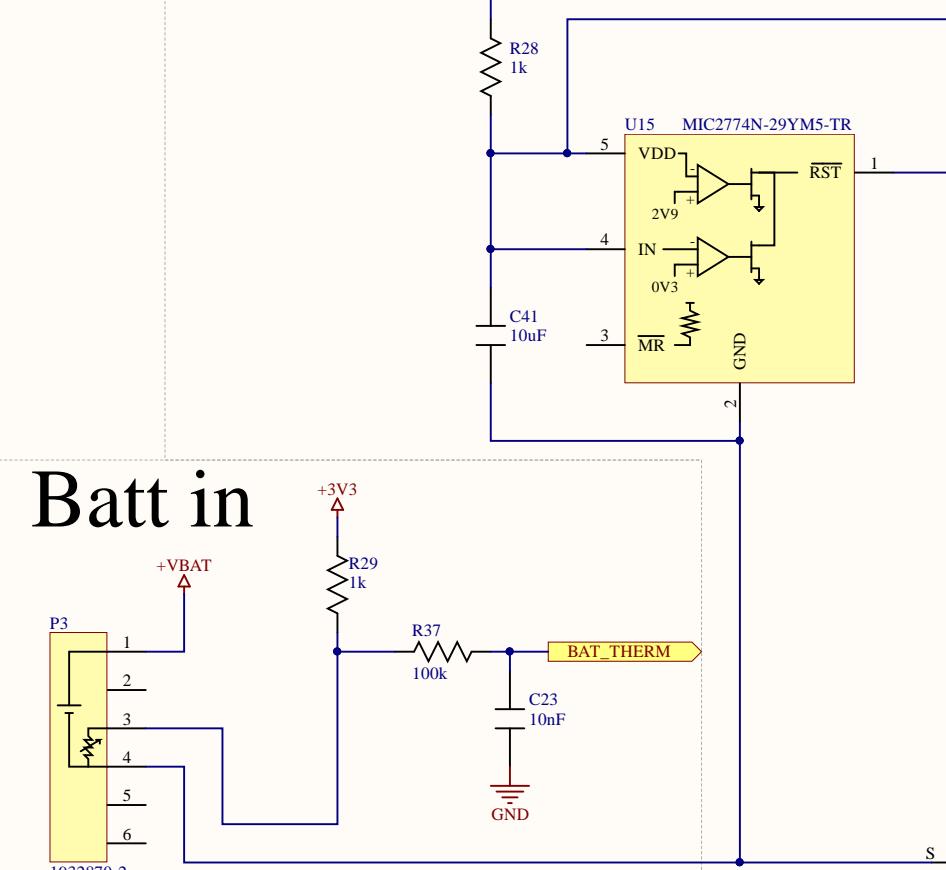
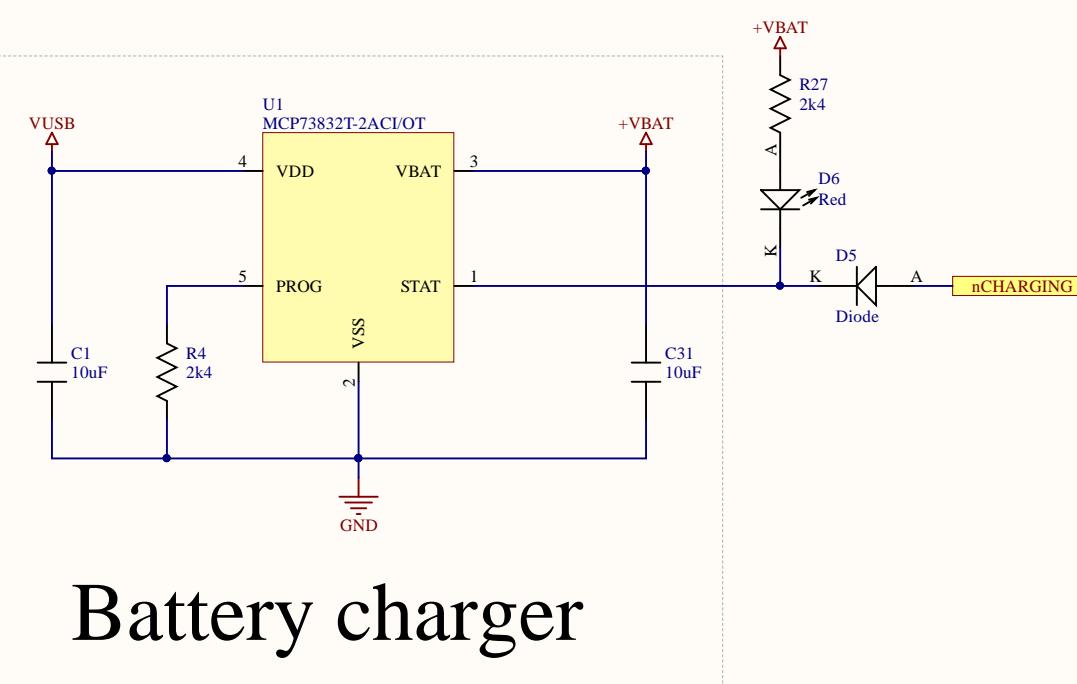
