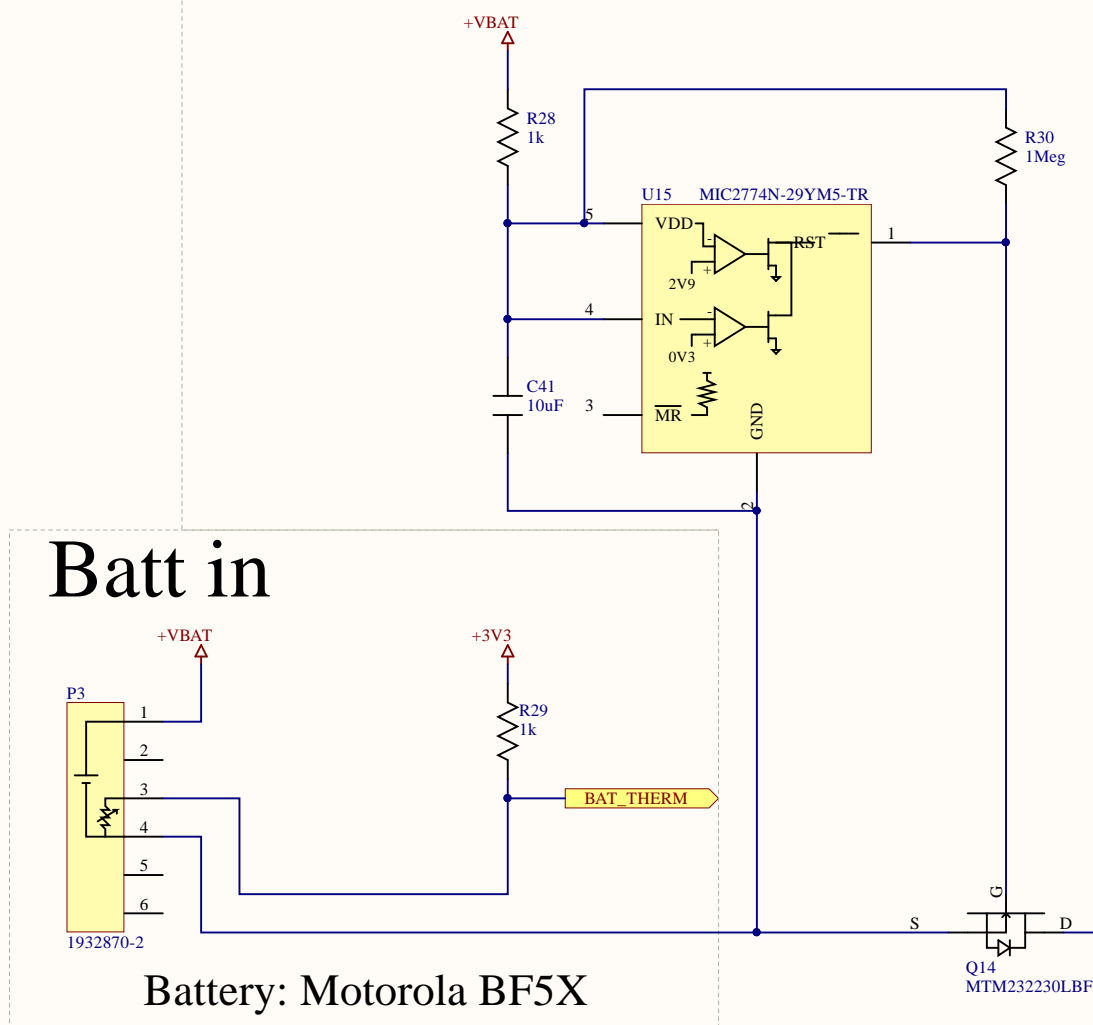


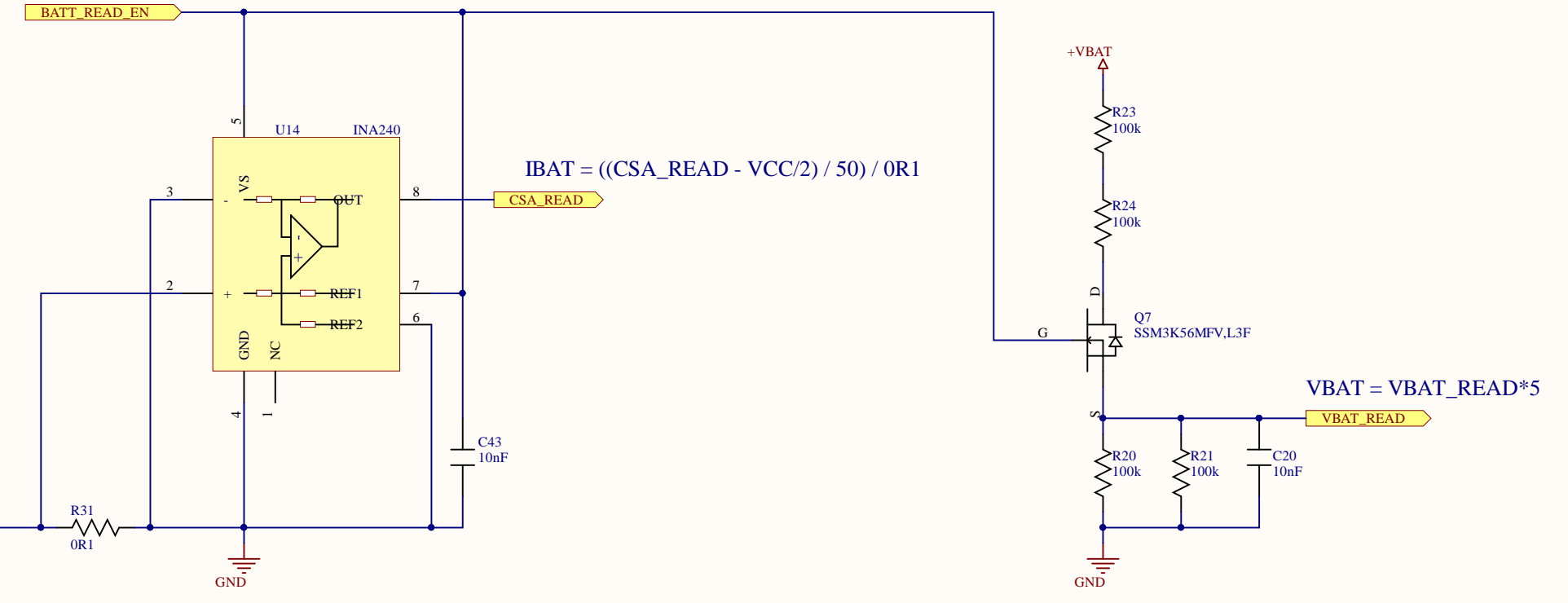
**For OpenIMU info, news and updates:**  
<https://github.com/introlab/OpenIMU-MiniLogger>

