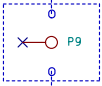


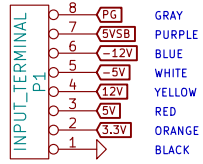
On/Off switch

Solder GREEN line directly to part



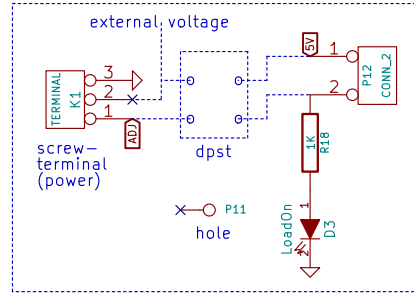
Solder BLACK line directly to part

Terminal connector

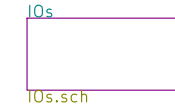


Screw PSU cables here!

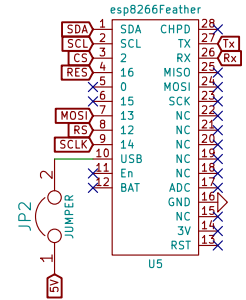
load switch



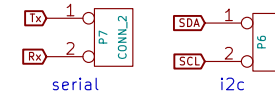
Input / Output



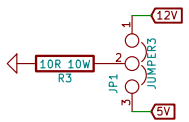
MCU



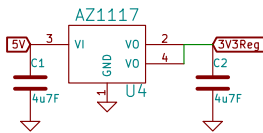
connectors



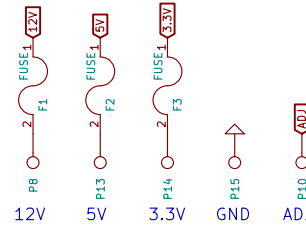
Load Resistor



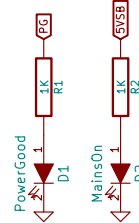
power regulation



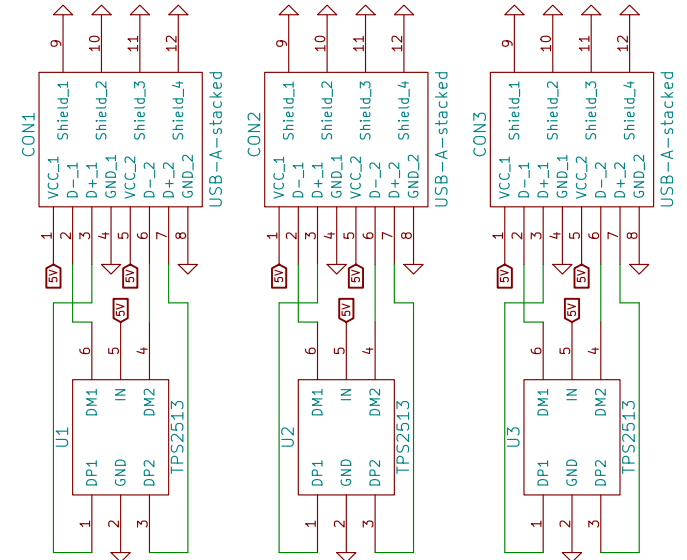
Binding posts



Power indicator

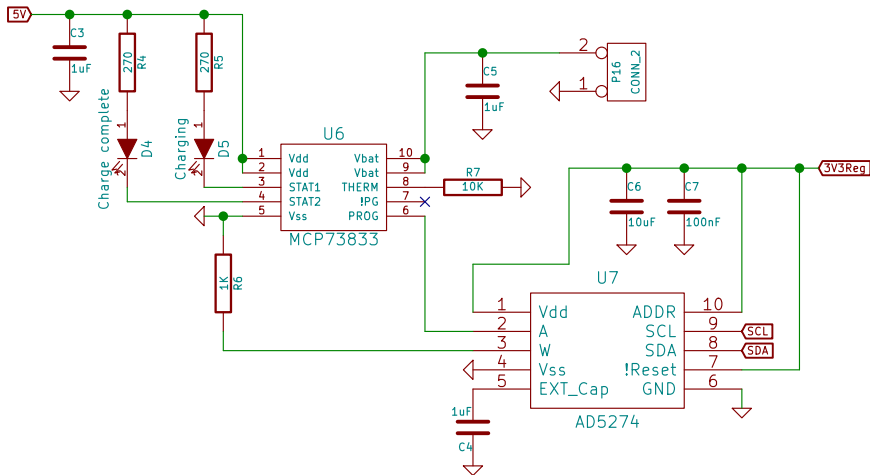


USB charging

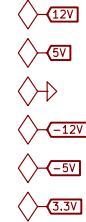


TPS2513 optional for faster charging

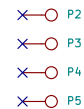
LiPo charging 1s



avoid power warnings



mounting holes



- breakout voltages: 3.3V, 5V, 12V
- LiPo charger 1s
- USB charger (fast charging)

Sheet: /
File: frontpanel.sch

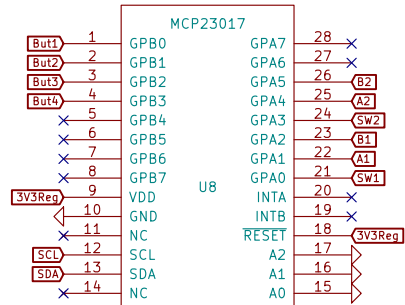
Title: Lab bench PSU : frontpanel

Size: A4 Date: 2016-07-07
KiCad E.D.A. kicad (2015-06-26 BZR 5832)-product

Rev:
Id: 1/2

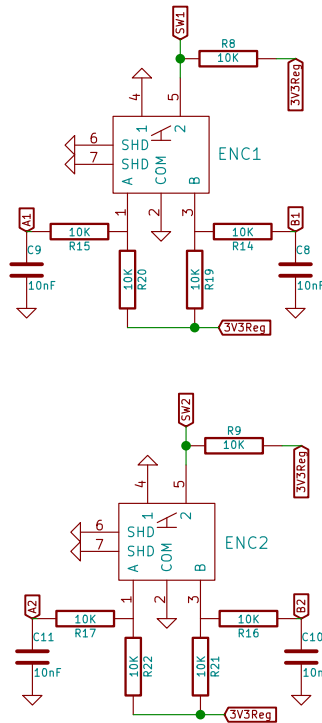
Input

GPIO expander

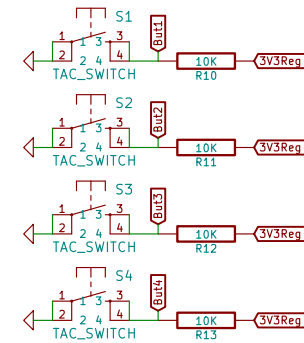


i2c slave address: 0x20

rotary encoder

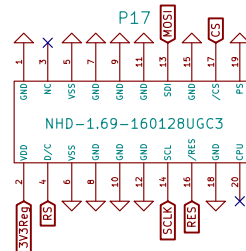


buttons (activeLow)



Output

OLED display



- breakout voltages: 3.3V, 5V, 12V
- LiPo charger 1s
- USB charger (fast charging)

Sheet: /IOs/
File: IOs.sch

Title: Lab bench PSU : frontpanel

Size: A4 Date: 2016-07-07
KiCad E.D.A. kicad (2015-06-26 BZR 5832)-product

Rev:
Id: 2/2