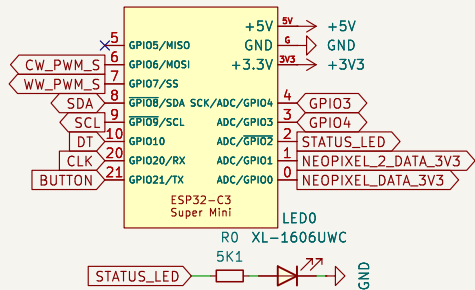
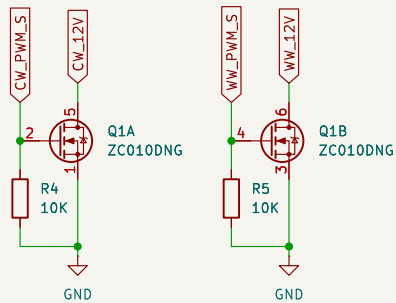


## Microcontroller

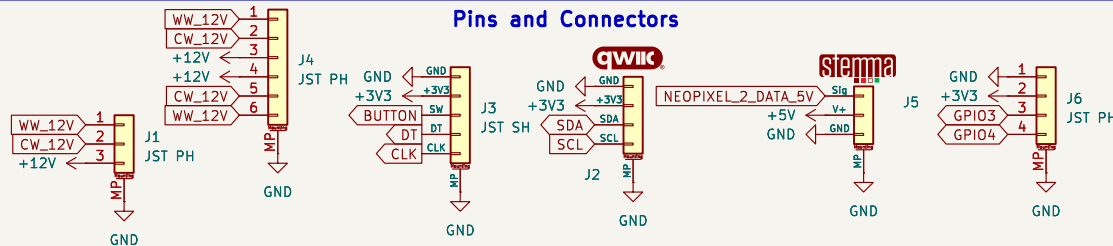
SM1



## Power PWM



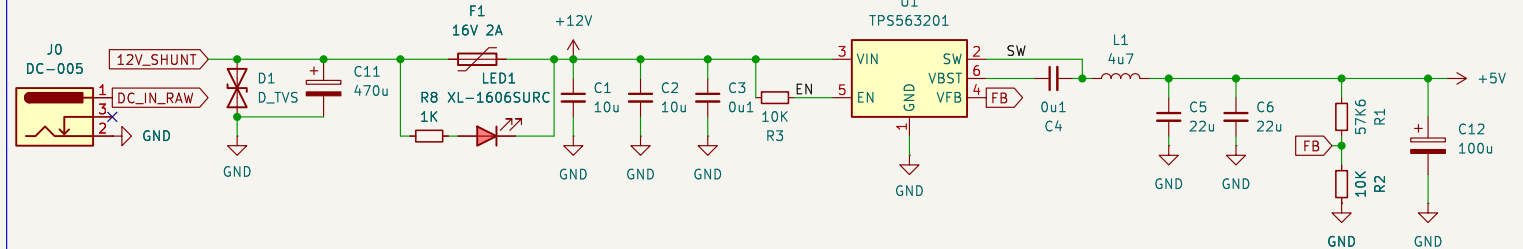
## Pins and Connectors



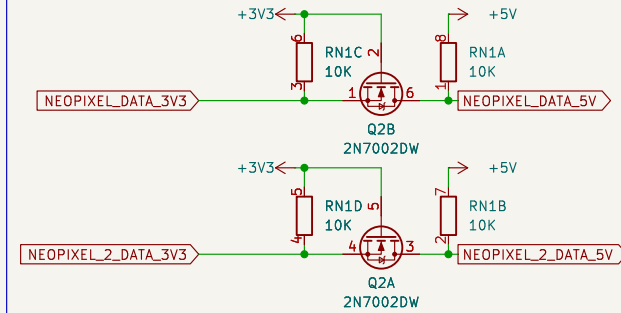
PWR\_FLAG → +12V  
PWR\_FLAG → +5V  
PWR\_FLAG → +3V3  
PWR\_FLAG → GND

## 12V to 5V DC buck converter

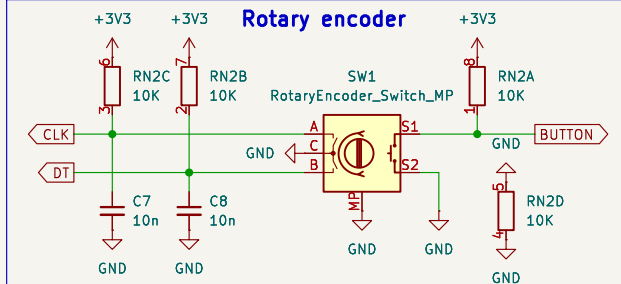
U1  
TPS563201



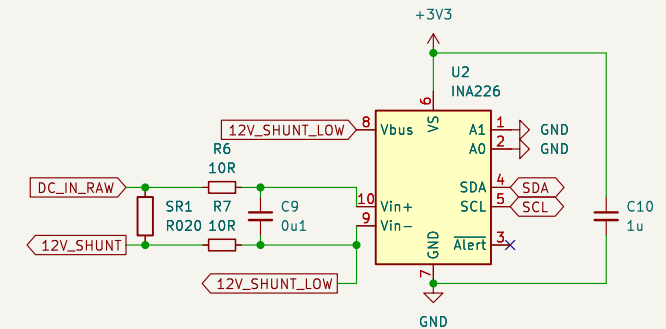
## Logic level translation, filtering



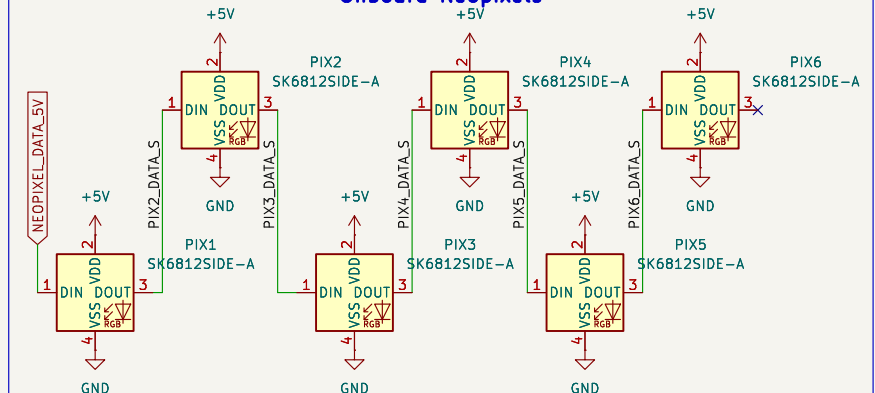
## Rotary encoder



## Power measurement



## Onboard Neopixels



open source  
hardware  
CERN-OHL-P v2

Sheet: /  
File: esp-cwww.kicad\_sch

## Title:

Size: A4  
KiCad E.D.A. 8.0.8

Date:

Rev:

Id: 1/1