# 2,9V UVLO

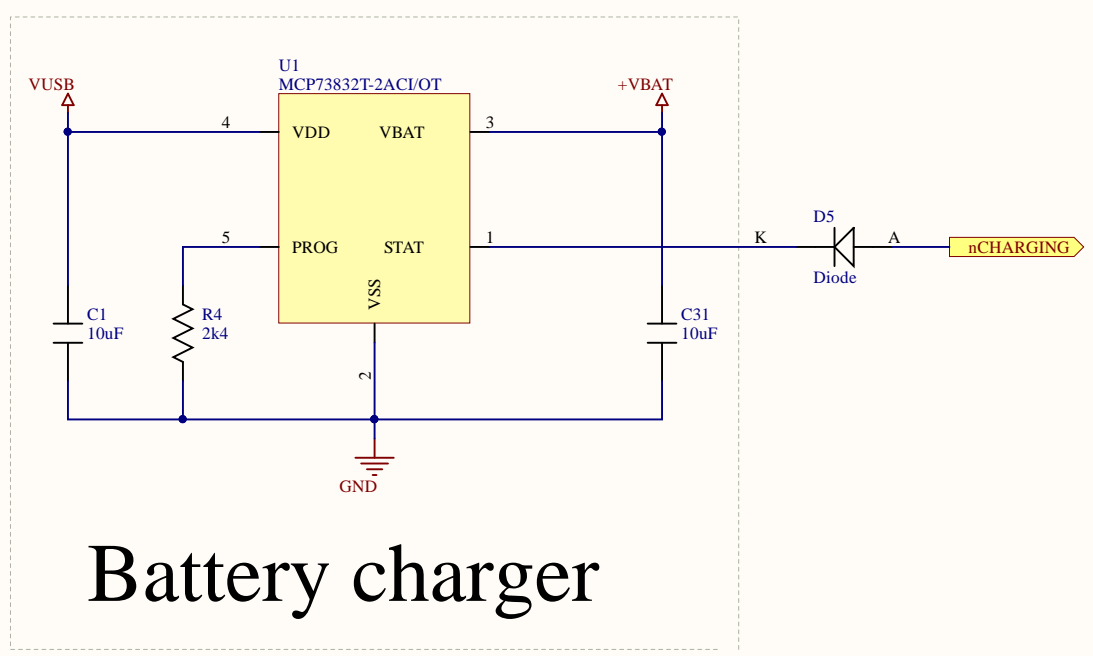


# Battery V&I measurement

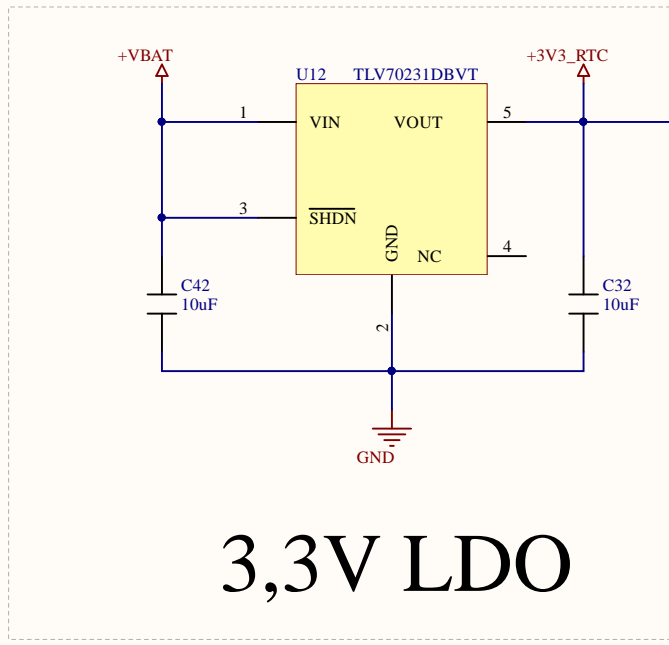
0V: off; 3V3: on



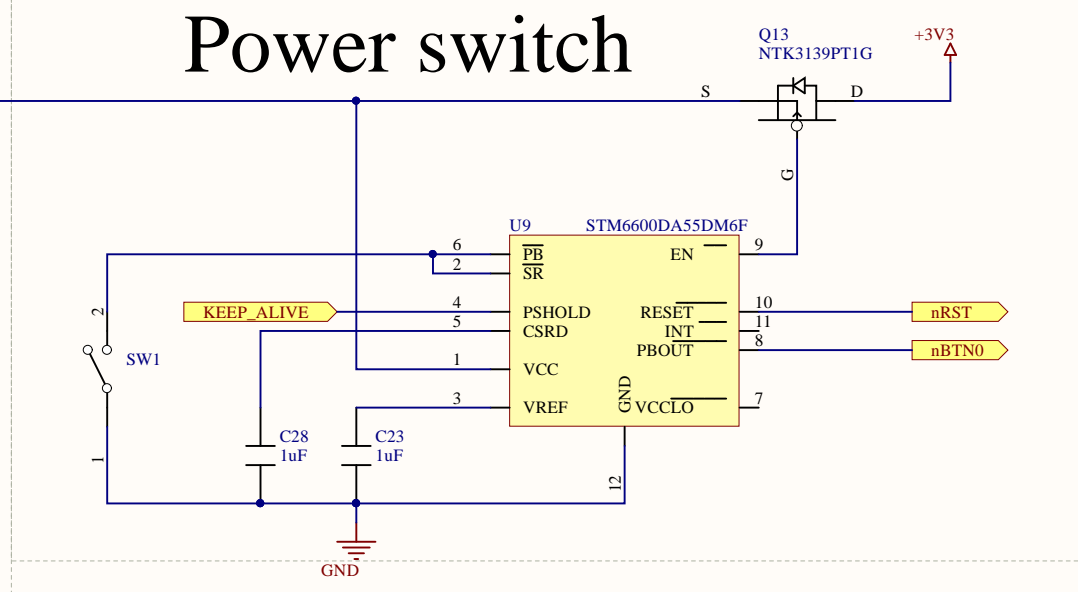
# Battery charger



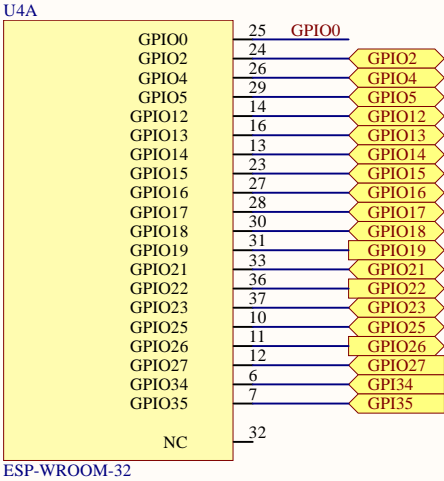
