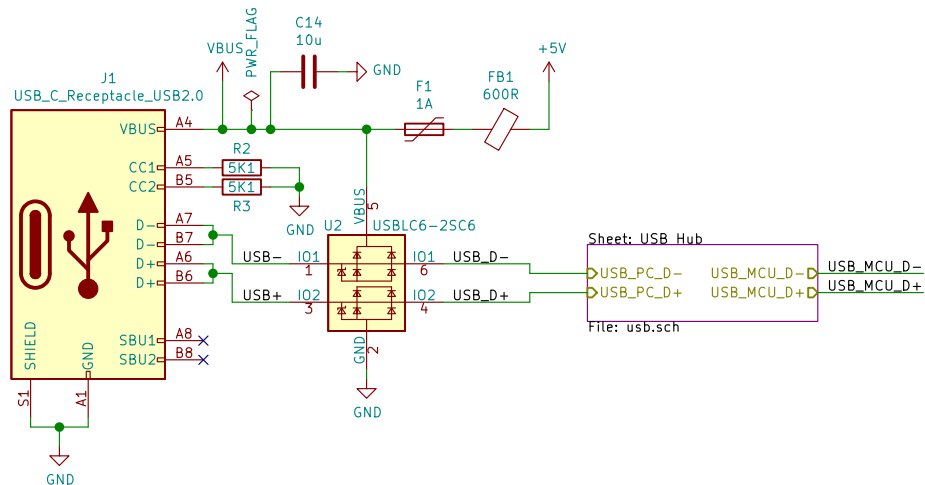
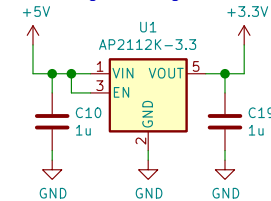


