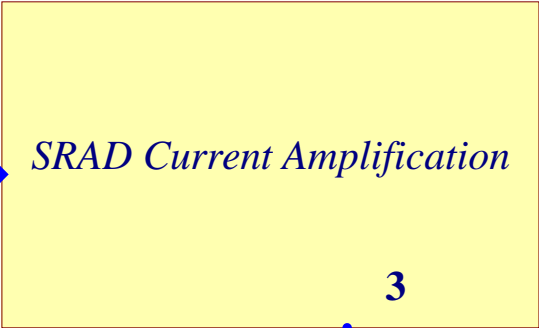
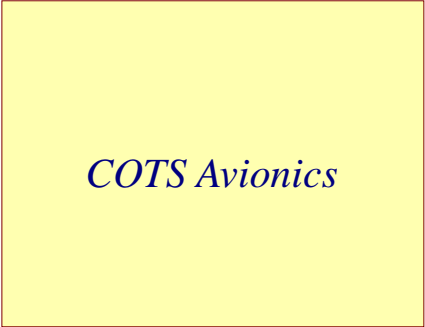




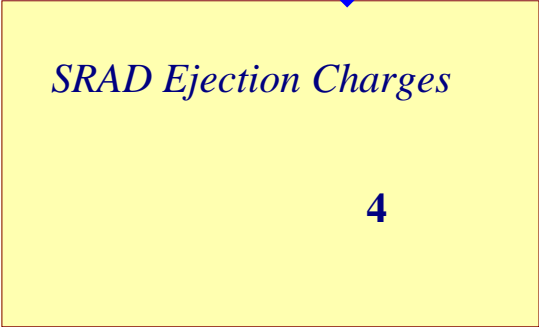
02_SRAD_Avionics.SchDoc



03_SRAD_Current_Amplification.SchDoc



05_COTS_Avionics.SchDoc

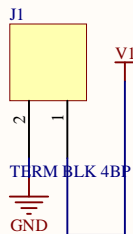


04_SRAD_Ejection_Charges.SchDoc

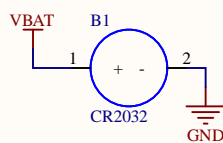


Title		
Block Diagram		
Size	Number	
A		
Date:	2/16/2023	Sheet of
File:	C:\Users\...\01_Linda_SRAD_Avionics_001.sch	Drawn By: Juan Rafael Munoz, Jr.

Avionics Power Supply

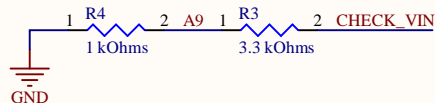


Coin Cell for RTC

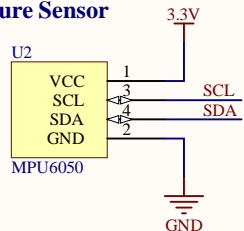


Monitor Avionics Power Supply

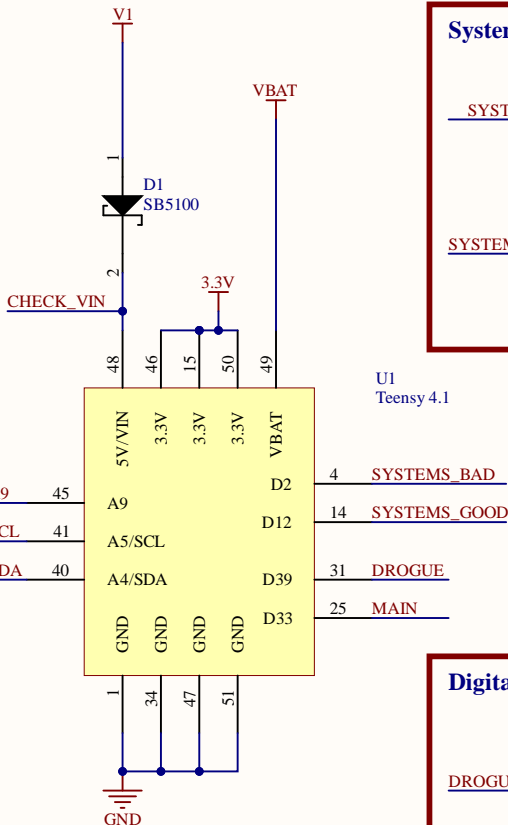
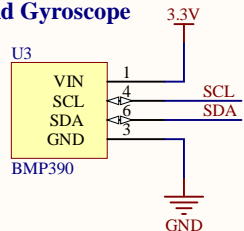
$$VIN = VR3 * (R3 + R4) / R3 \text{ (Need between 3.4-5V)}$$