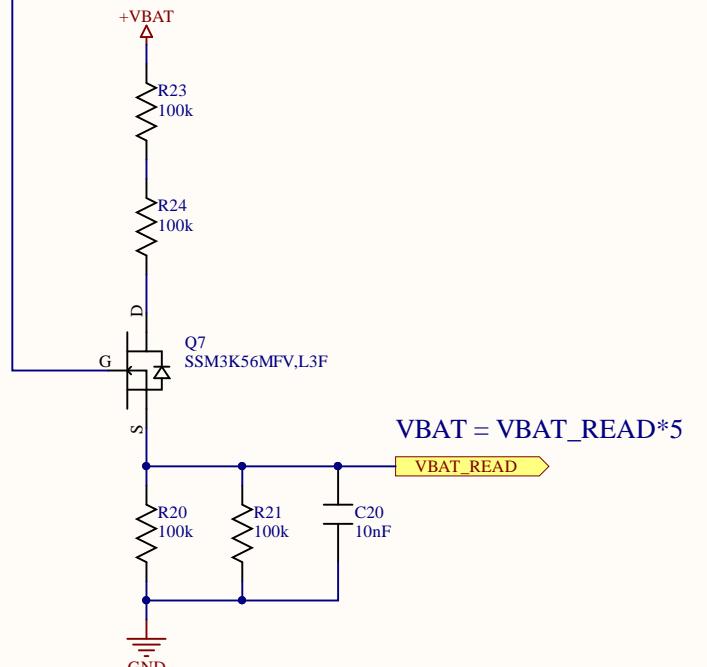
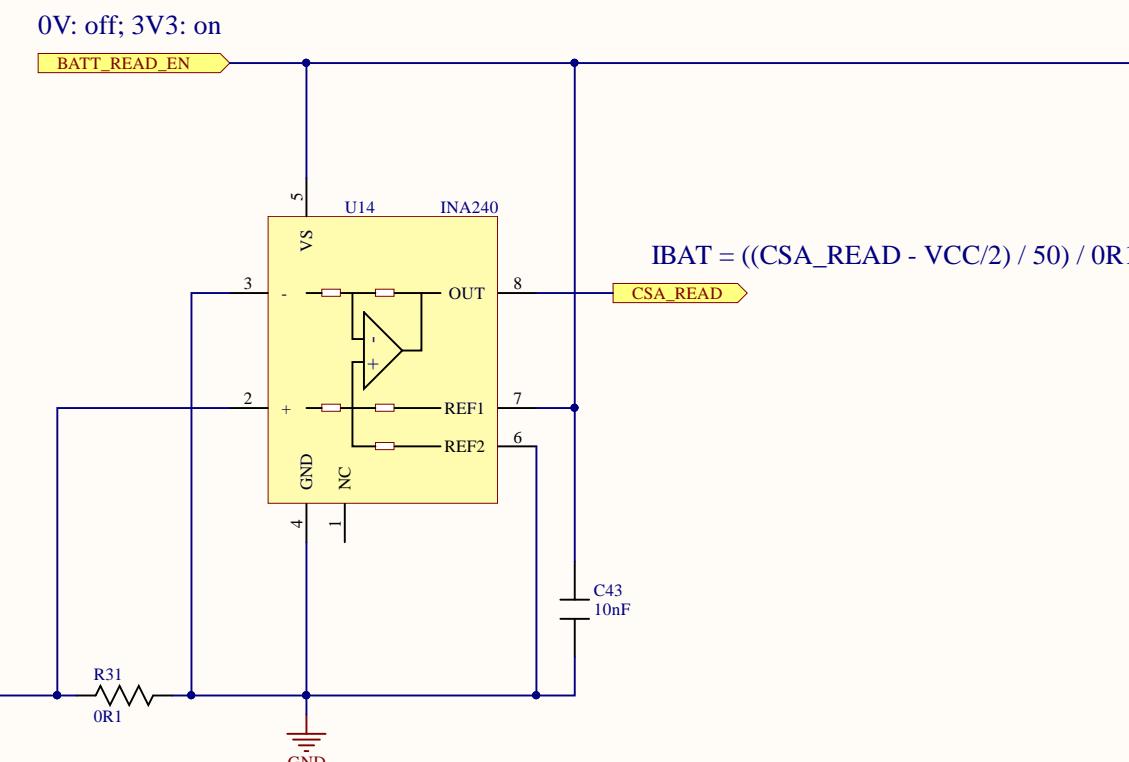


