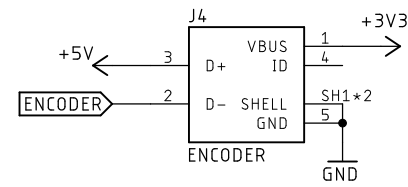
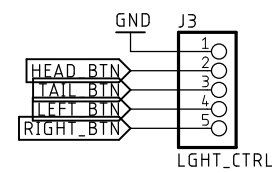
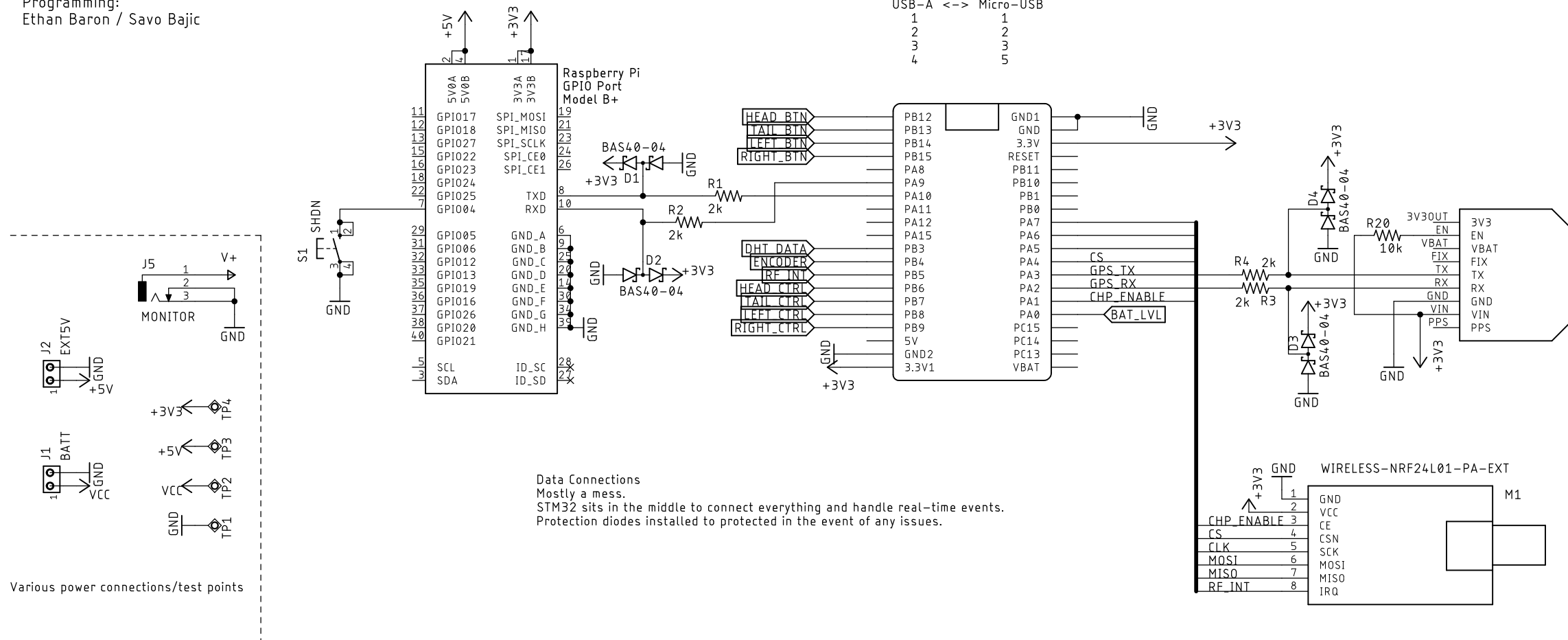
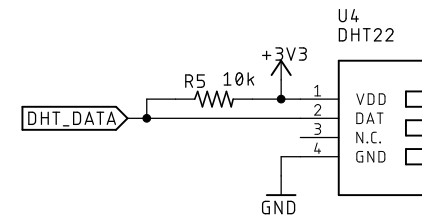


Circuit Design / PCB Layout:  
Catherine Kucaba / Savo Bajic

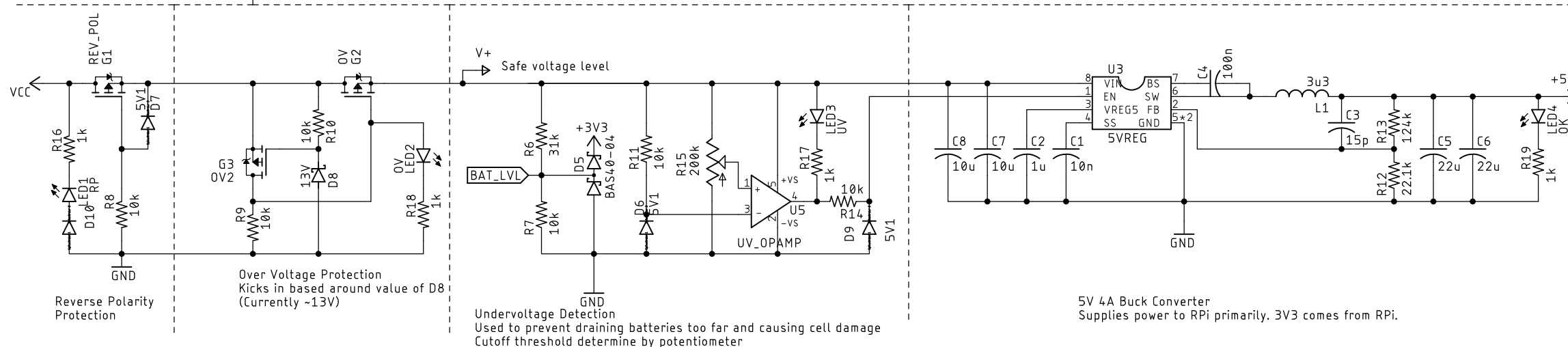
Programming:  
Ethan Baron / Savo Bajic



When connecting USBs,  
specifically USB-A to Micro USB connectors  
USB-A <-> Micro-USB



Data Connections  
Mostly a mess.  
STM32 sits in the middle to connect everything and handle real-time events.  
Protection diodes installed to protected in the event of any issues.



5V 4A Buck Converter  
Supplies power to RPi primarily. 3V3 comes from RPi.

Lighting Lines  
Constant current boost converters.  
Current set by resistors downstream of LEDs,  $I = 0.2/R$ .