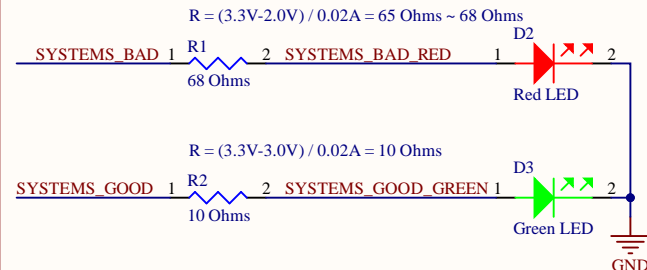
Barometric Pressure Sensor



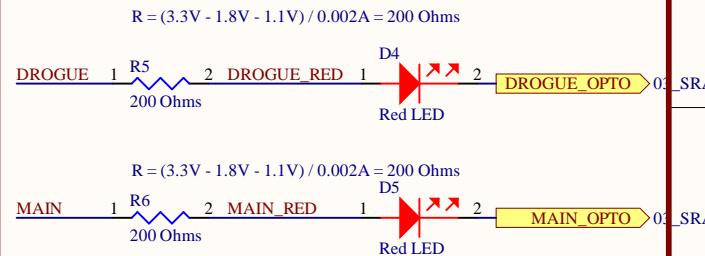
Accelerometer and Gyroscope



Systems Check



Digital Channels for Ejection Charges



Title

SRAD Avionics cont.

Size

Number

Revision

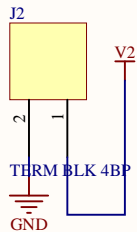
Date: 2/16/2023

Sheet of

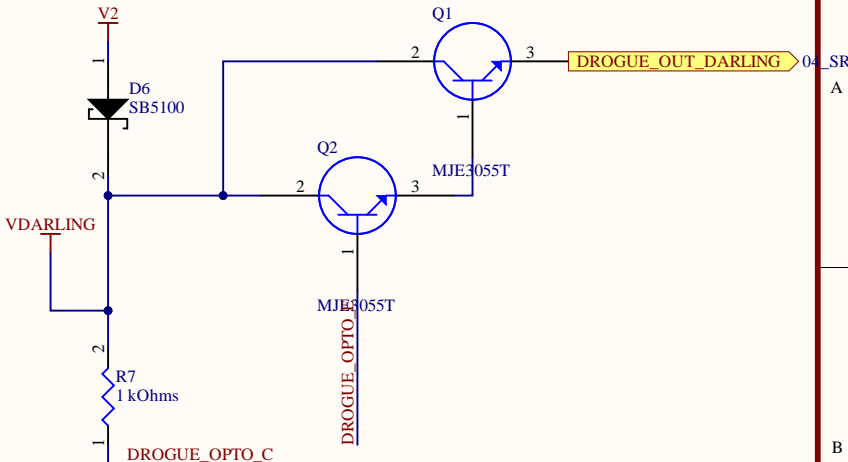
File: C:\Users\...\02_SRAD_Avionics.SchDoc

Drawn By: Juan Rafael Munoz, Jr.