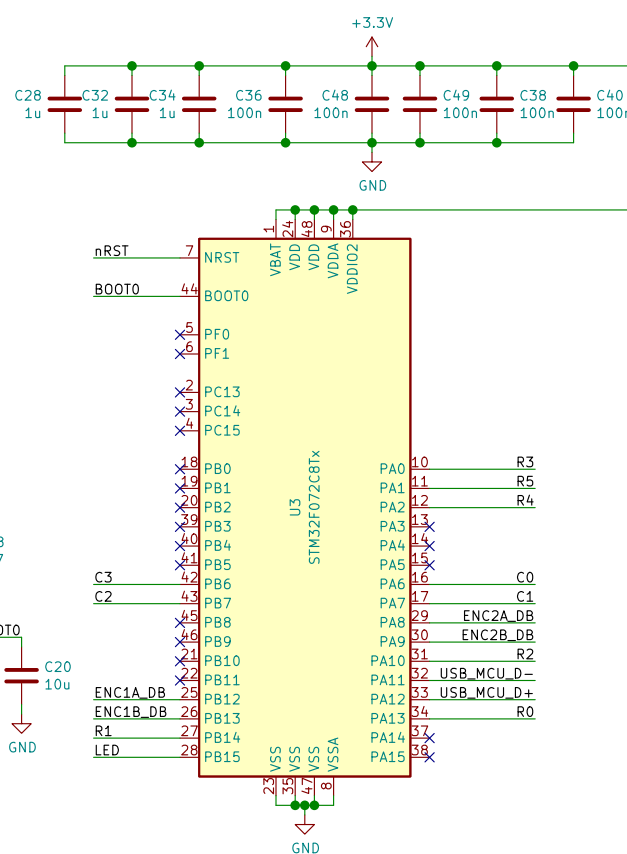
Upstream Connector



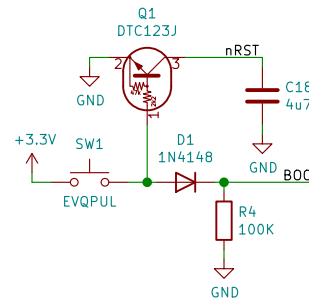
Voltage Regulator



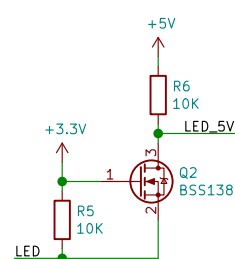
Microcontroller



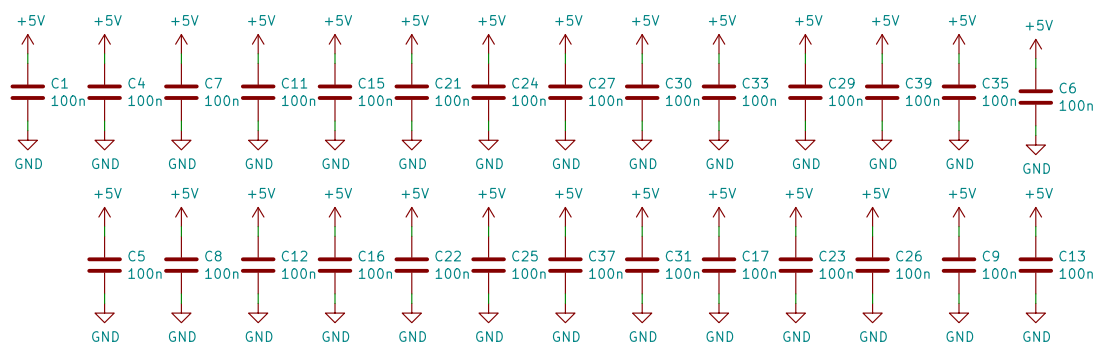
Reset



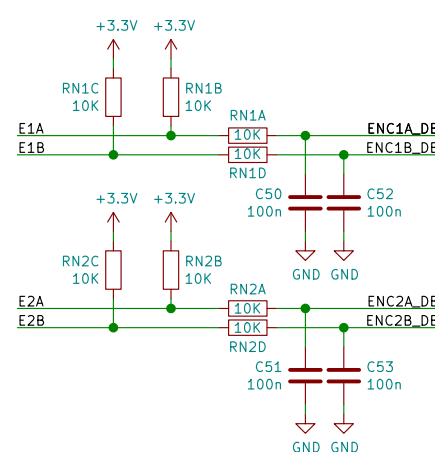
3v3 -> 5V0



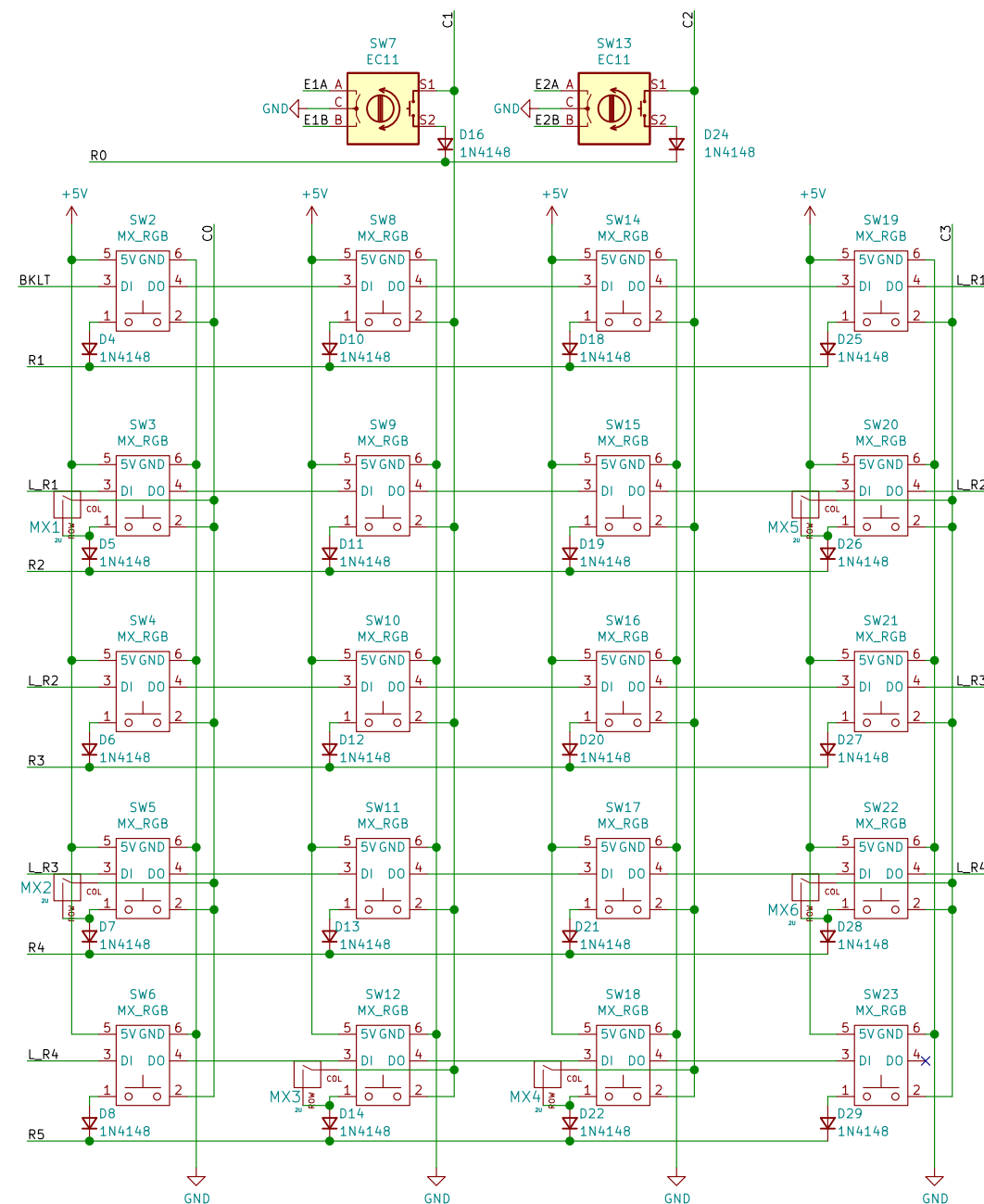
LED Decoupling



Debounce



Matrix



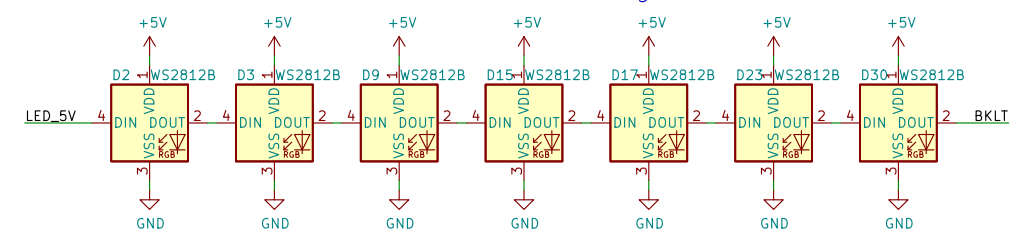
SK6812 Mini E's are part of the key switch footprint, so add placeholders for the LEDs themselves.

These will generate the correct XY positions for the LEDs when placed upon the MX footprint.

It also ensures they show up as a line item on the BOM.

- | | |
|------------------|------------------|
| D31 SK6812MINI-E | D42 SK6812MINI-E |
| D33 SK6812MINI-E | D43 SK6812MINI-E |
| D34 SK6812MINI-E | D44 SK6812MINI-E |
| D35 SK6812MINI-E | D45 SK6812MINI-E |
| D36 SK6812MINI-E | D46 SK6812MINI-E |
| D37 SK6812MINI-E | D47 SK6812MINI-E |
| D38 SK6812MINI-E | D48 SK6812MINI-E |
| D39 SK6812MINI-E | D49 SK6812MINI-E |
| D40 SK6812MINI-E | D50 SK6812MINI-E |
| D41 SK6812MINI-E | D51 SK6812MINI-E |