# 3,3V LDO



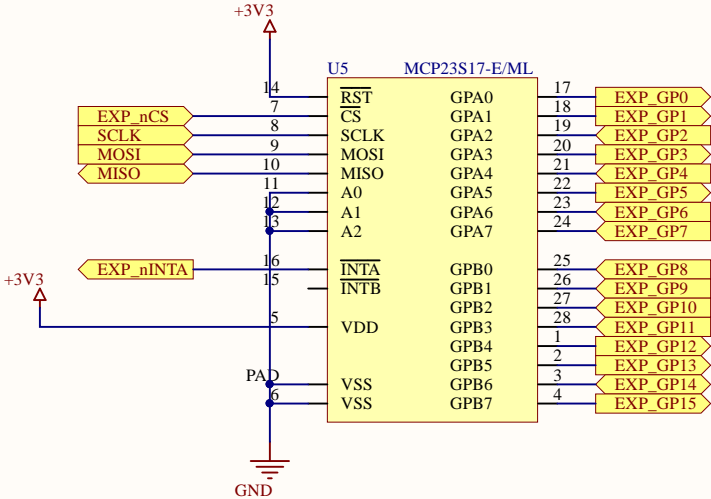
# Power switch



# ESP32: GPIO

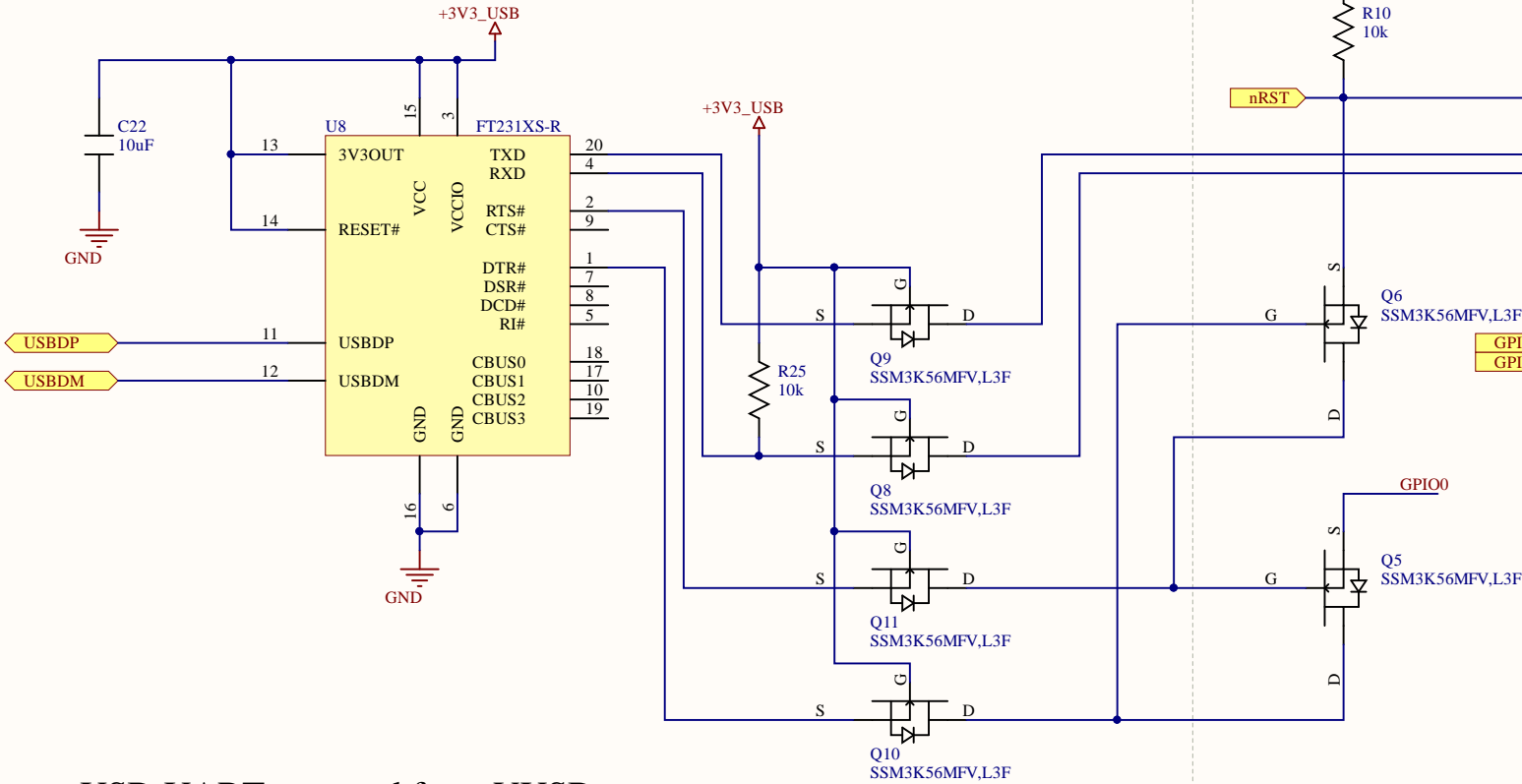


# IO expanders



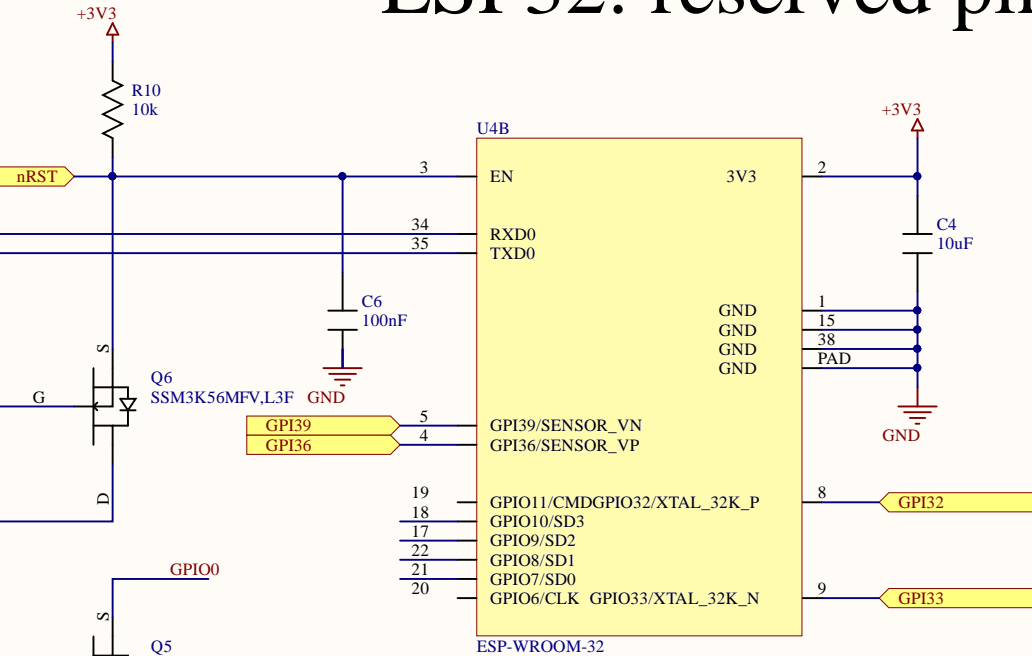
