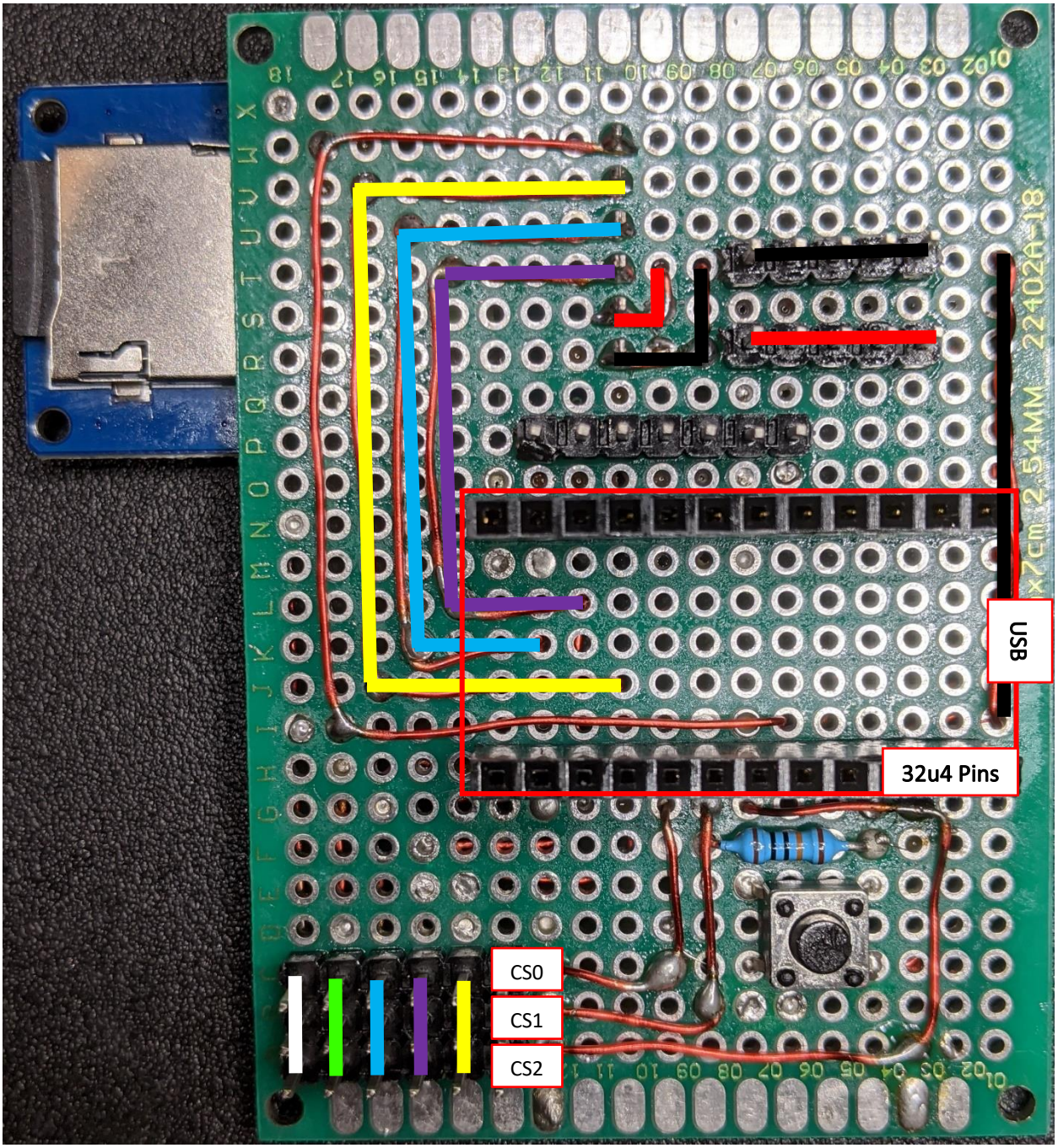
Legend

- General signals are covered by the legend. Other signals like button inputs and chip selects will be notated on the photo or can be referenced with the included pinout.

