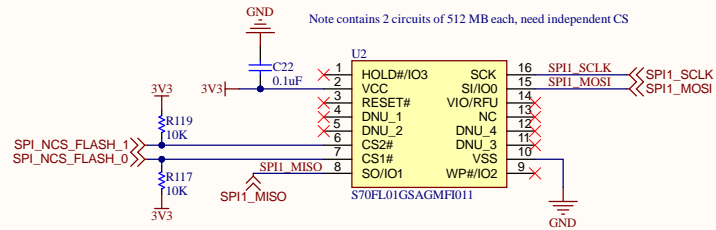
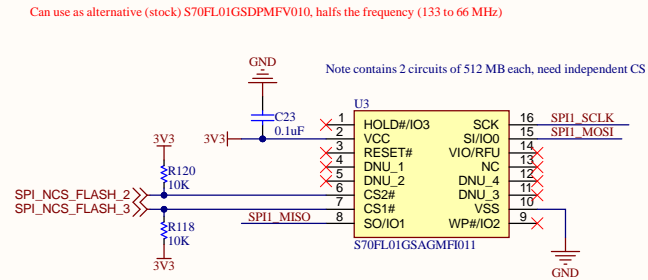




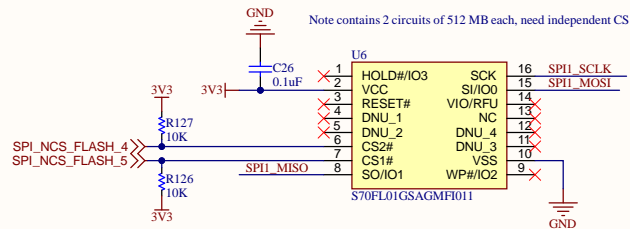
## Flash Memory



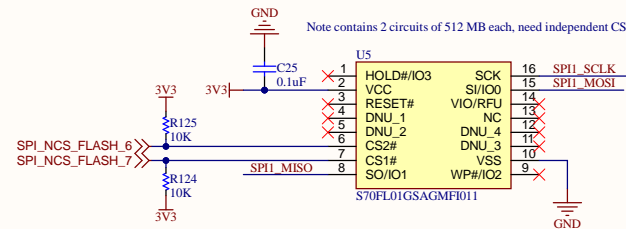
Voltage: 3V3, Max current: 90 mA  
Voltage: 3V3, Typical Standby current: 140 uA



