

A

B

C

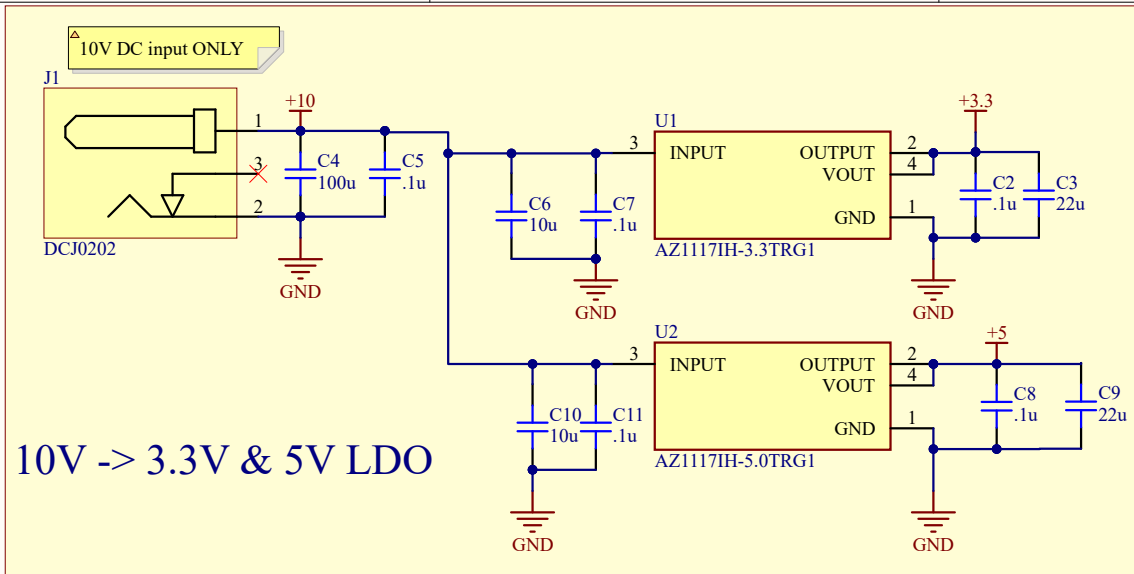
D

A

B

C

D



## Load Cell and Pressure Input -> ADC

$$\text{Gain} = 1 + 100k / R_g$$

$$3.3V / 20mV (1000 \text{ kN}) = 165V/V$$

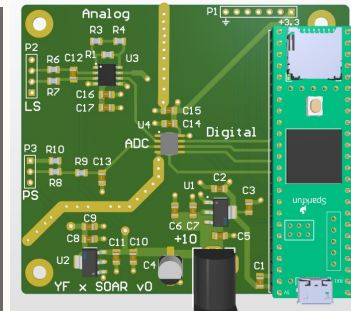
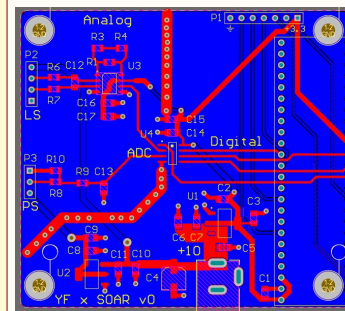
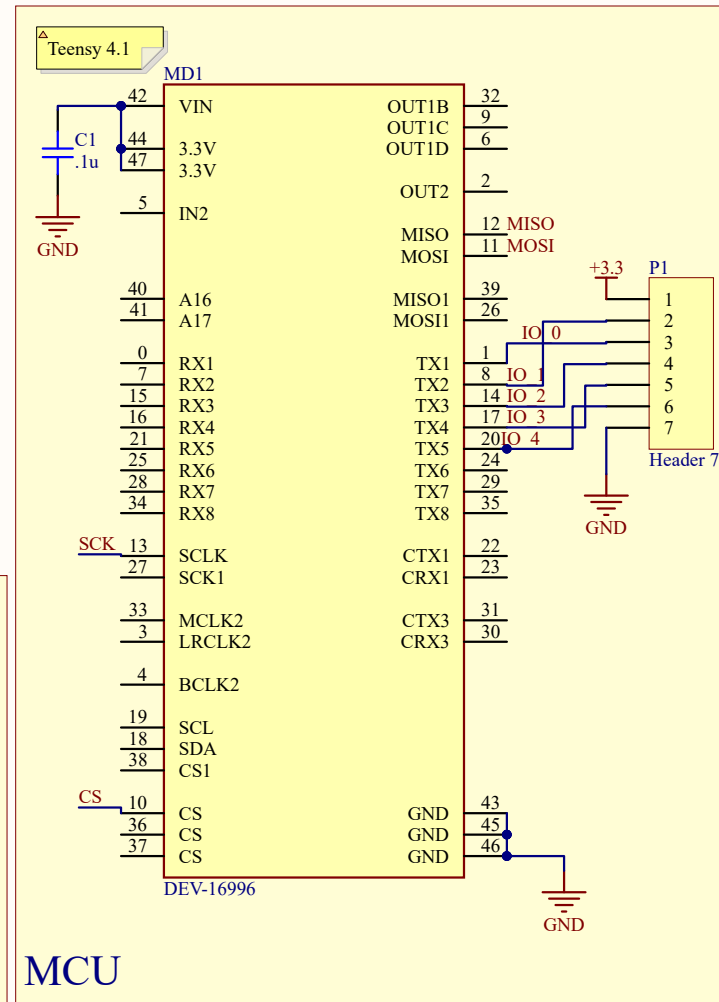
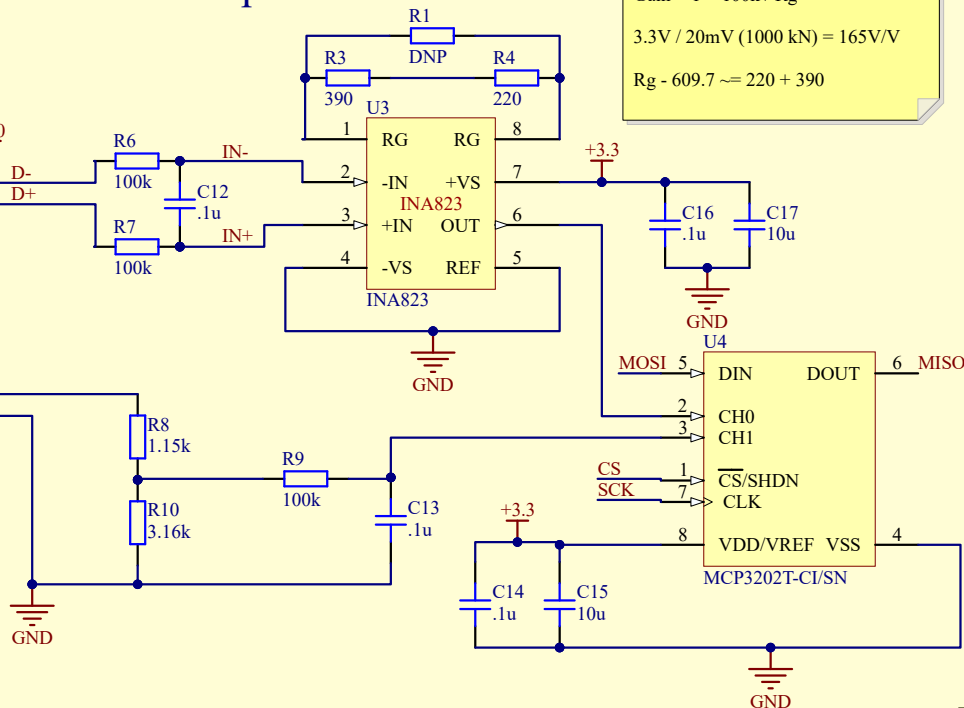
$$R_g - 609.7 \approx 220 + 390$$

Load Cell

Header 4

Header 3

Pressure Transducer



## Title SOAR Launch Motor Validation Board

Size	Number	Revision
A		v0
Date:	2/25/2024	Sheet of
File:	C:\Users\...\Sheet1.SchDoc	Drawn By: Yahya Farag