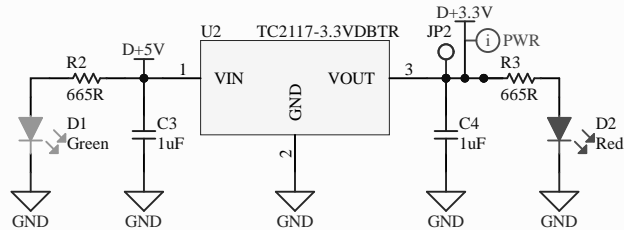
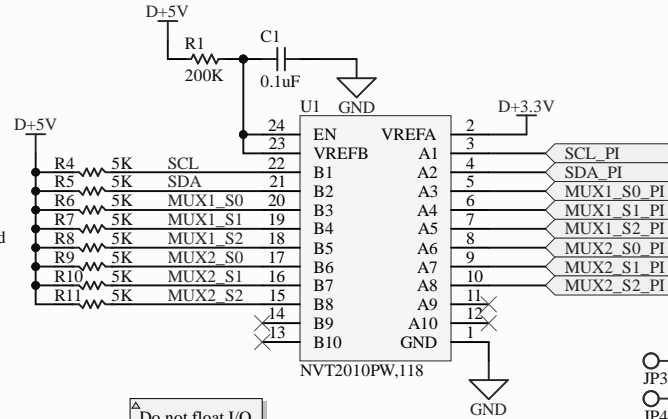


# ADC+Level Shift

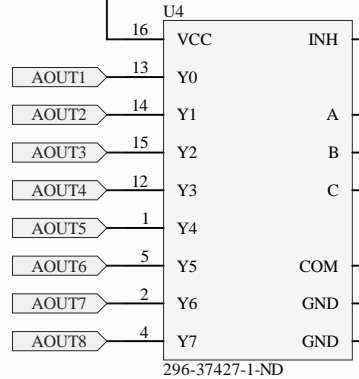
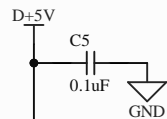
## 3.3V LDO



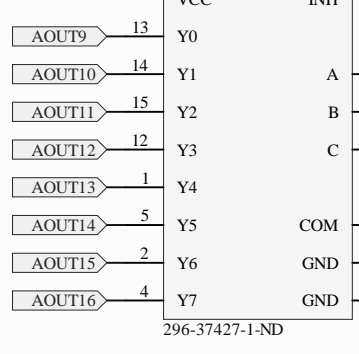
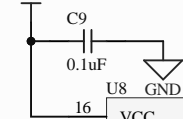
## 3.3V - 5V Level Shifters



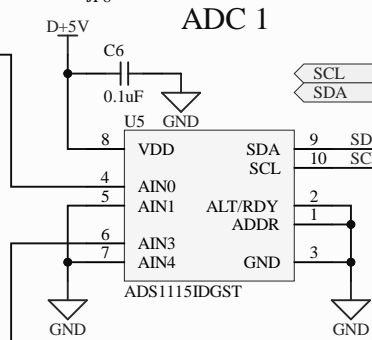
## MUX 1



## MUX 2



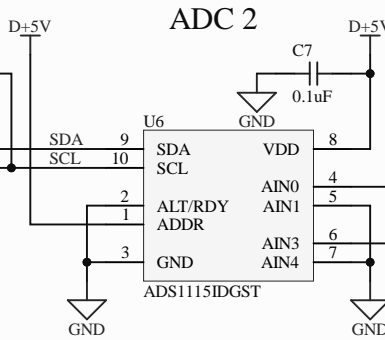
## ADC 1



Input are DC, do not need filter because it will add RC delay

GND: 0x48

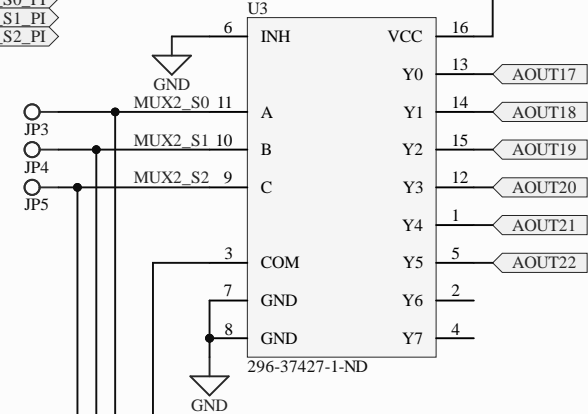
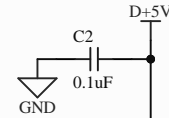
## ADC 2



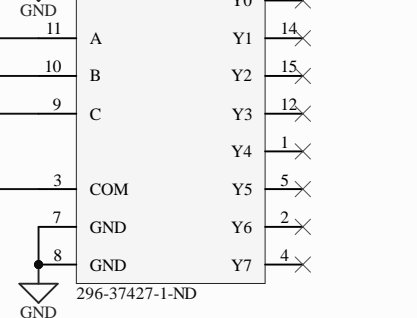
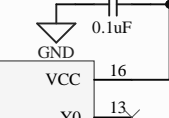
Input are DC, do not need filter because it will add RC delay