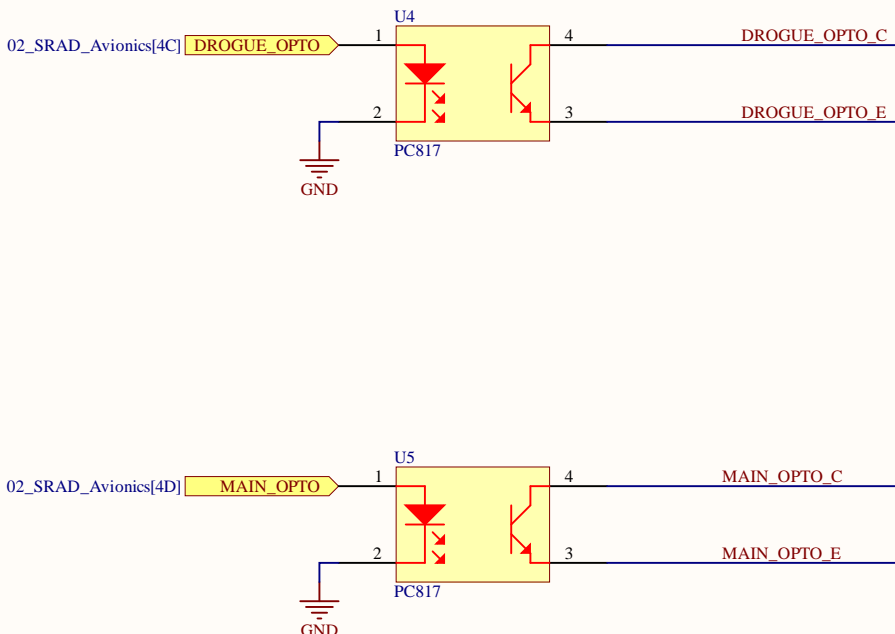
Ejection Charges Power Supply



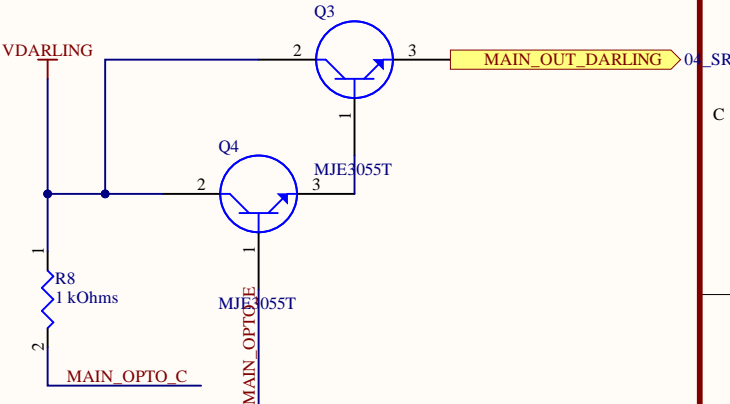
Drogue Channel Current Amplification



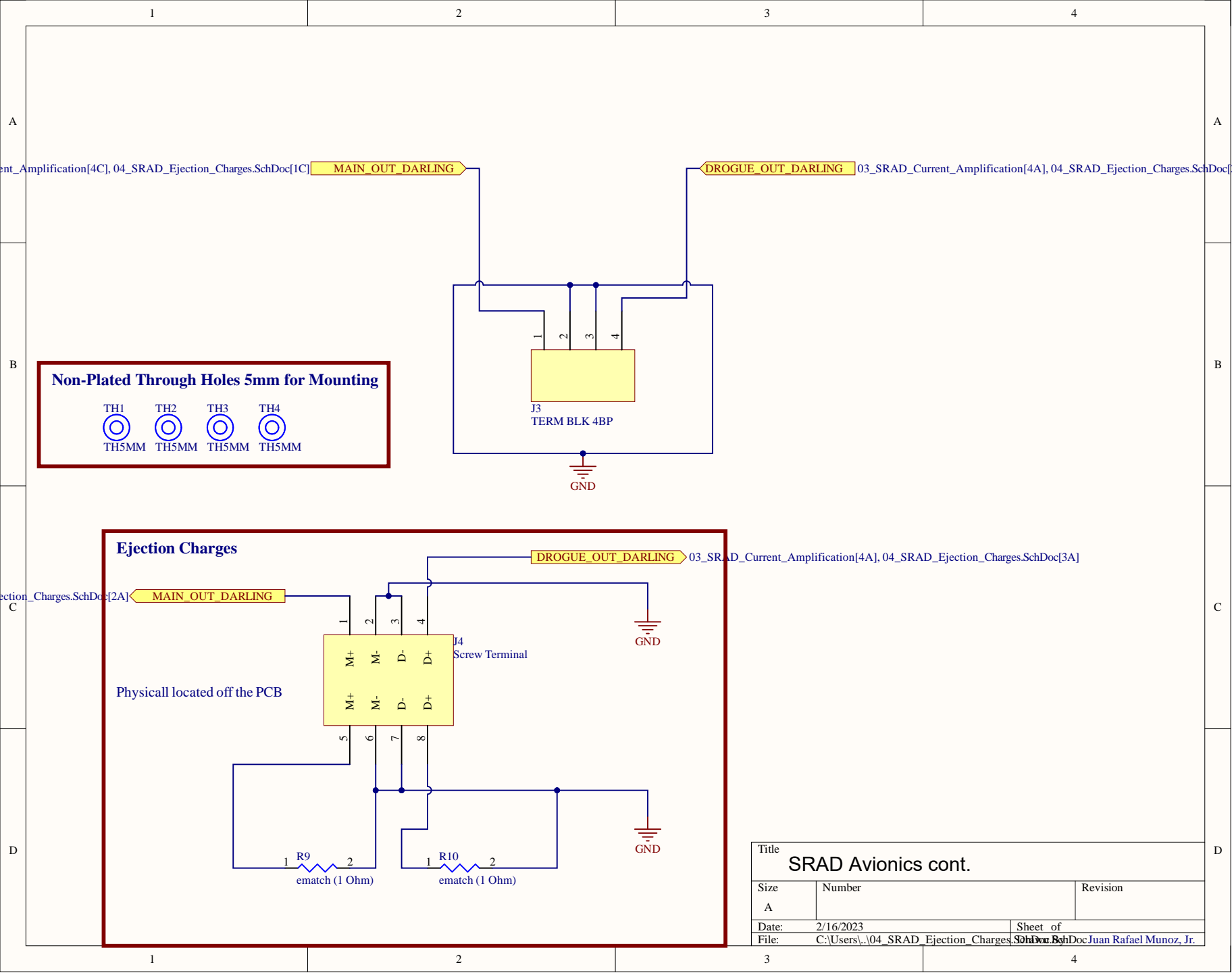
Optocouple Avionics to Ejection Charge

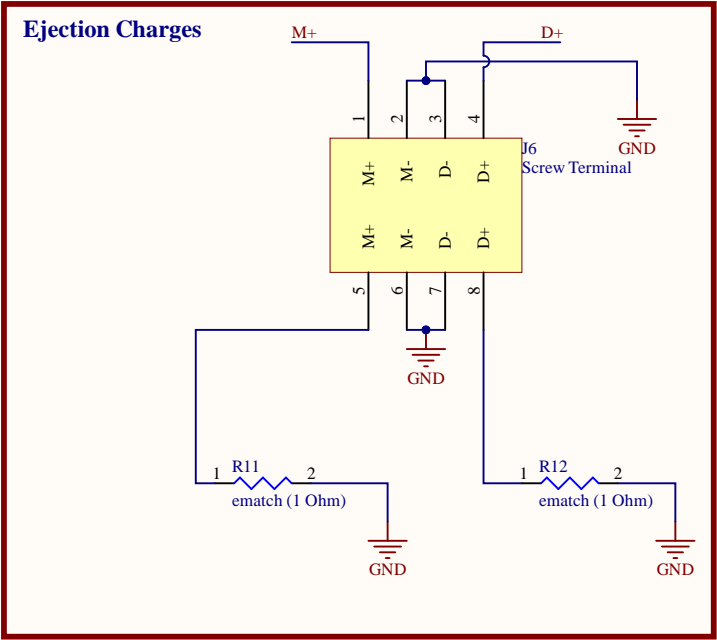
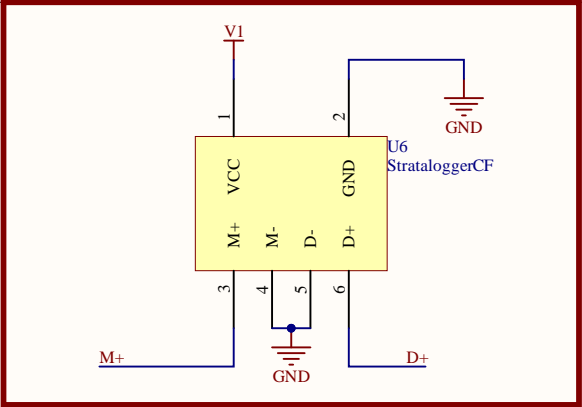
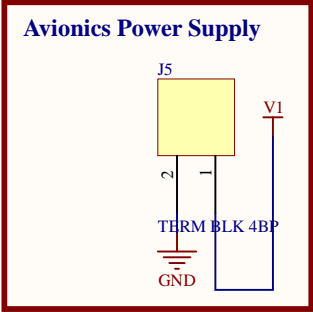


Main Channel Current Amplification



Title		
SRAD Avionics cont.		
Size	Number	Revision
A		
Date:	2/16/2023	Sheet of
File:	C:\Users\...\03_SRAD_Current_Amplification.Dwg Juan Rafael Munoz, Jr.	





Title		
COTS Avionics		
Size	Number	Revision
A4		
Date:	2/16/2023	Sheet of
File:	C:\Users\...\05_COTS_Avionics.SchDoc	Drawn By: