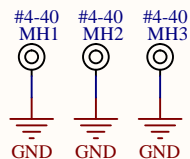


Title			TAUV Thruster Board	
Size	Number		Revision	
A			1.1	
Date:	9/16/2023		Sheet	of
File:	C:\Users\...\Main.SchDoc		Drawn By:	

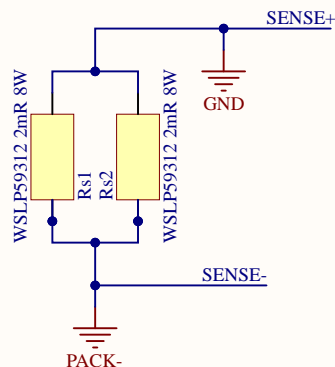
A

Mounting Holes



B

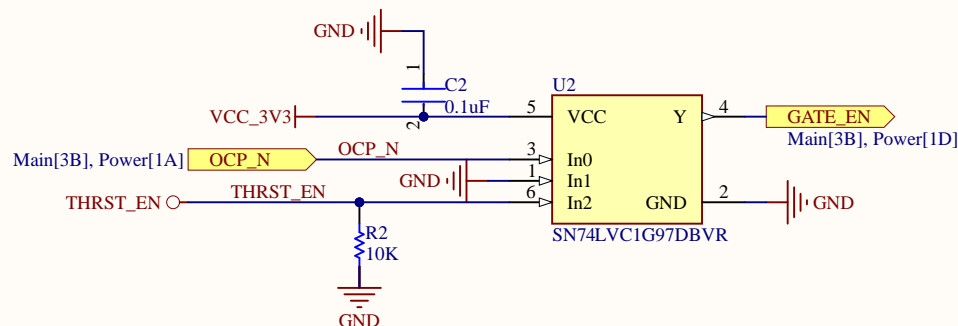
Shunt



Because we don't have a net tie object, the GND net goes to the SENSE+ pin, and the PACK- net goes to the SENSE- pin.

