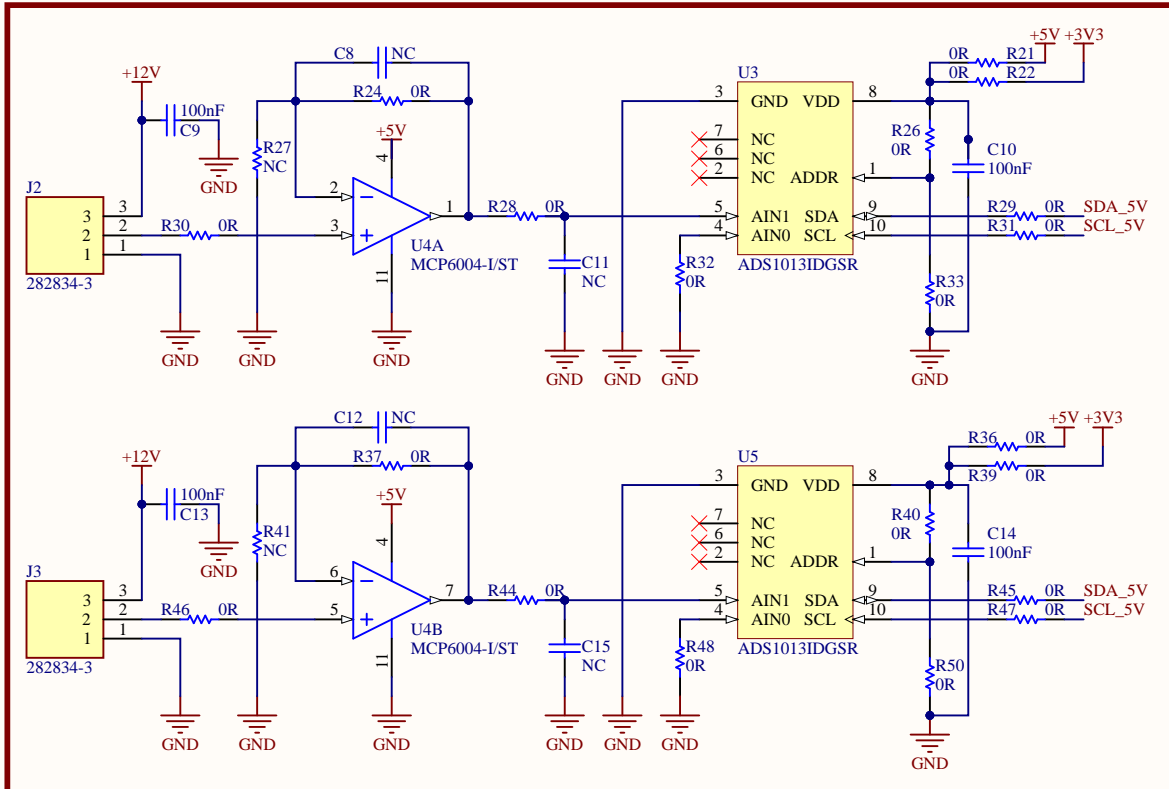
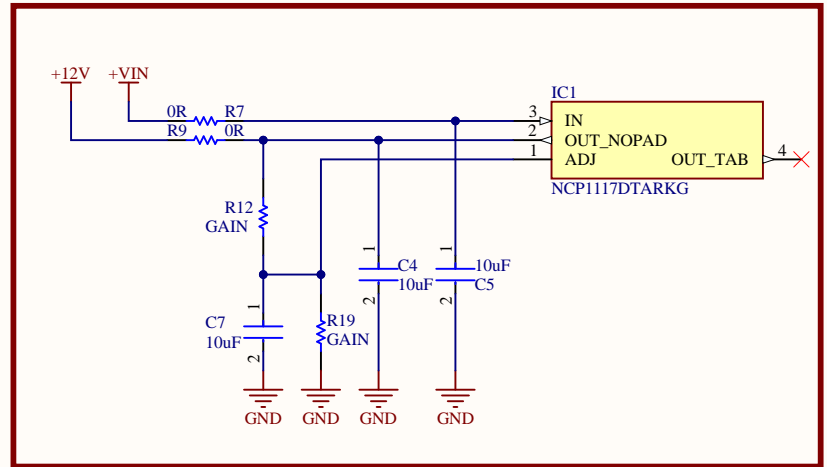


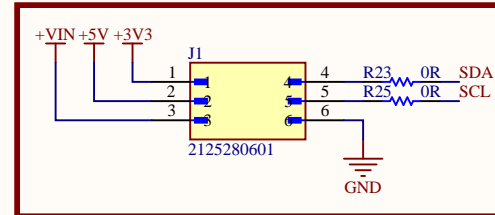
Pitot sensor : 26PCGFA6D



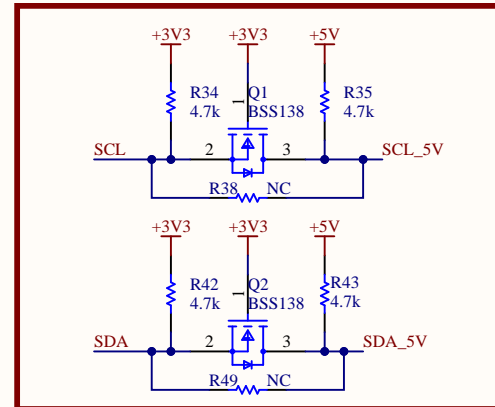
Pressure sensor :