For OpenIMU info, news and updates:
<https://github.com/introlab/OpenIMU-MiniLogger>

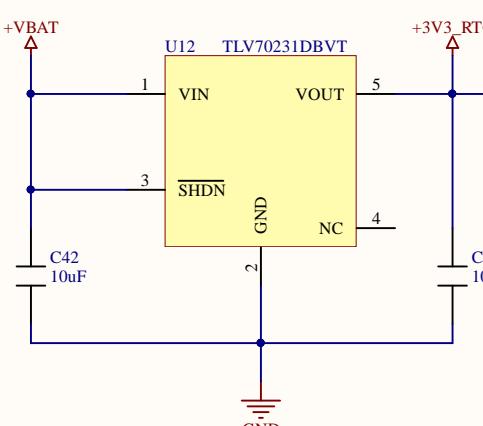
2,9V UVLO



Battery V&I measurement



Power switch



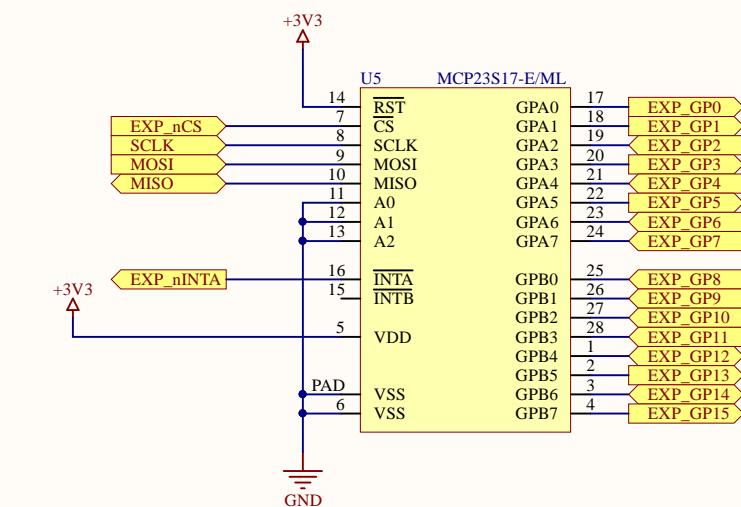
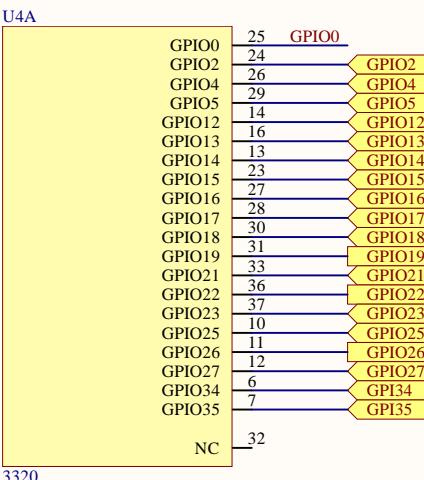
3,3V LDO

Sheet name	Battery management
Project name	OpenIMU-MiniLogger
Contact	V.P.Rheaume@USherbrooke.ca
Rev	1.1
Date	2019-09-18
Sheet	2
of	8



