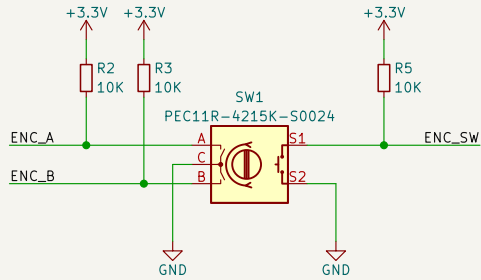
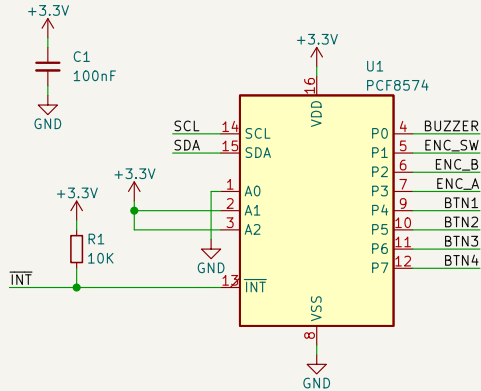


Rotary Encoder

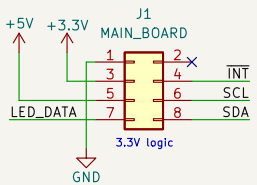


Port Expander

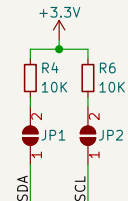


addr = 0x26
max. 100 kHz

Connector



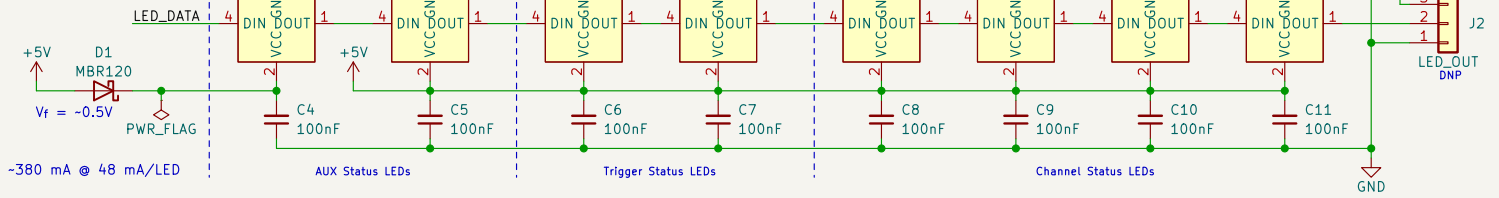
Optional PUs if not used
with the SW32



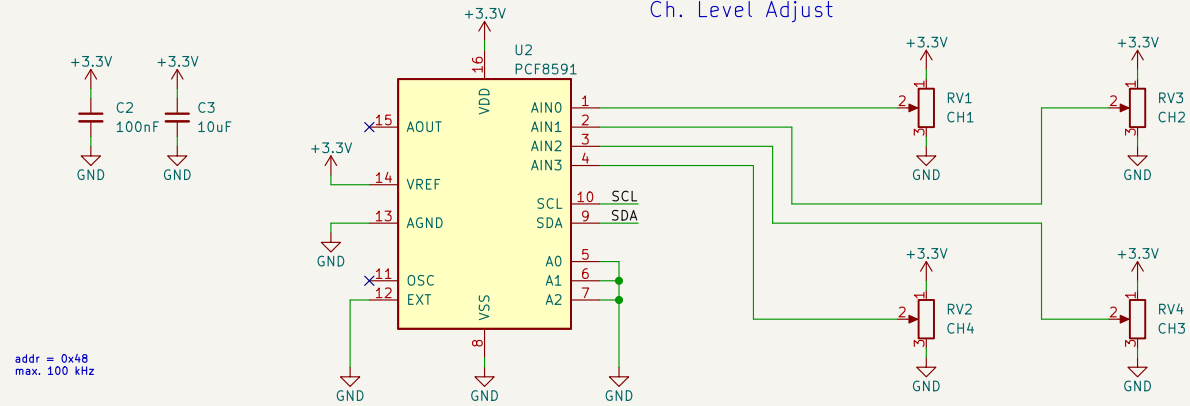
Status LEDs

WS2812D

First LED acts as a 3.3v logic
level shifter
 $V_{IH} = 0.7 \cdot V_{DD}$

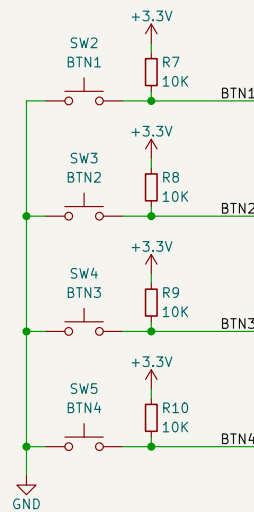


Ch. Level Adjust

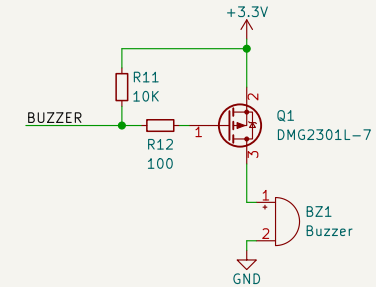


addr = 0x48
max. 100 kHz

Buttons



Buzzer



An I2C front panel designed for the SW32.

Provides the following:

1x rotary encoder, 4x pots, 4x push buttons, 1x buzzer, 8x RGB LEDs
Buttons and encoder are software debounced.

saawsm

Sheet: /

File: SW3F1 - Front Panel.kicad_sch

Title: SW3F1 - Front Panel

Size: A4 Date: 2022-11-11

KiCad E.D.A. kicad (6.0.6)

Rev: 1

Id: 1/1