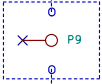


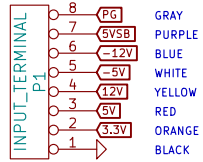
## On/Off switch

Solder GREEN line directly to part



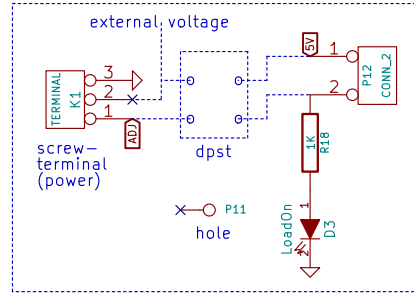
Solder BLACK line directly to part

## Terminal connector

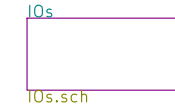


Screw PSU cables here!

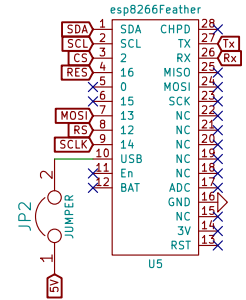
## load switch



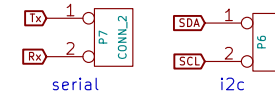
## Input / Output



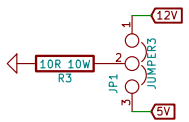
## MCU



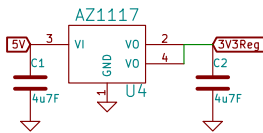
## connectors



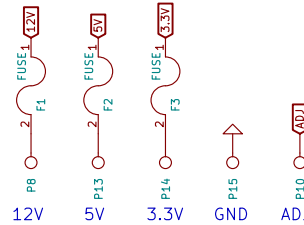
## Load Resistor



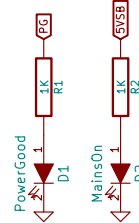
## power regulation



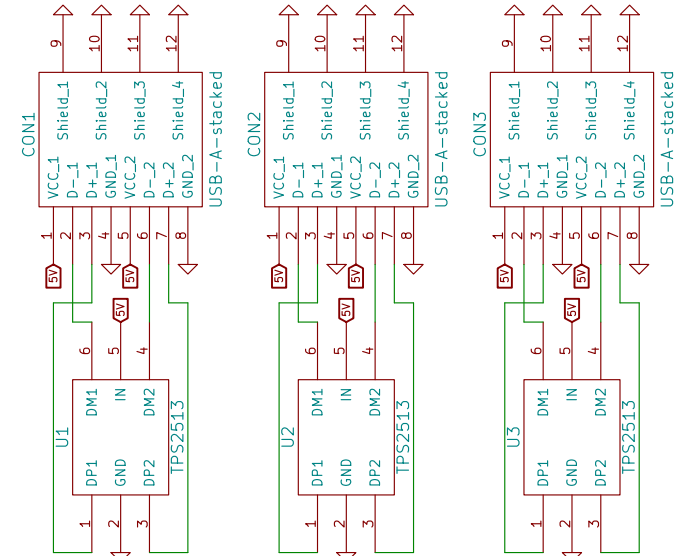
## Binding posts



## Power indicator

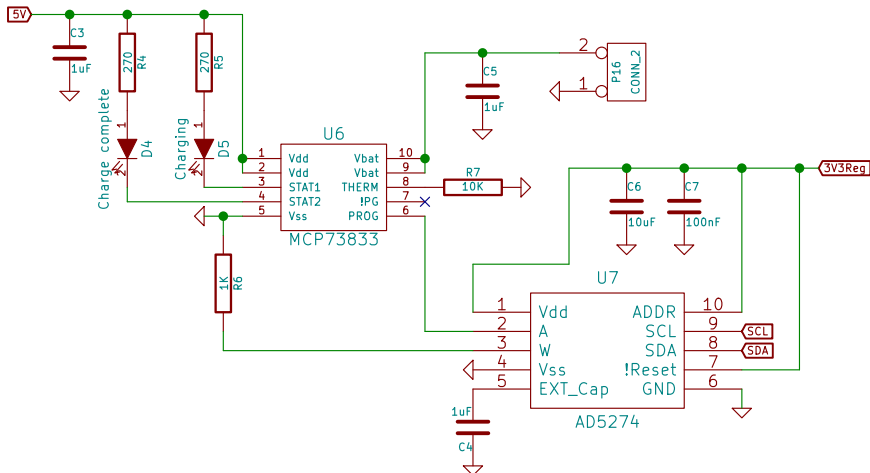


## USB charging

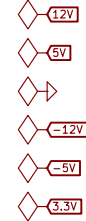


TPS2513 optional for faster charging

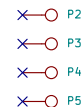
## LiPo charging 1s



## avoid power warnings



## mounting holes



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

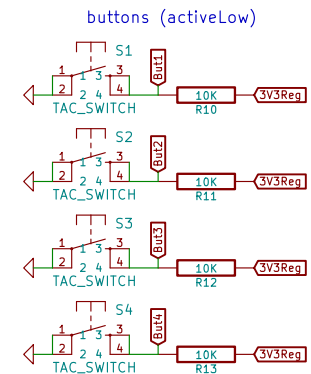
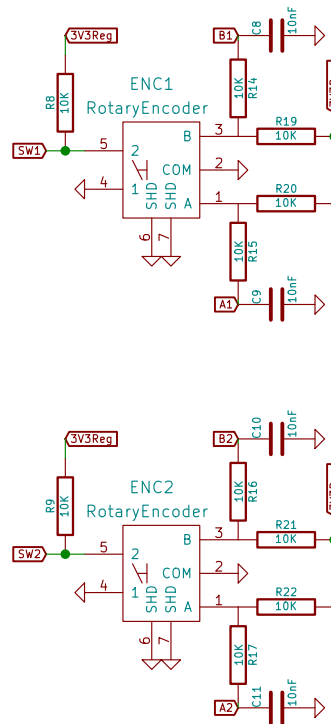
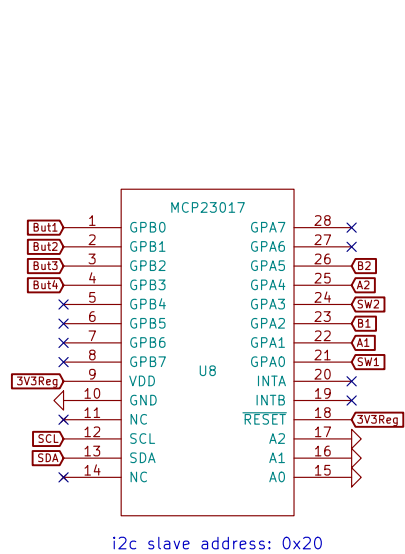
Sheet: /  
File: frontpanel.sch

**Title: Lab bench PSU : frontpanel**

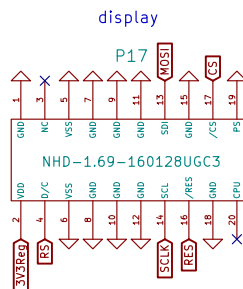
Size: A4 Date: 2016-07-07  
KiCad E.D.A. kicad (2015-06-26 BZR 5832)-product

Rev:  
Id: 1/2

Input



Output



- 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