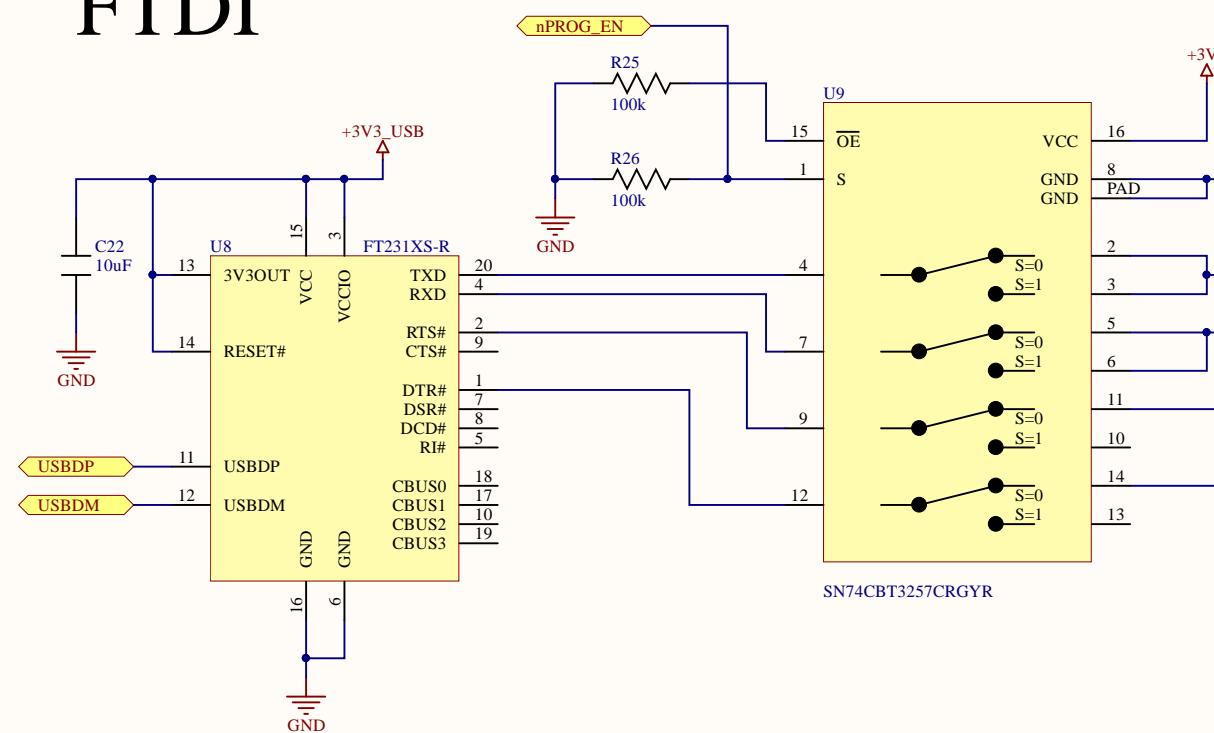
ESP32: GPIO

IO expanders



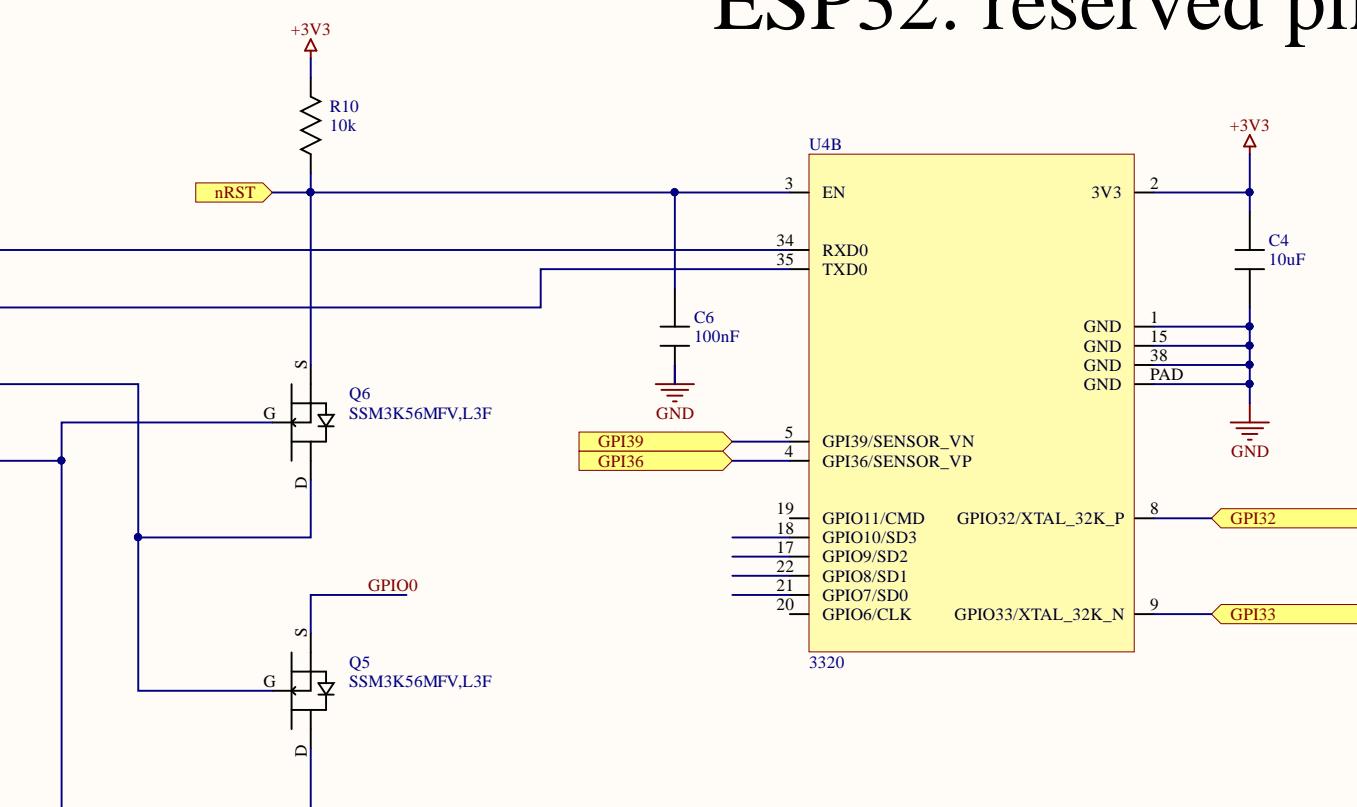
Use Open-drain config for interrupt

FTDI



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

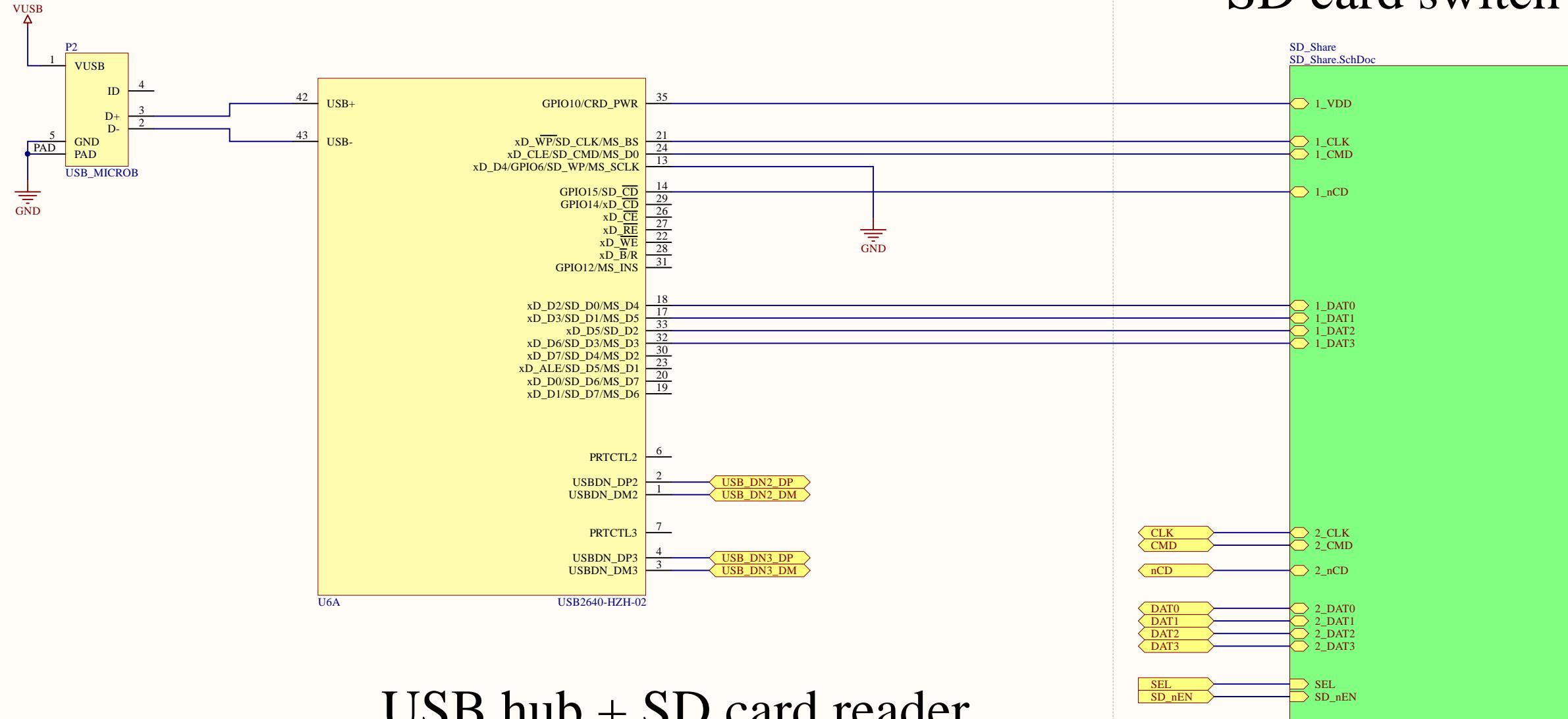
ESP32: reserved pins



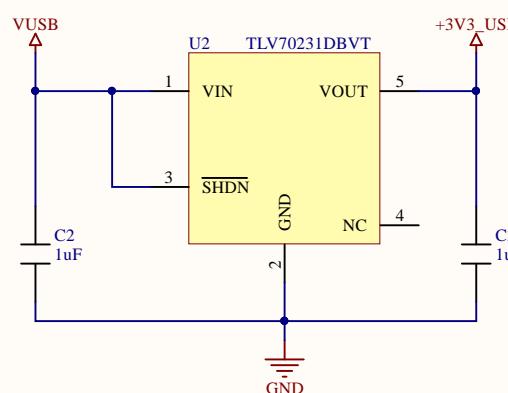
Sheet name	Microcontroller
Project name	OpenIMU-MiniLogger
Contact	V.P.Rheaume@USherbrooke.ca
Rev	1.1
Date	2019-09-18
Sheet	3
of	8



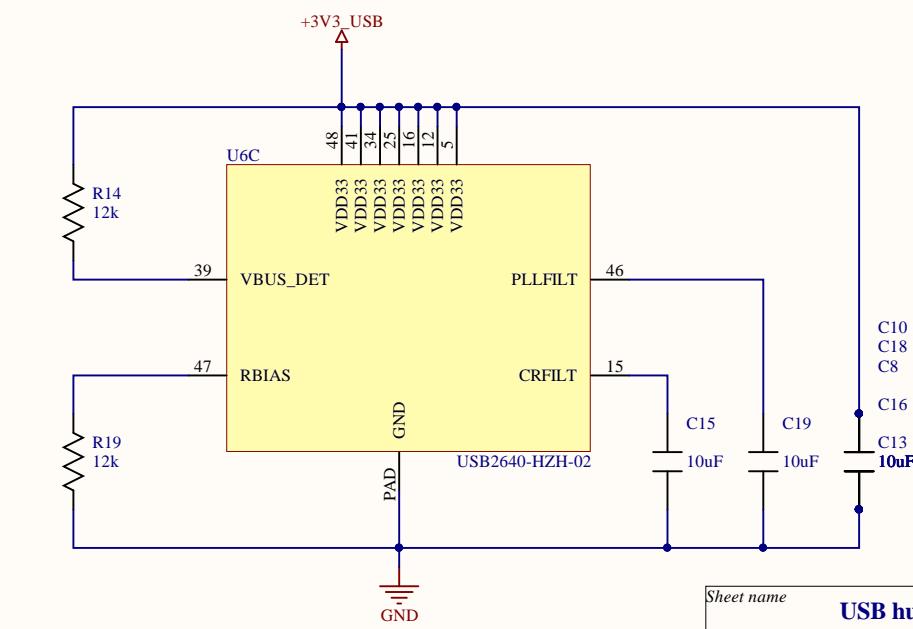
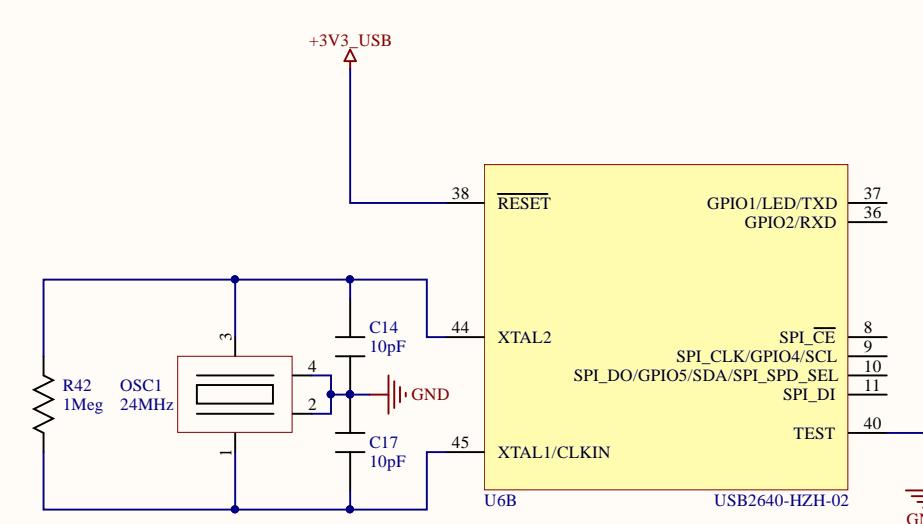
SD card switch