Use Open-drain config for interrupt

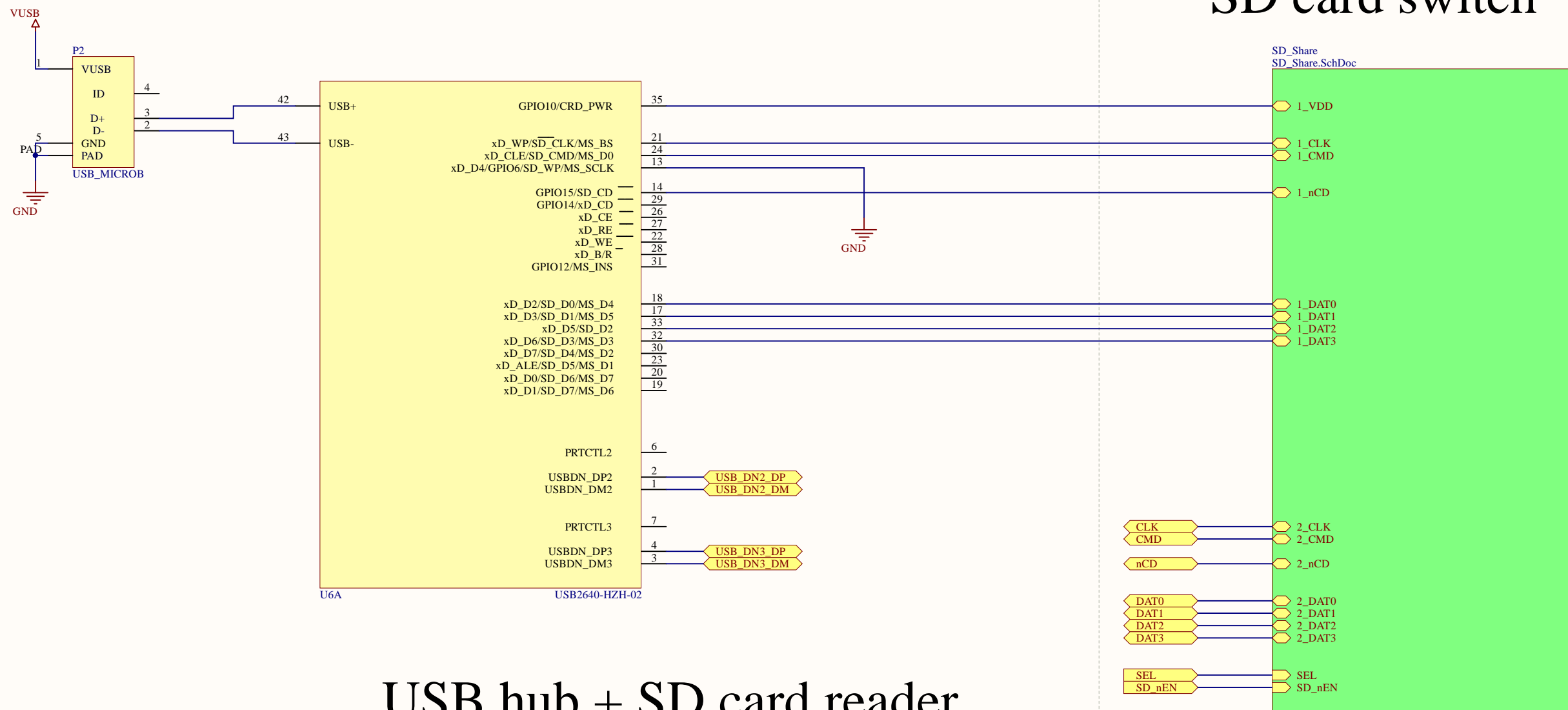
# FTDI



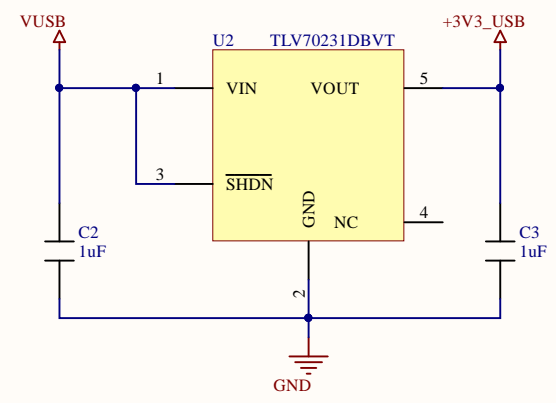
USB-UART powered from VUSB  
And disconnect RTS, DTR, RXD and TXD when VUSB not present