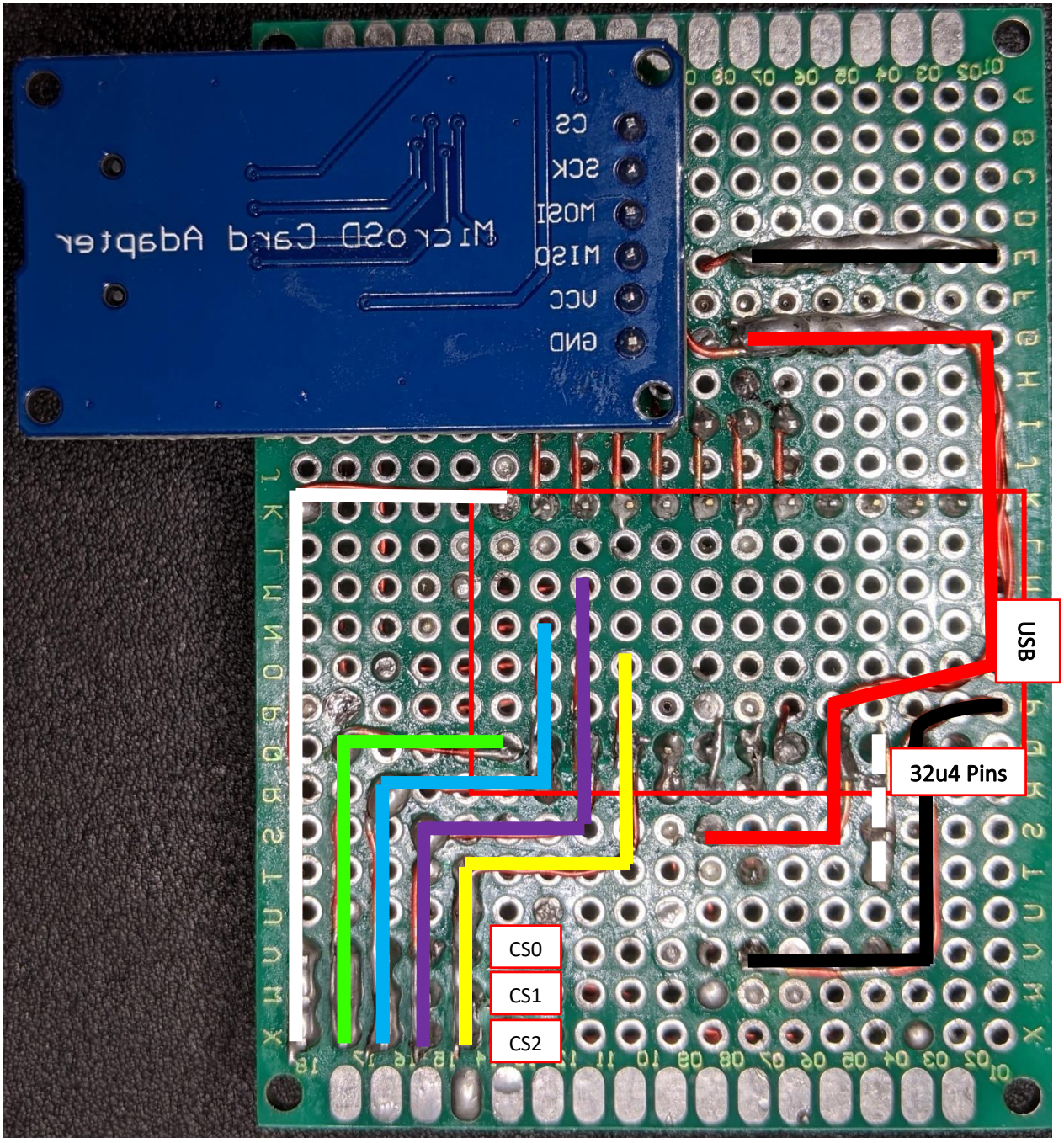
Signal	Color
5V	Red
Ground	Black
Atmega 32u4 Reset	Dotted White
OLED Reset	White
OLED DC	Green
MOSI	Blue
MISO	Purple
SCK	Yellow

(Pinout is at EOD)

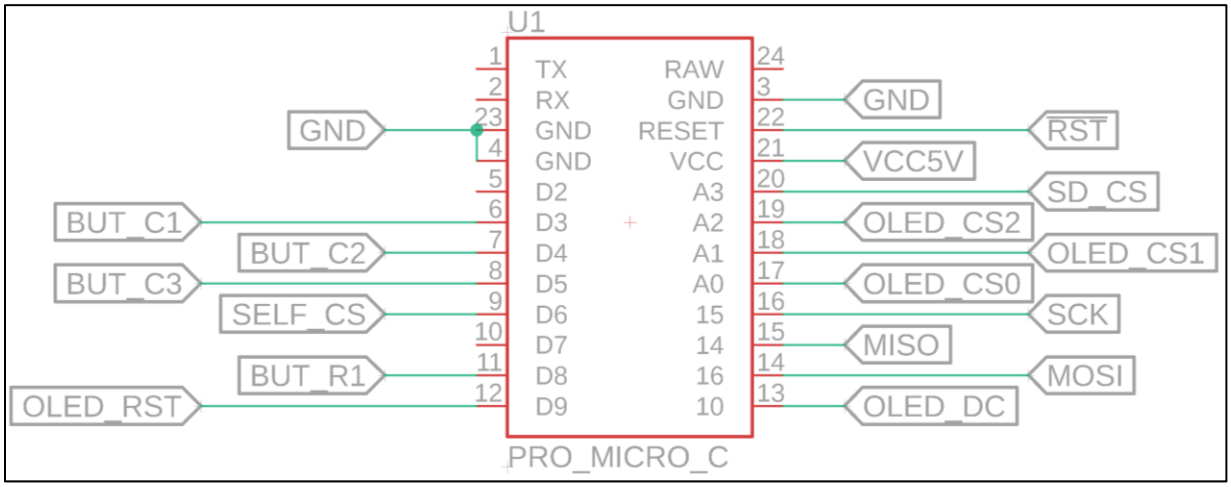
Top Side



Bottom Side



Pinout


U1
1
2
23
4
5
6
7
8
9
10
11
12
TX
RX
GND
GND
D2
D3
D4
D5
D6
D7
D8
D9
RAW
GND
RESET
VCC
A3
A2
A1
A0
15
14
16
10
24
3
22
21
20
19
18
17
16
15
14
13
GND
RST
VCC5V
SD_CS
OLED_CS2
OLED_CS1
OLED_CS0
SCK
MISO
MOSI
OLED_DC
GND
BUT_C1
BUT_C2
BUT_C3
SELF_CS
BUT_R1
OLED_RST
PRO_MICRO_C