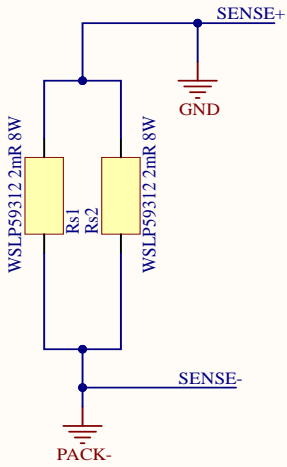


A

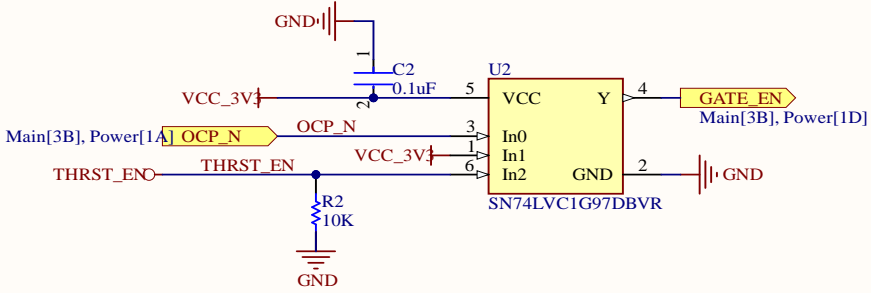


Because we don't have a net tie object, the GND net goes to the SENSE+ pin, and the PACK- net goes to the SENSE- pin.