C

Lockout AND gate



D

Lockout indicators



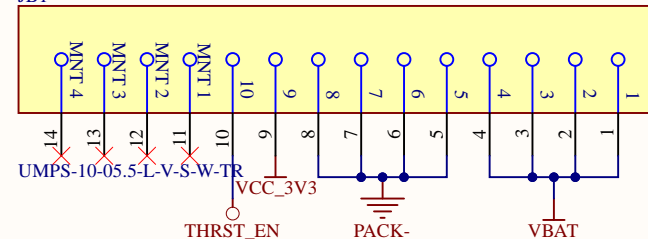
A

B

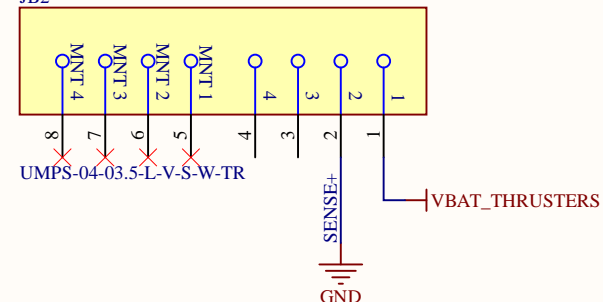
C

D

JB1



JB2



Board-to-Board Connectors

J1



J3



J5



J7



J2



J4



J6



J8

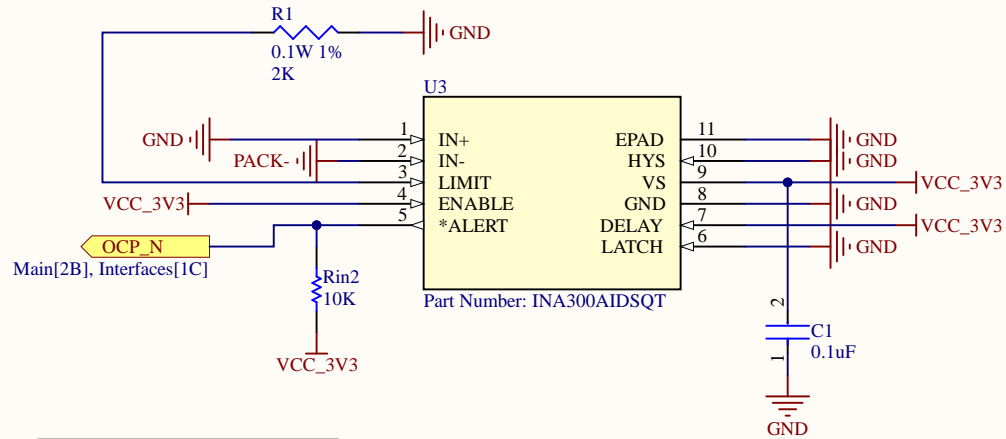


J9

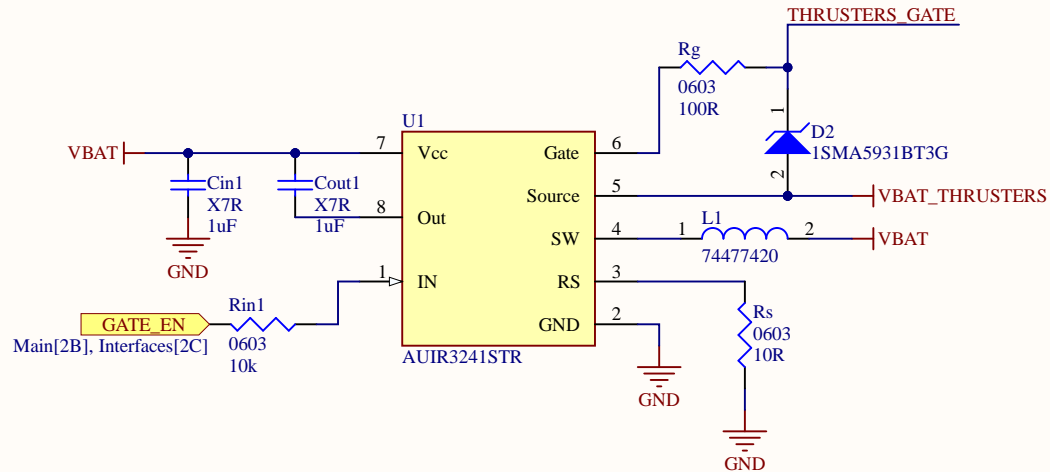


Thruster Power Connectors

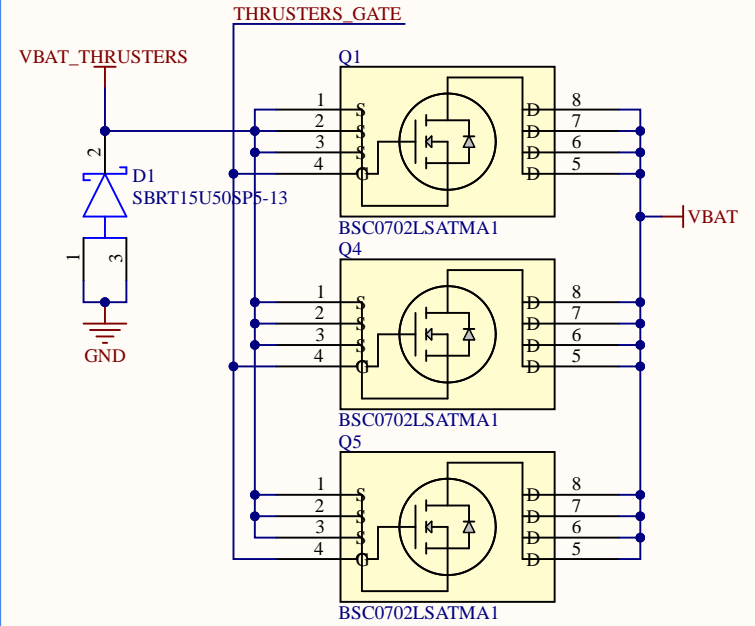
Title		
Interfaces		
Size	Number	Revision
A		
Date:	9/16/2023	Sheet of
File:	C:\Users\...\Interfaces.SchDoc	Drawn By:



Overcurrent Protection



Gate Driver



MOSFET

Max current: 100A
R_DSOn = 2.5 mOhm. @50A
10V
Gate charge: 30nC

Title		
Power		
Size	Number	Revision
A		
Date:	9/16/2023	Sheet of
File:	C:\Users\...\Power.SchDoc	Drawn By:

