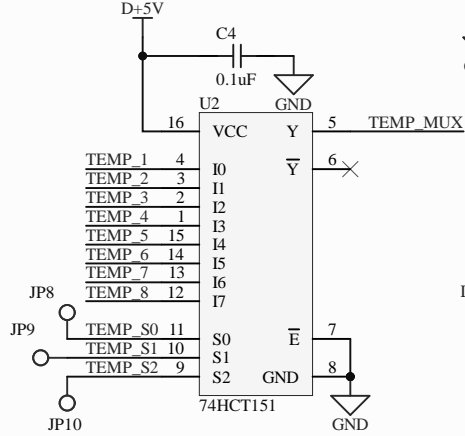
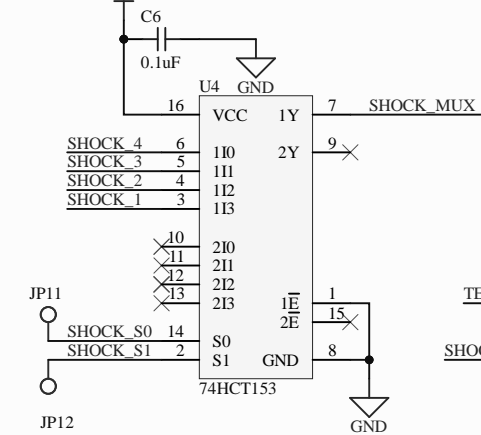


DAQ Board Rev 1

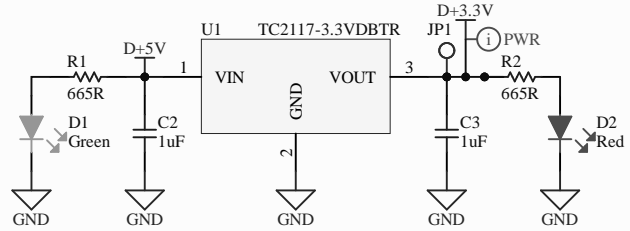
Temp Mux



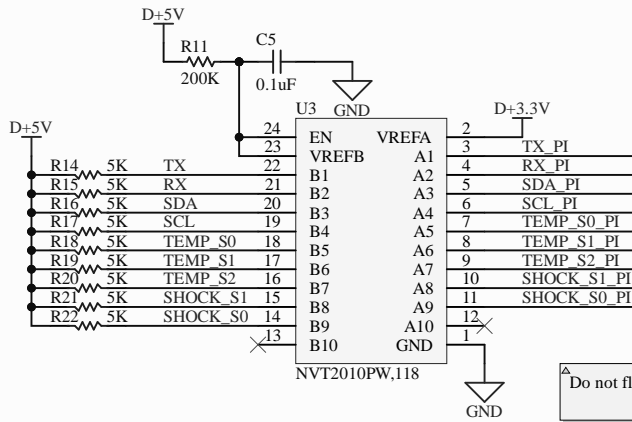
Shock Mux



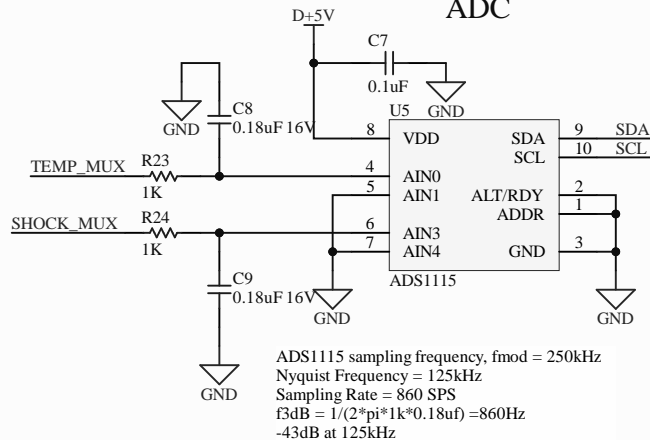
3.3V LDO



3.3V - 5V Level Shifters

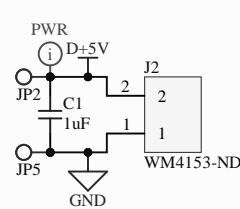


ADC

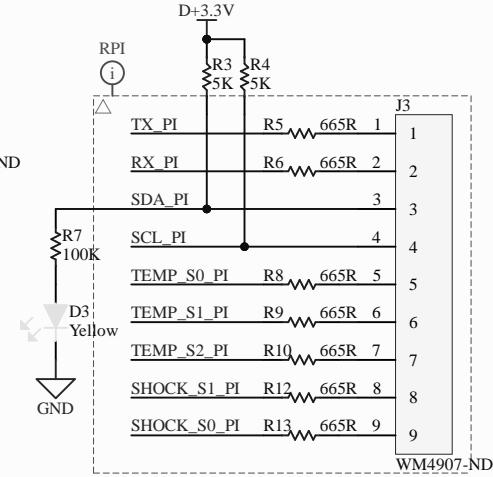


ADS1115 sampling frequency, $f_{mod} = 250\text{kHz}$
Nyquist Frequency = 125kHz
Sampling Rate = 860 SPS
 $f_{3dB} = 1/(2 \cdot \pi \cdot 1\text{k} \cdot 0.18\mu\text{F}) = 860\text{Hz}$
-43dB at 125kHz

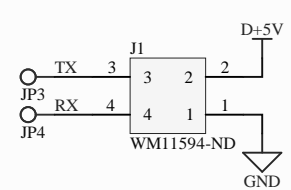
PDB



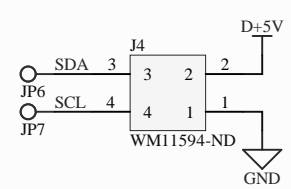
Raspberry Pi



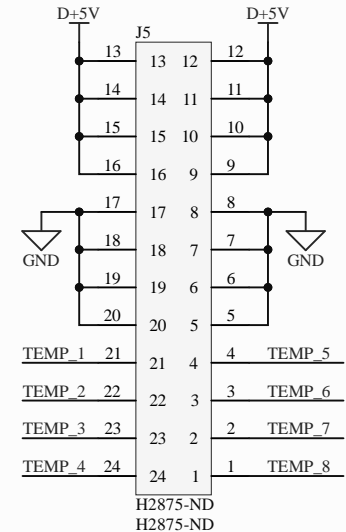
GPS



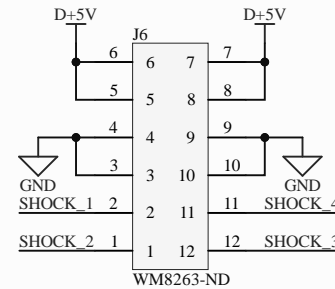
IMU



Temperature



Shock Travel



Title		
DAQ Board R1		
Size	Number	Revision
A4	DAQ_1	1
Date:	2/06/2021	Sheet of Justin Tsang
File:	C:\Users\root\SchDoc	Drawn By: 1/1