Regulator : NCP1117TARKG



Micro-Fit 3.0 2125280-601

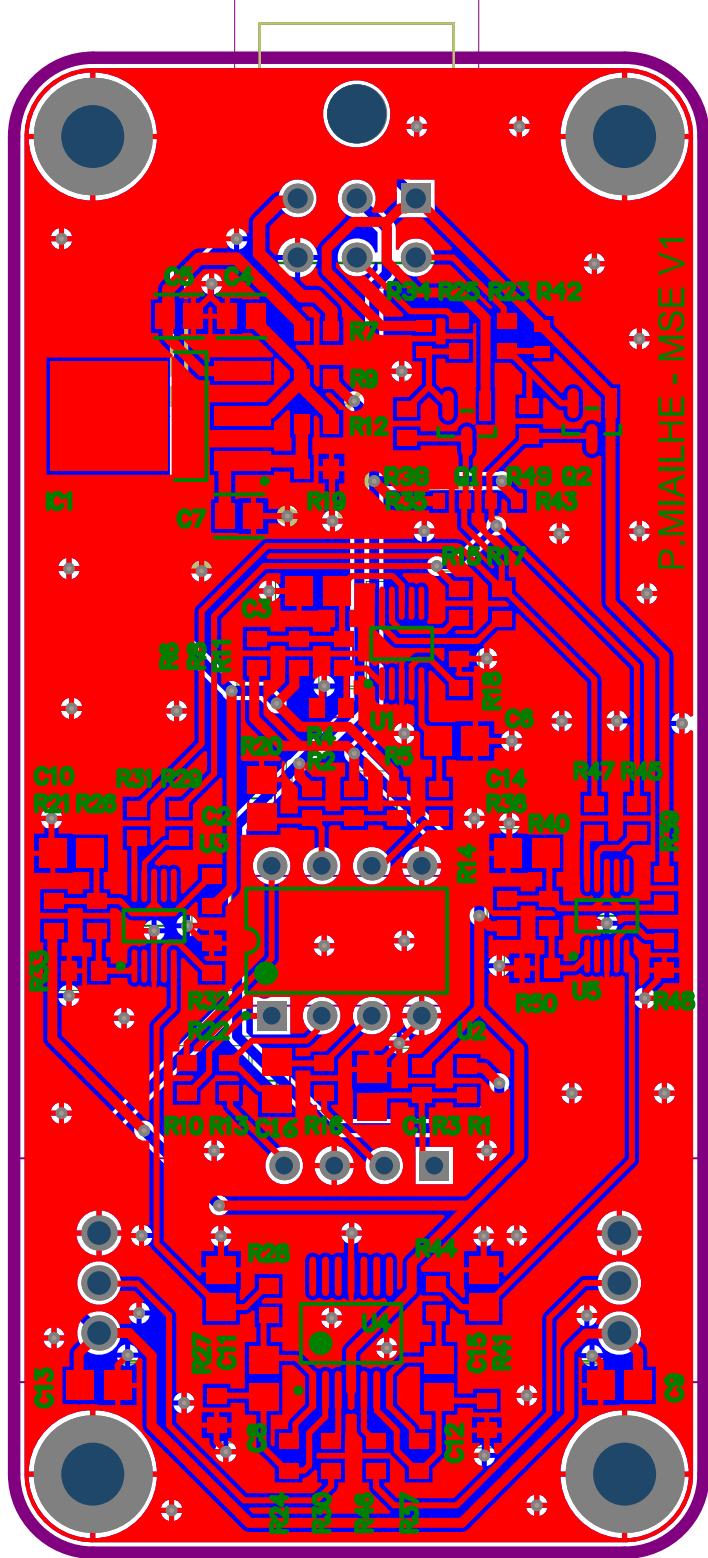


I2C : PULL UP

26PCGFA6D Pitot :
 - Capteur en pont de wheatstone ayant un span de 150mV.
 - Utilisation d'un AOP instrumentale INA 121, sachant que $V_o = G * (V_i(+) - V_i(-))$ & $G = 1 + 50K/R_g$ alors $G = 33$ & $R_g \approx 1.5K$
 - Lecture capteur 1ms => 1kHz donc filtre RC pour réaliser un filtre passe bas passif $R = 100R$ et $C = 1\mu F$ en donnant $F_o = 1591hz (1/2\pi RC)$
 NCP1117 Regulator :
 Configuration 12V => $R_{12} = 100R$ et $R_{19} = 866R$

Title			Revision
MSE Sensor			
Size	Number		
A4			
Date:	7/28/2023	Sheet of	
File:	C:\Users\...MainSheet.SchDoc	Drawn By:	Paul Mialhe

V°1



Board Stack Report