# ESP32: reserved pins

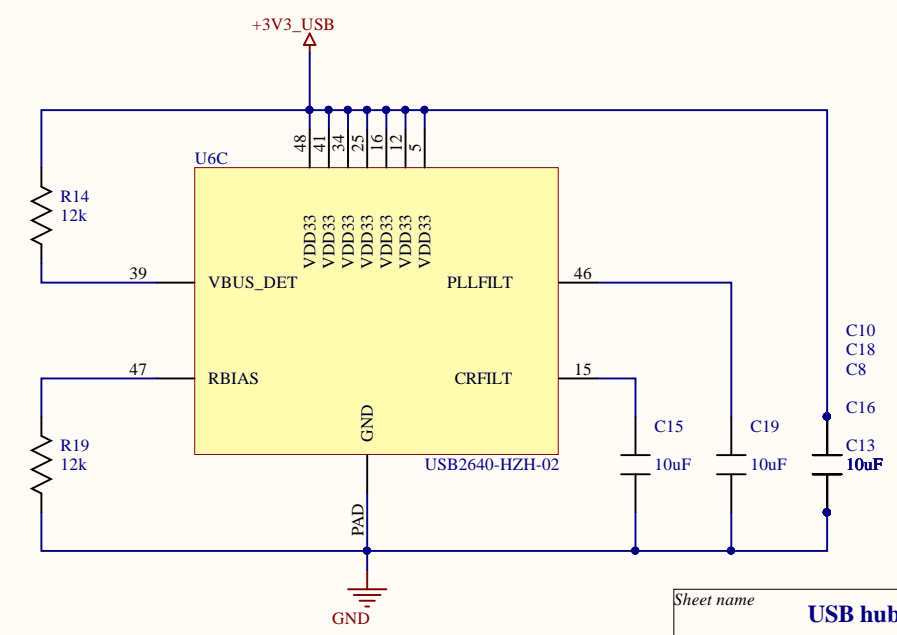
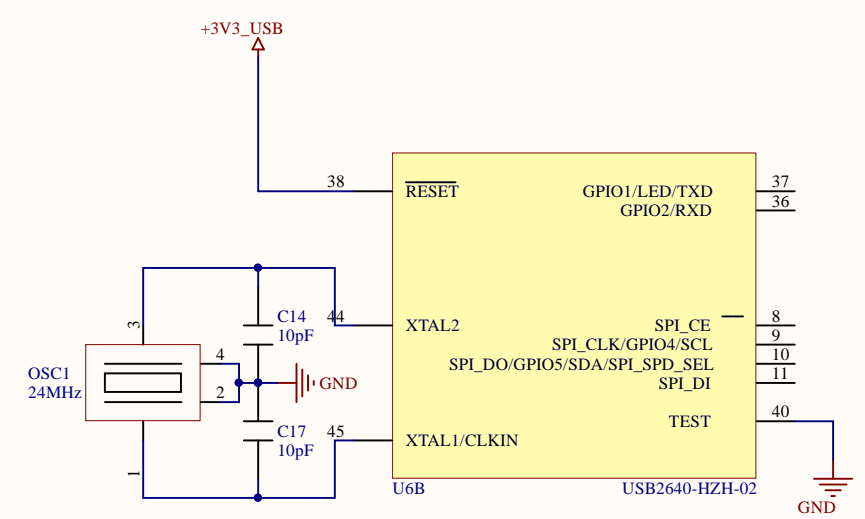