GND: 0x49

## MUX 3

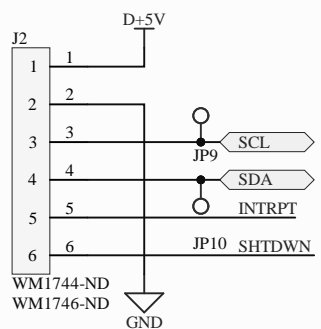


## MUX 4

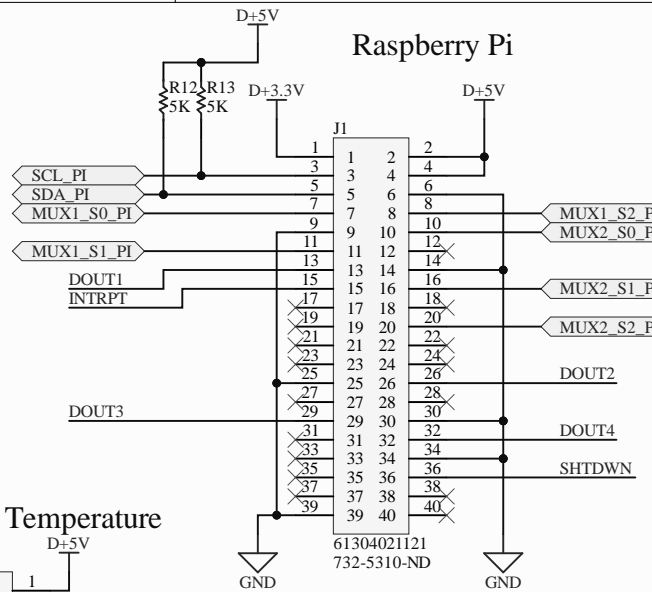


Title		
DAQ-2-A - ADC_LEVEL		
Size	Number	Revision
A4	DAQ-2-A	2-A
Date:	9/01/2021	Sheet of 2/3
File:	C:\Users\...\ADC_Level.SchDoc	Drawn By: Justin Tsang