Shunt

B

C

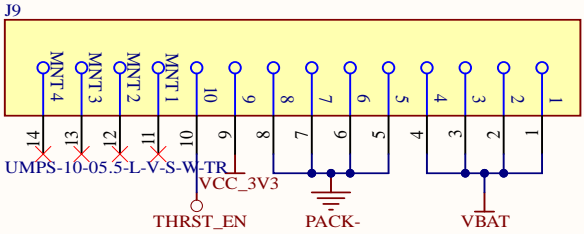


Lockout AND gate

D



Lockout indicators



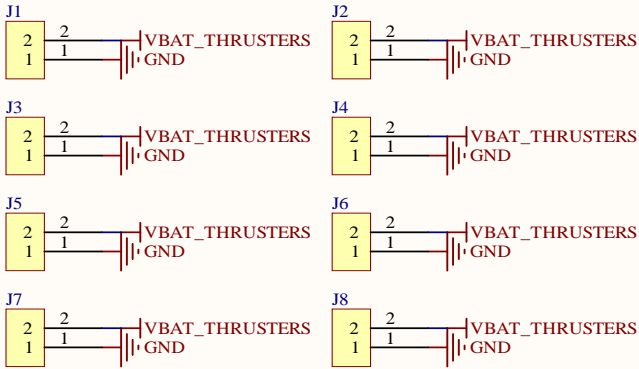
Board-to-Board Connector

A

B

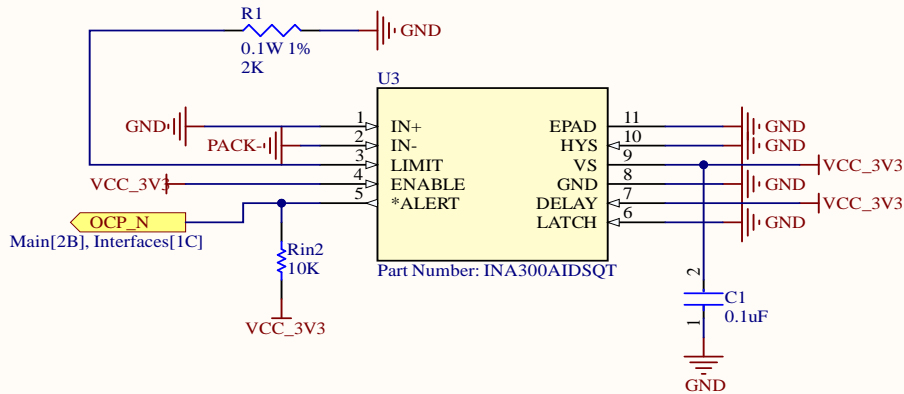
C

D

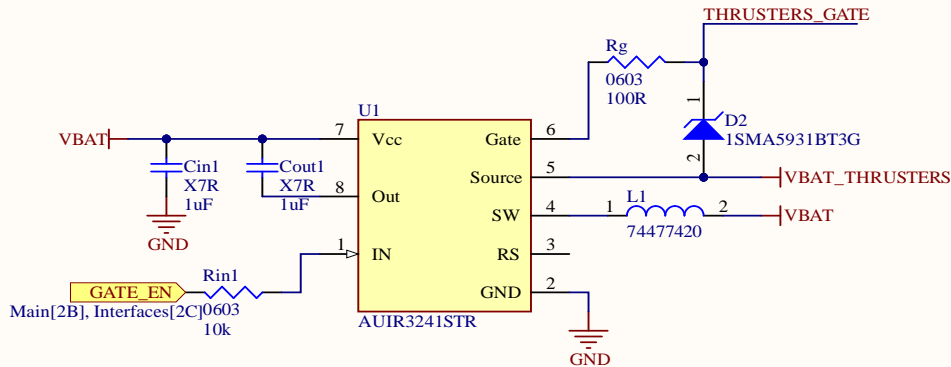


Thruster Power Connectors

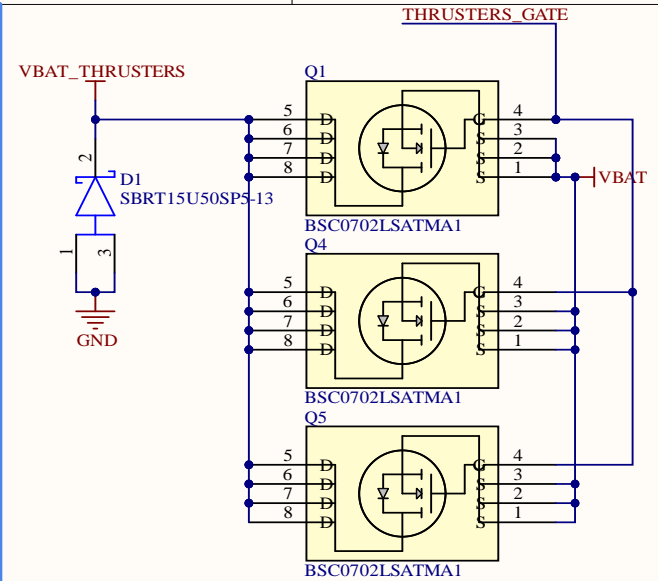
Title		
Interfaces		
Size	Number	Revision
A		
Date:	3/05/2023	Sheet of
File:	Y:\Documents\...\Interfaces.SchDoc	Drawn By:



## Overcurrent Protection



## Gate Driver

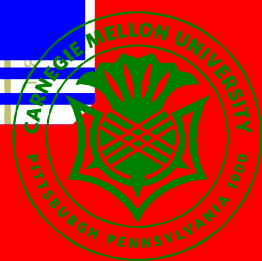
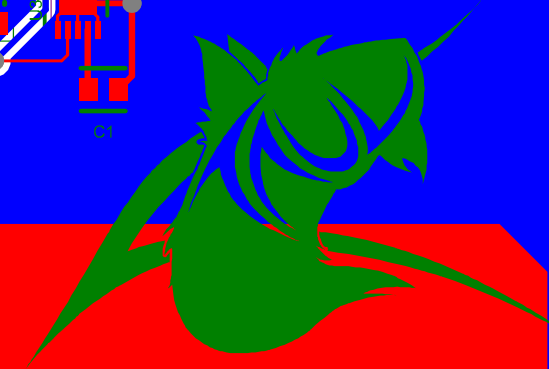