Underglow

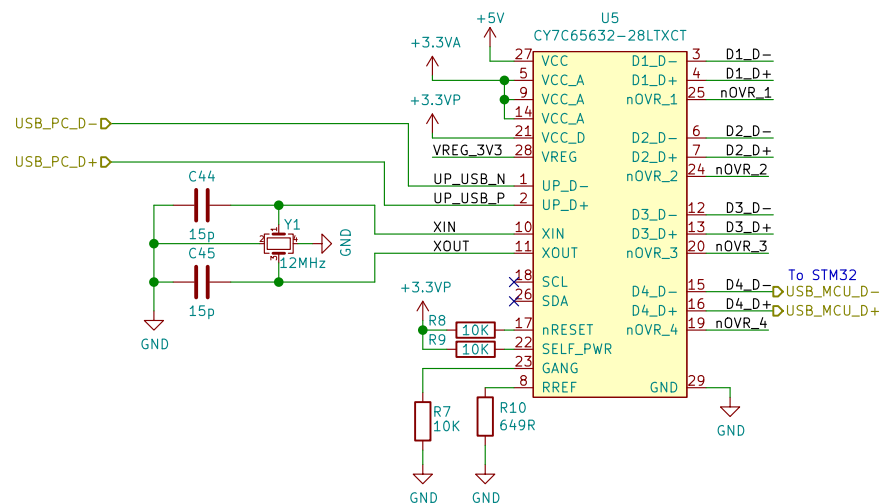


Logos / Markings

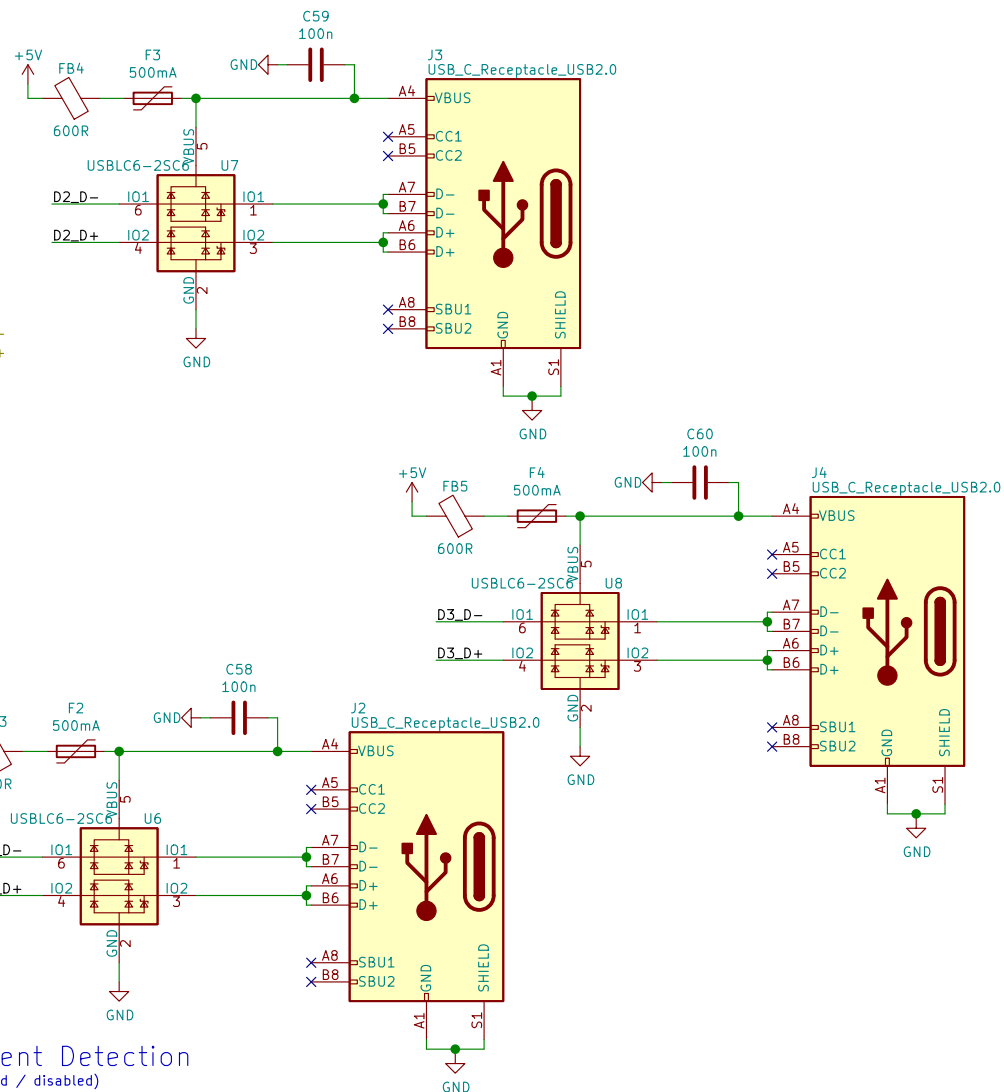
- | | |
|--------------------|----|
| LOG05 OSHW | H1 |
| LOG01 Josh-Details | H3 |
| LOG02 Board-Title | H2 |
| LOG03 Josh-Logo | M3 |
| | H3 |
| | M3 |
| | H4 |
| | M3 |

Josh Johnson		
Sheet: /		
File: Hub20.sch		
Title: Hub20		
Size: A3	Date: 2020-09-14	Rev: 1.0
KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu16.04.1		
Id: 1/2		

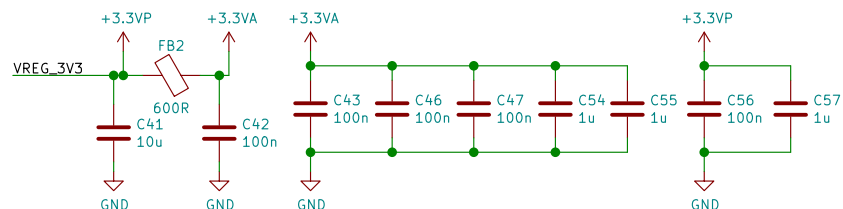
USB Hub



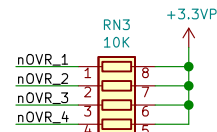
Downstream Ports



USB Hub Power



Over Current Detection (Not used / disabled)



Josh Johnson

Sheet: /USB Hub/
File: usb.sch

Title: USB Hub

Size: A4 Date: 2019-11-30
KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu16.04.1

Rev: 0.1
Id: 2/2