IMU



Raspberry Pi



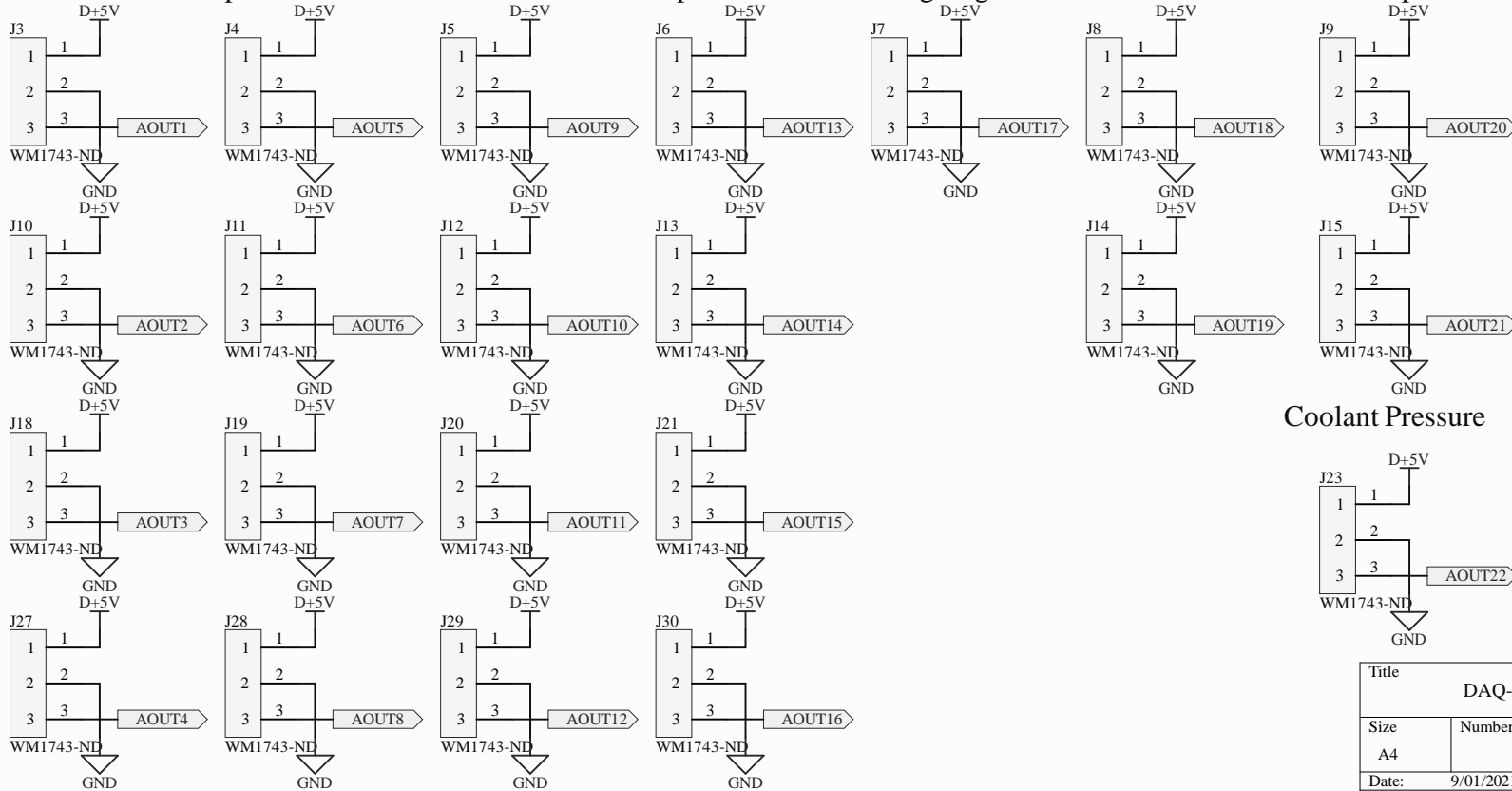
Temperature

Damper Travel

Steering Angle

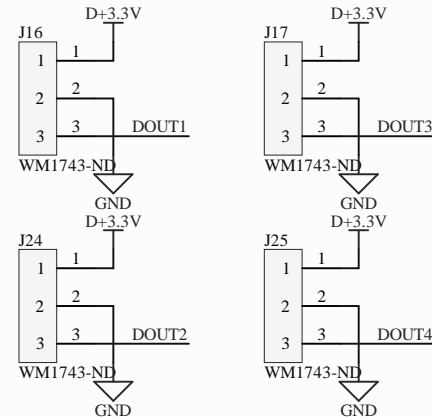
Brake Pressure

Coolant Temperature



Wheel Speed

Coolant Pressure

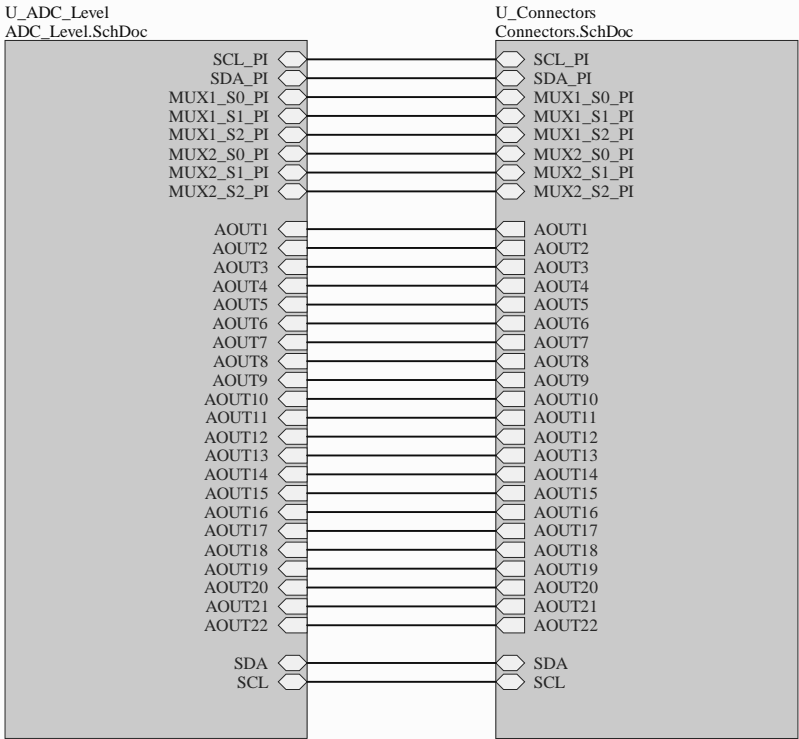
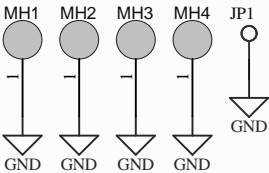


Title		
DAQ-2-A - Connectors		
Size	Number	Revision
A4	DAQ-2-A	2-A
Date:	9/01/2021	Sheet of 3/3
File:	C:\Users\...\Connectors.SchDoc	Drawn By: Justin Tsang

# DAQ-2-A DAQ Board

I2C Address Table

I2C Channel	ADC_1	ADC_2
SDA/SCL	0x48	0x49



Title		
DAQ-2-A - Root		
Size	Number	Revision
A4	DAQ-2-A	2-A
Date:	9/01/2021	Sheet of 1/3
File:	C:\Users\..\root.SchDoc	Drawn By: Justin Tsang