## USB hub + SD card reader

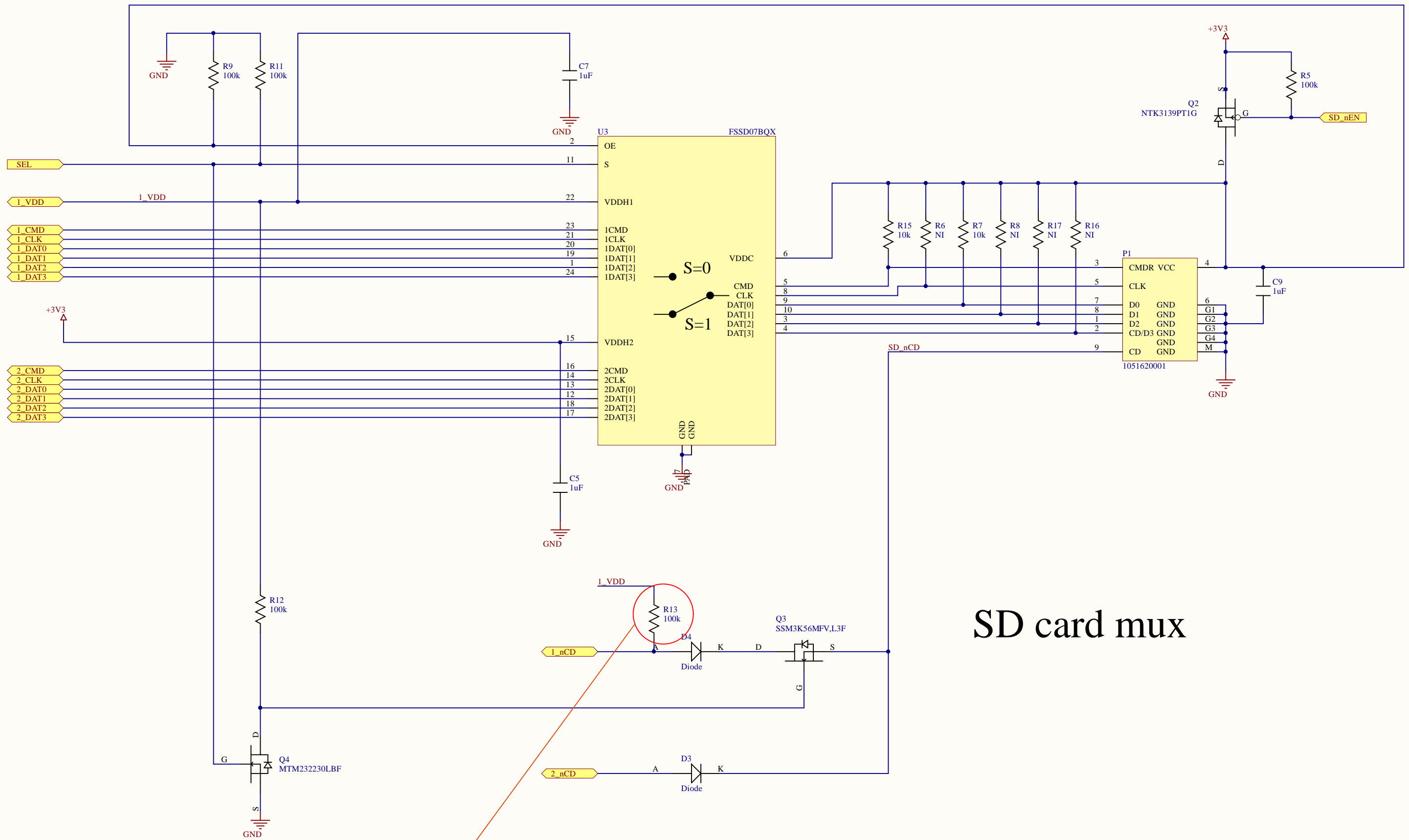


## 3,3V\_USB LDO



Sheet name	USB hub
Project name	OpenIMU
Contact	V-P.Rheaume@USherbrooke.ca
Rev	1.0
Date	2018-06-04
Sheet	4
of	8





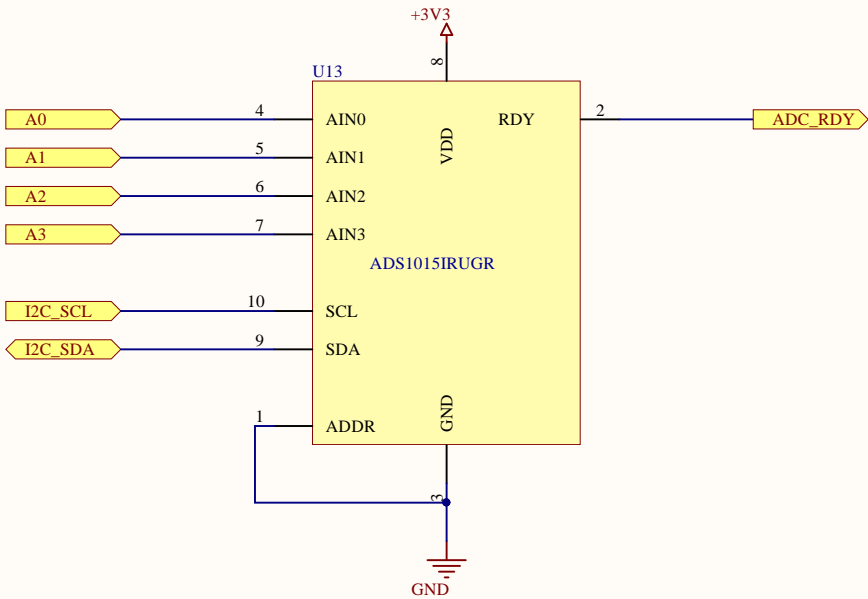
SD card mux

2018-05-28: R13 should pull-up to +3V3\_USB instead of 1\_VDD

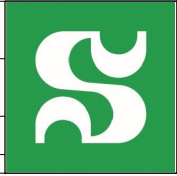
Sheet name	SD Card Sharing
Project name	OpenIMU
Contact	V.P.Rheume@USherbrooke.ca
Rev	1.0
Date	2018-06-04
Sheet	5
of	8

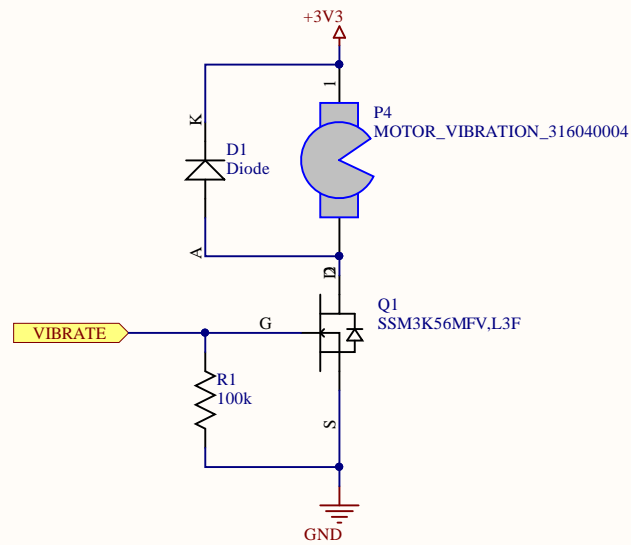


# ADC

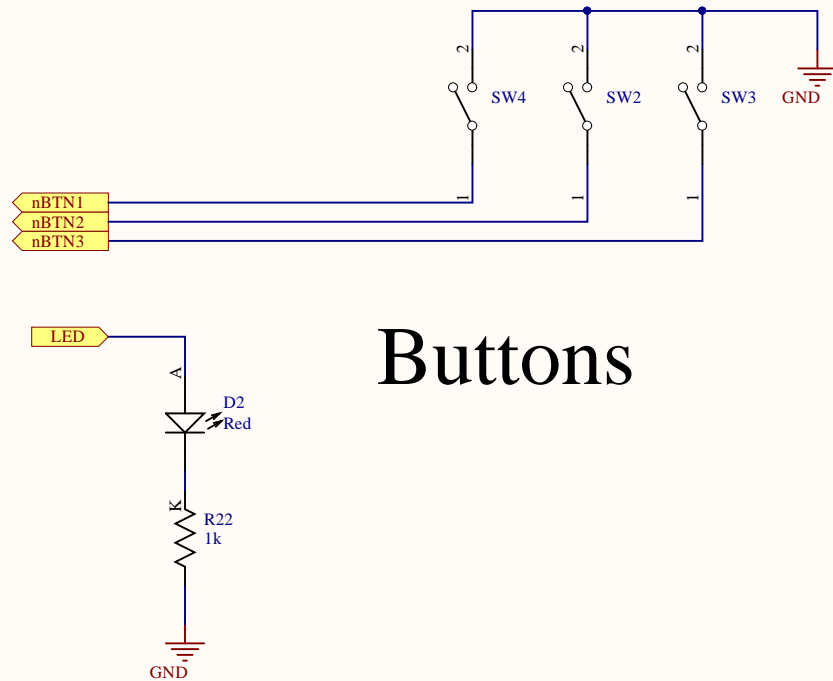


Sheet name	ADC
Project name	OpenIMU
Contact	V-P.Rheaume@USherbrooke.ca
Rev	1.0
Date	2018-06-04
Sheet	6
of	8

