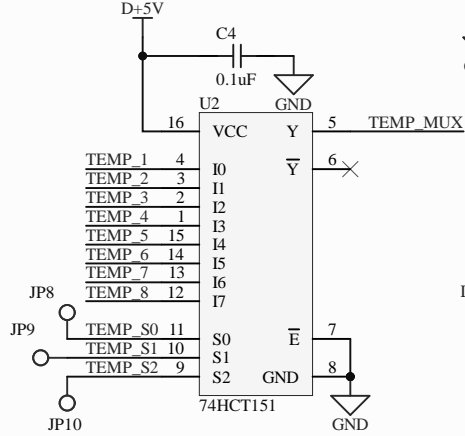
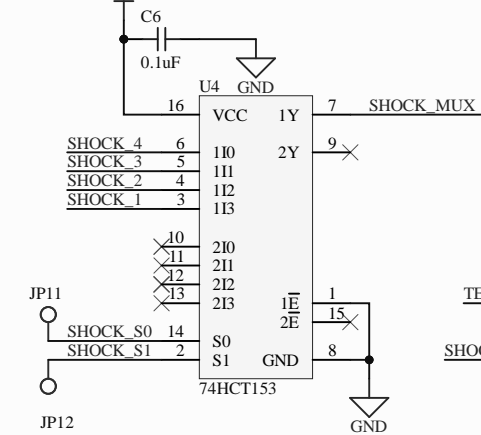


DAQ Board Rev 1

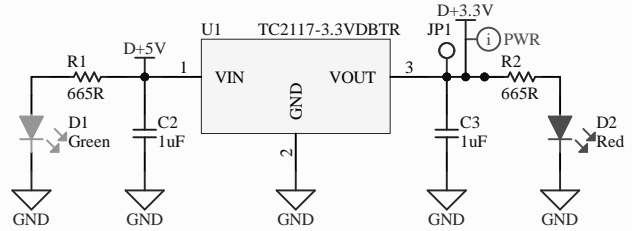
Temp Mux



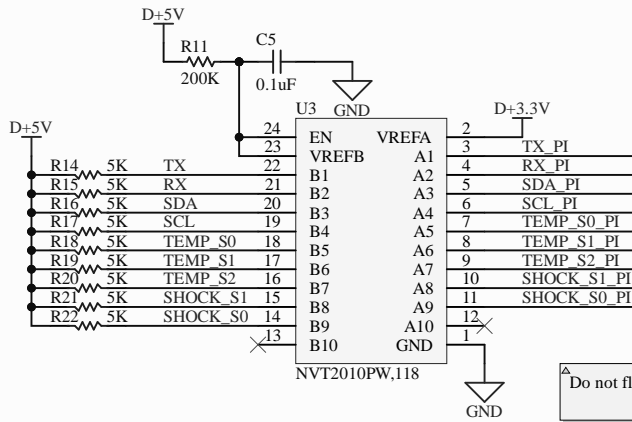
Shock Mux



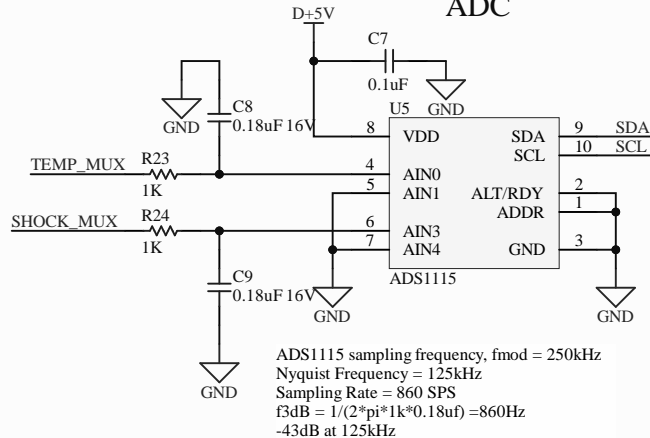
3.3V LDO



3.3V - 5V Level Shifters

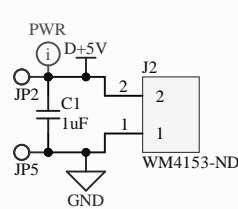


ADC

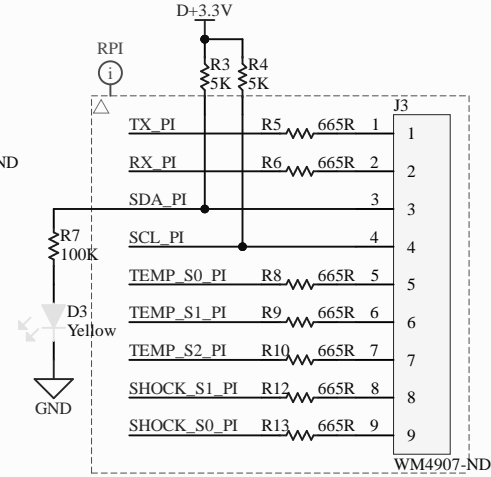


ADS1115 sampling frequency, fmod = 250kHz
Nyquist Frequency = 125kHz
Sampling Rate = 860 SPS
f3dB = 1/(2*pi*1k*0.18uf) = 860Hz
-43dB at 125kHz

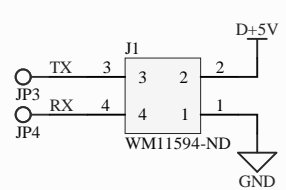
PDB



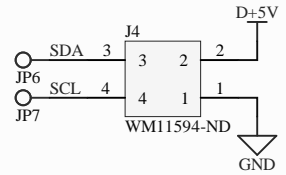
Raspberry Pi



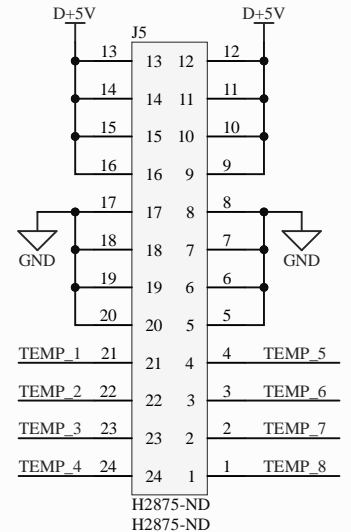
GPS



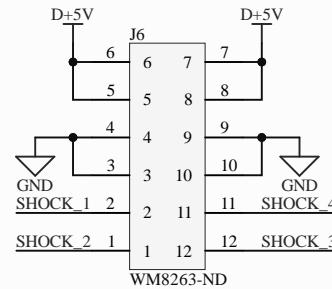
IMU



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