USB hub + SD card reader

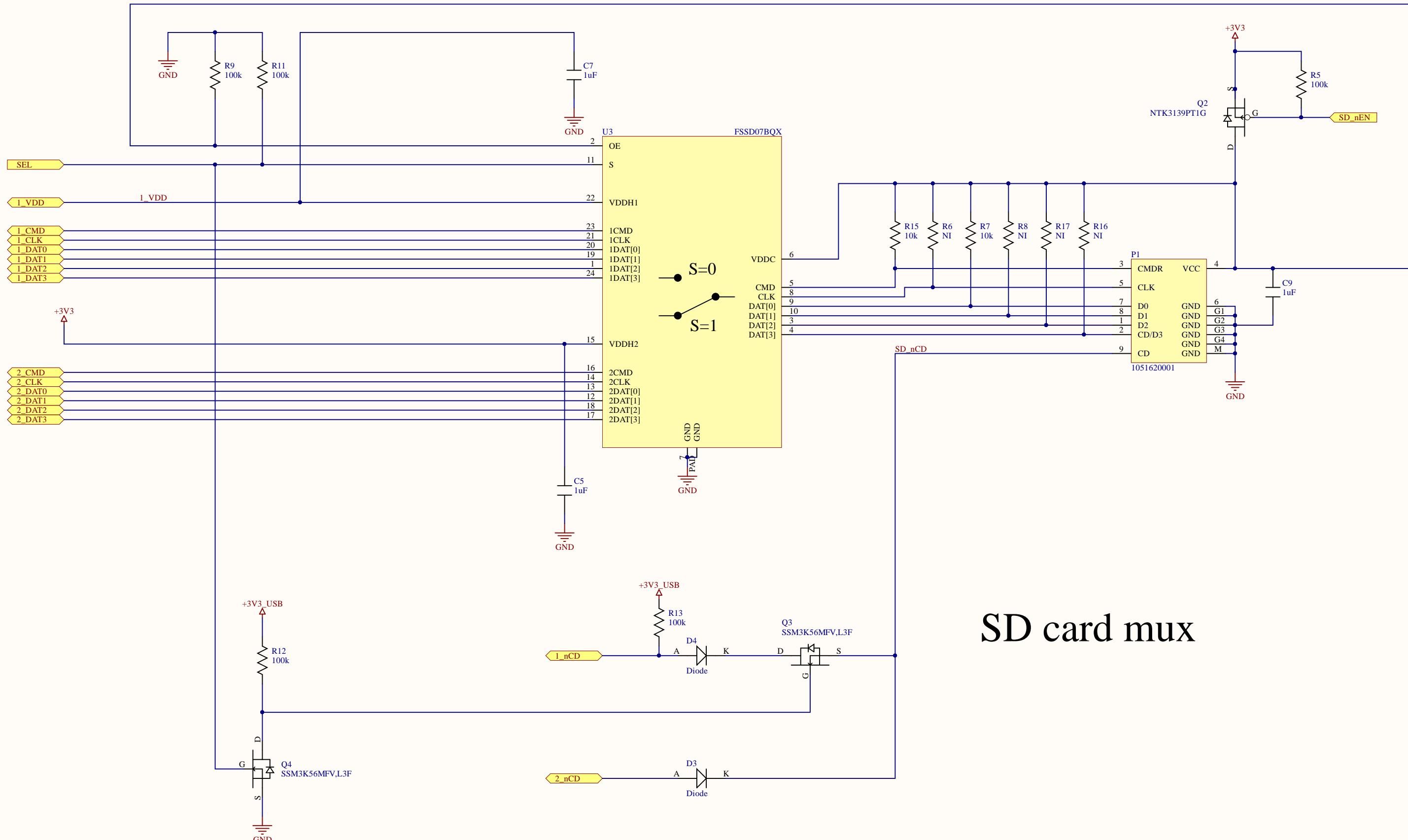


3,3V_USB LDO



Sheet name **USB hub**
Project name **OpenIMU-MiniLogger**
Contact **V.P.Rheaume@USherbrooke.ca**
Rev 1.1 Date 2019-09-18 Sheet 4 of 8





SD card mux

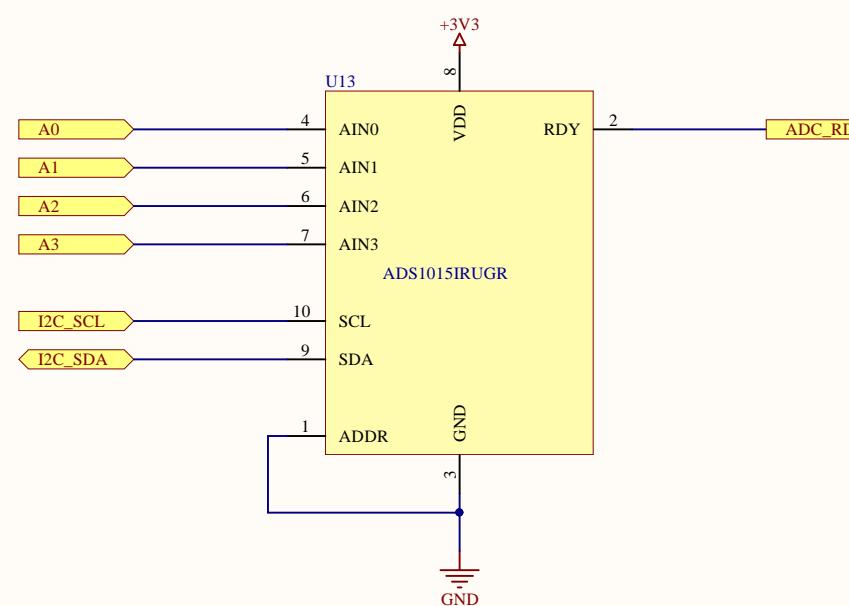
Sheet name	SD Card Sharing
Project name	OpenIMU-MiniLogger
Contact	V.P.Rheaume@USherbrooke.ca
Rev	1.1
Date	2019-09-18
Sheet	5
of	8