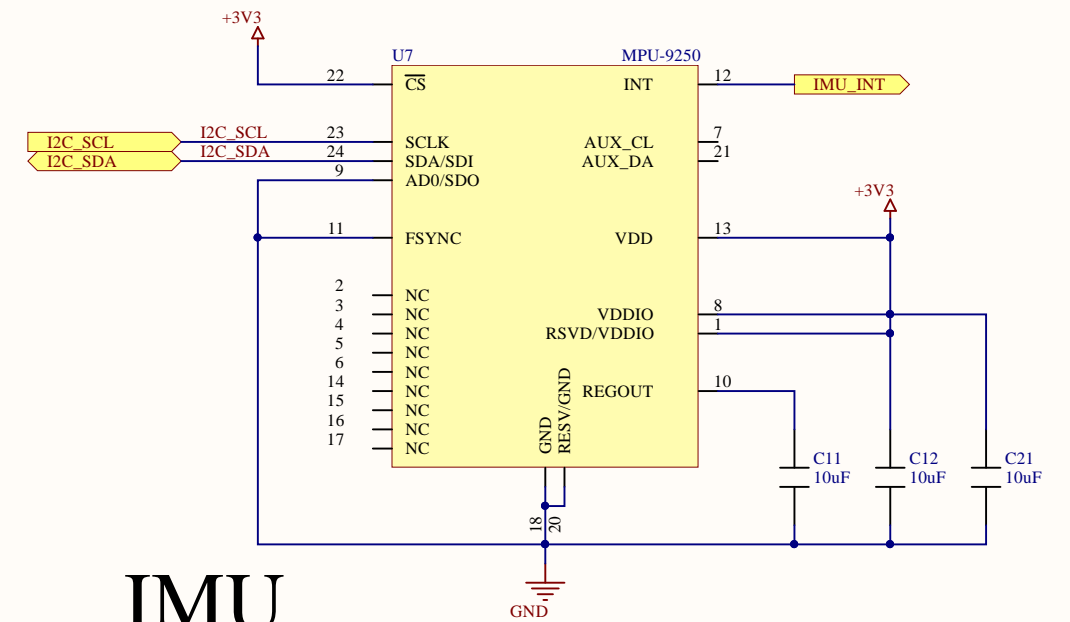




Vibration motor

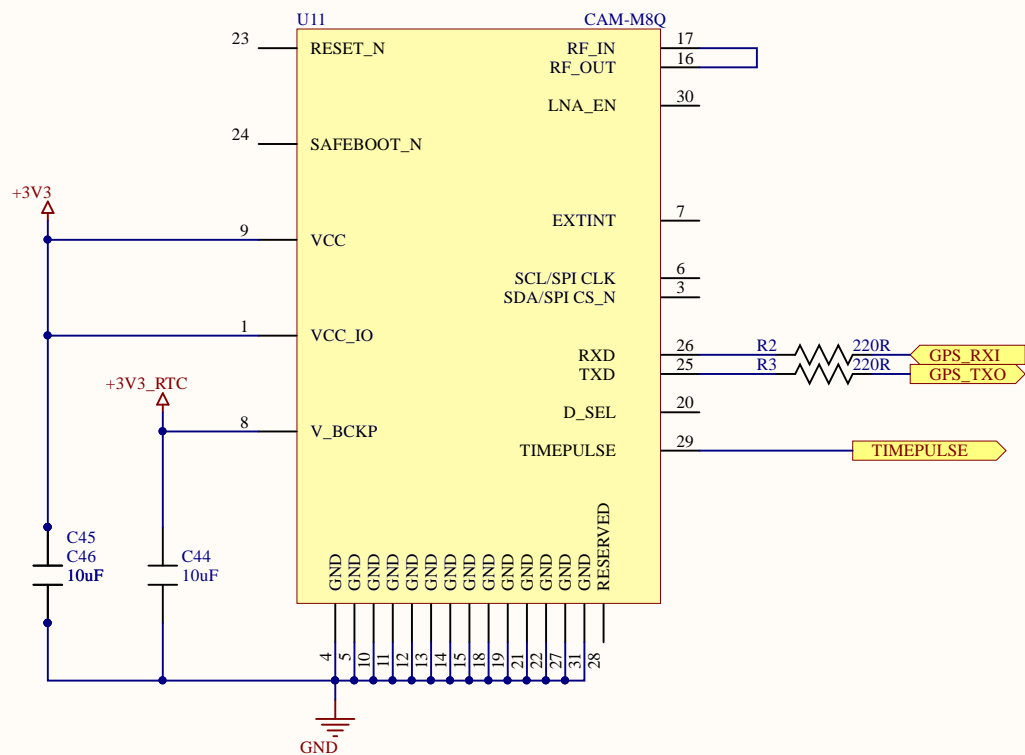


Buttons

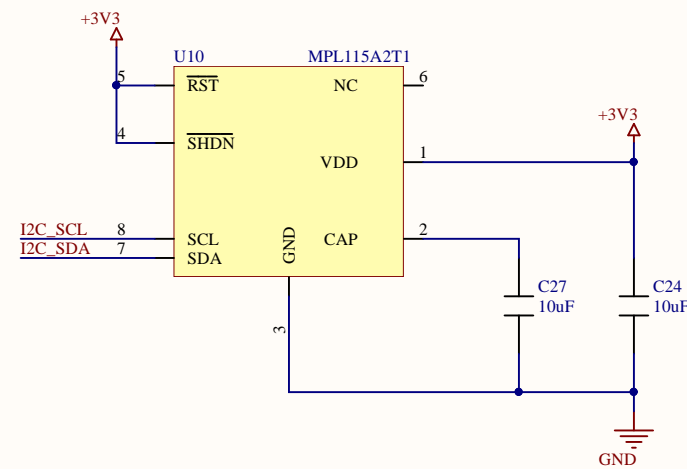


IMU

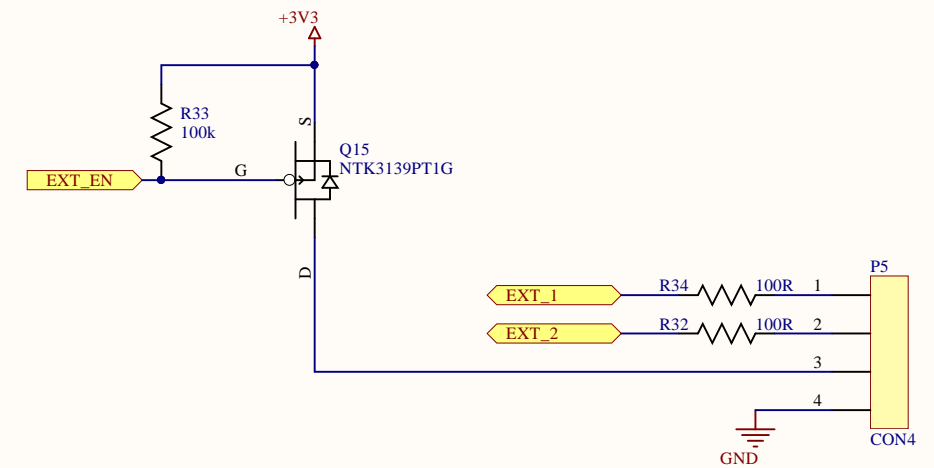
GPS



Pressure sensor



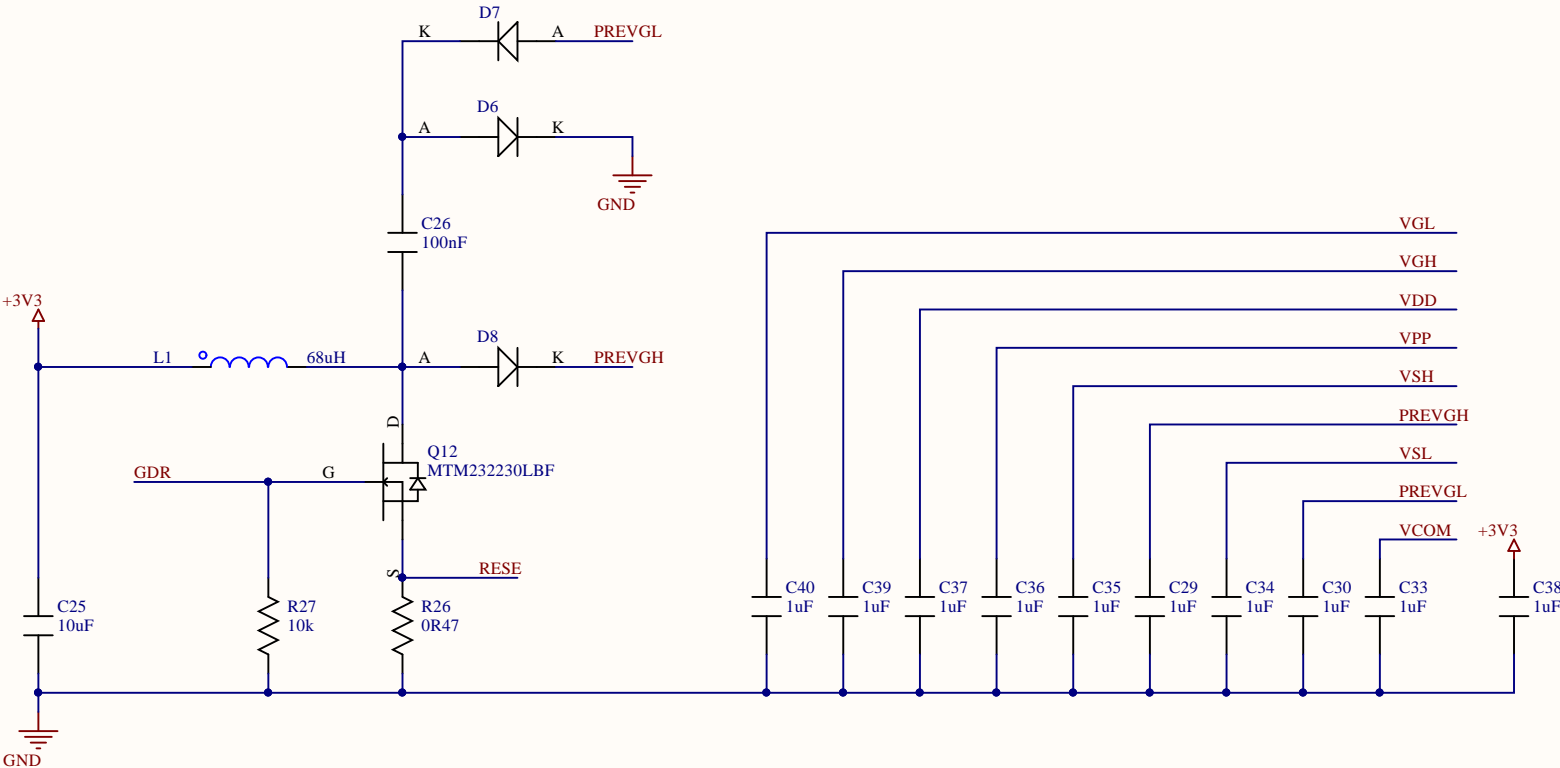
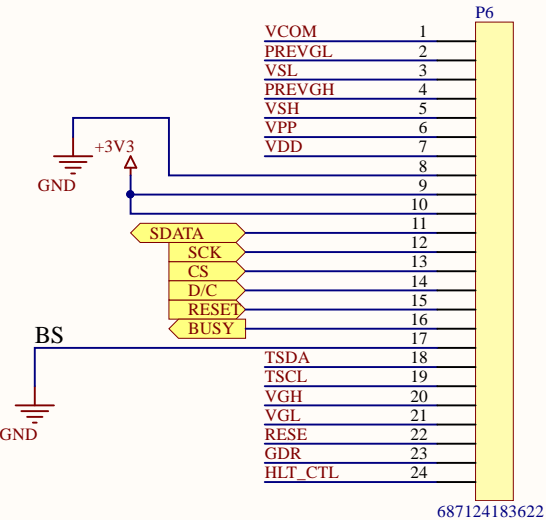
Expansion (I2C...)



Grove Connector



BS signal LOW = 4-wire SPI



Ecran: [https://www.waveshare.com/wiki/File:2.7inch\\_e-Paper\\_HAT\\_Schematic.pdf](https://www.waveshare.com/wiki/File:2.7inch_e-Paper_HAT_Schematic.pdf)  
Note: display connector pin assignment is contrary to that of display datasheet, because connector flips and connects to bottom of PCB