## MOSFET

Max current: 100A  
 $R_{DSon} = 2.5\ mOhm.\ @50A$   
10V  
Gate charge: 30nC

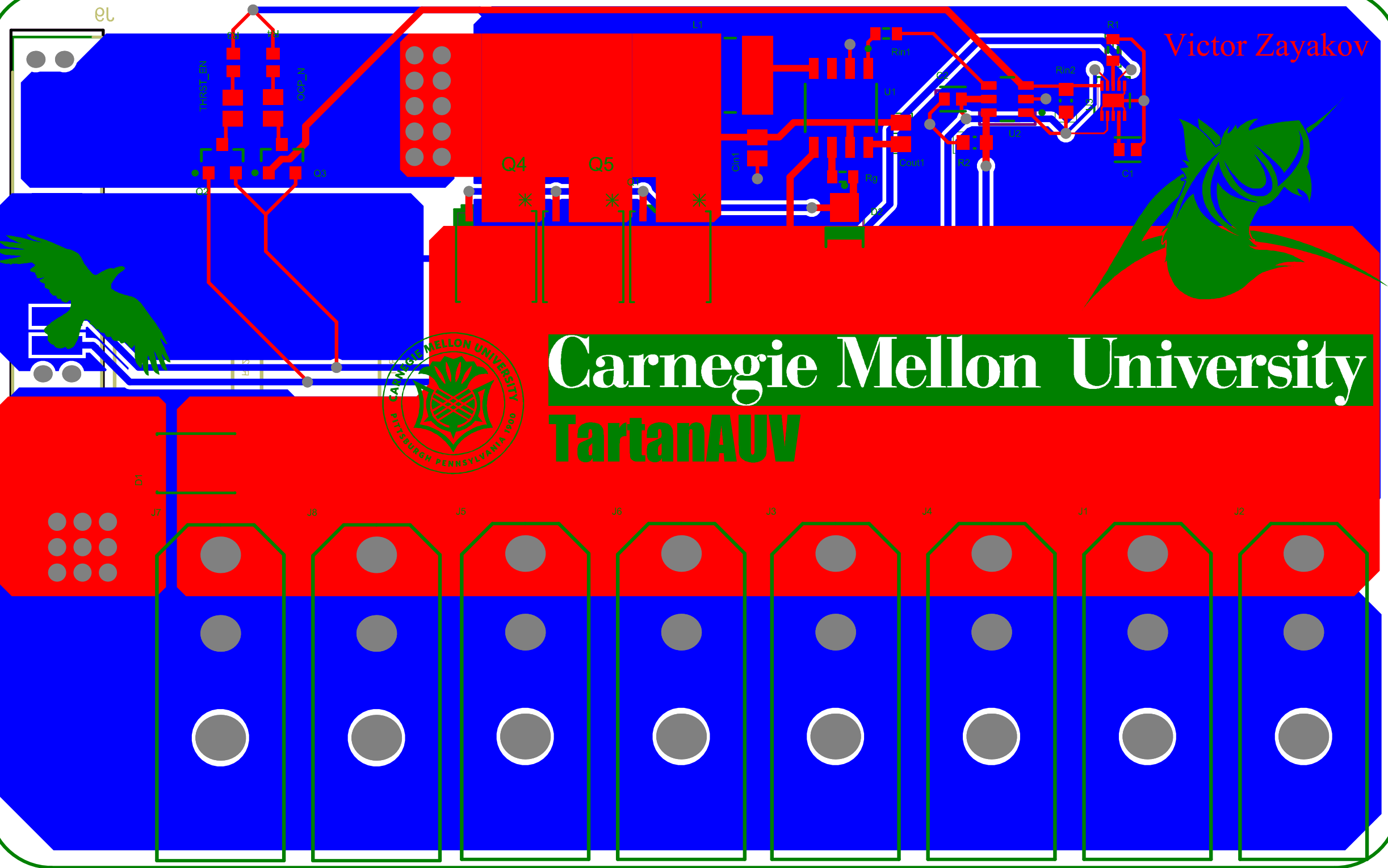
Title		
Power		
Size	Number	Revision
A		
Date:	3/05/2023	Sheet of
File:	Y:\Documents\...\Power.SchDoc	Drawn By:

Victor Zayakov

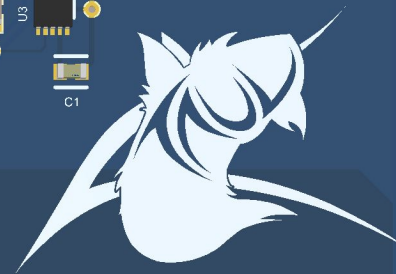


# Carnegie Mellon University

## TartanAUV



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