A

A

ADC



B

B

C

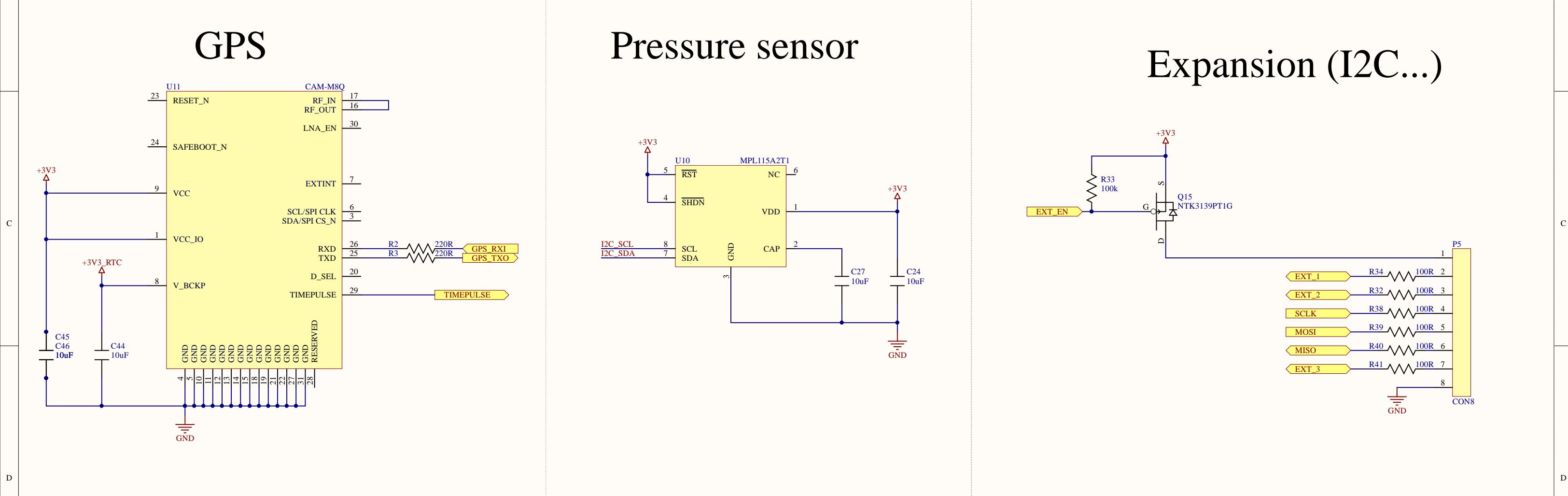
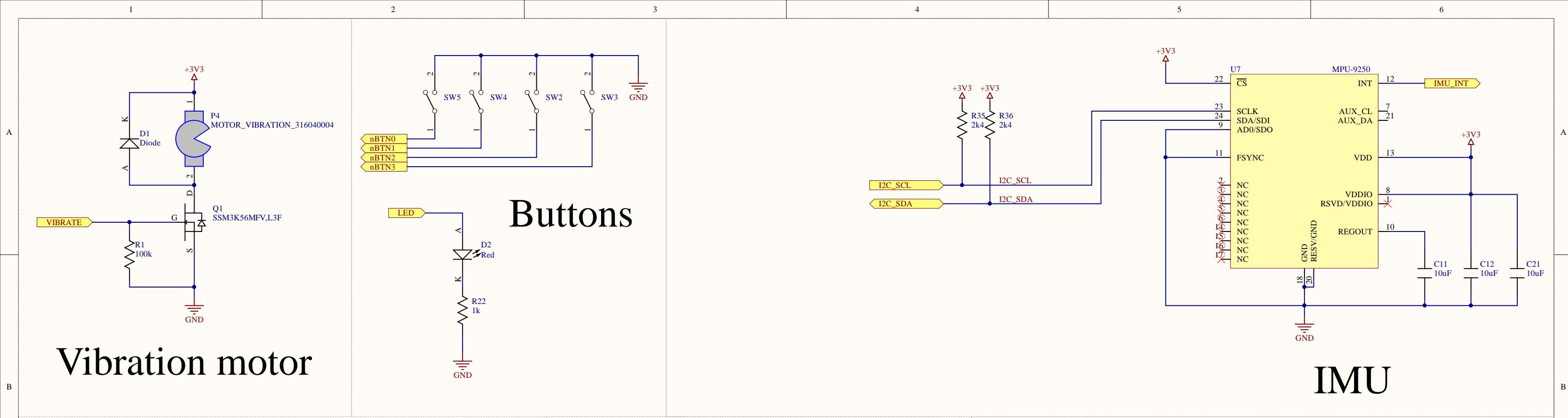
C

D

D

Sheet name	ADC
Project name	OpenIMU-MiniLogger
Contact	V.P.Rheaume@USherbrooke.ca





A

A

B

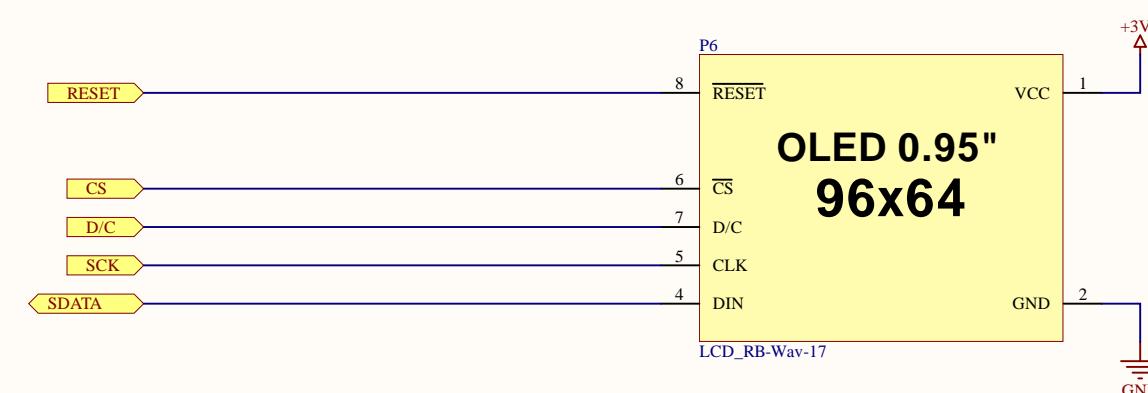
B

C

C

D

D



Sheet name	Display
Project name	OpenIMU-MiniLogger
Contact	V.P.Rheaume@USherbrooke.ca