Voltage: 3V3, Max current: 90 mA  
Voltage: 3V3, Typical Standby current: 140 uA

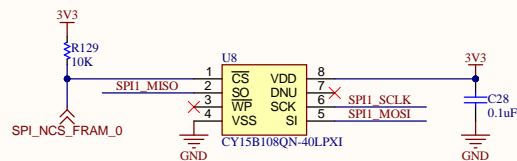


Voltage: 3V3, Max current: 90 mA  
Voltage: 3V3, Typical Standby current: 140 uA

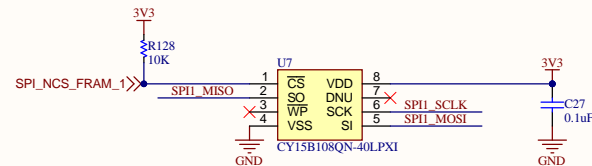


Voltage: 3V3, Max current: 90 mA  
Voltage: 3V3, Typical Standby current: 140 uA

## FRAM Memory



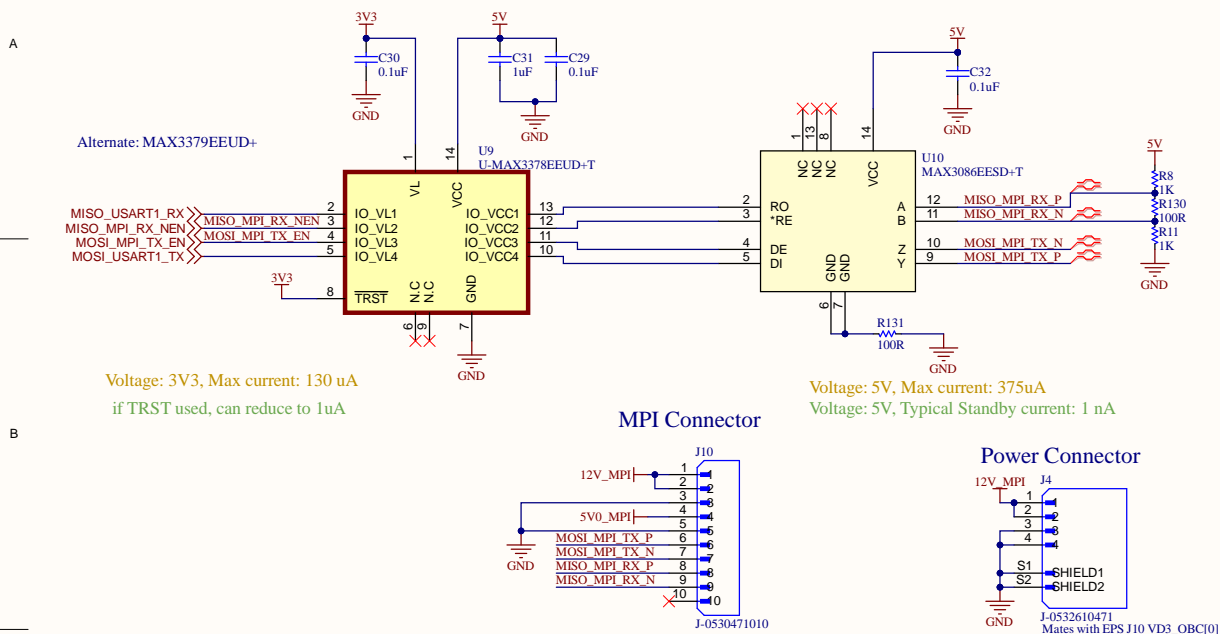
Voltage: 3V3, Typical current: 2.6 mA  
Voltage: 3V3, Typical Standby current: 3.5 uA



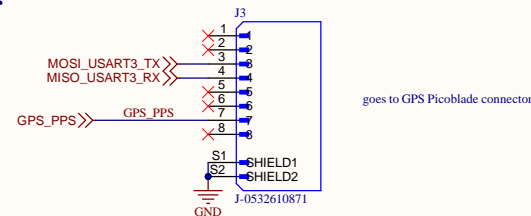
Voltage: 3V3, Typical current: 2.6 mA  
Voltage: 3V3, Typical Standby current: 3.5 uA

Title		
<b>Memory</b>		
Size	Number	Revision
A3		
Date:	4-27-2024	
File:	C:\Users\...\Memory.SchDoc	Sheet of Drawn By: <a href="#">James Chen</a>
	7	8

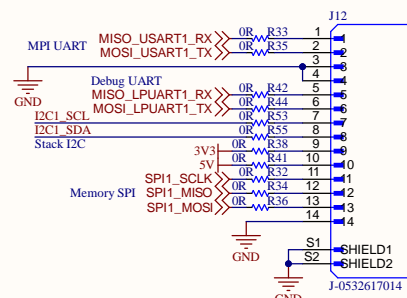
## MPI RS422 Transceiver + Connector



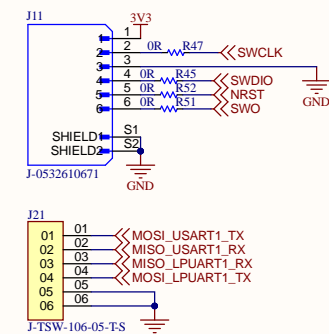
## GPS connector



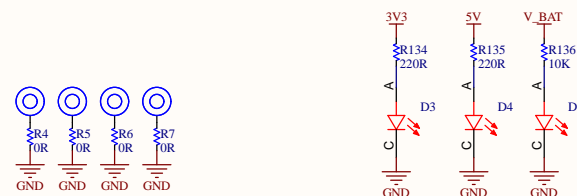
## Umbilical connector



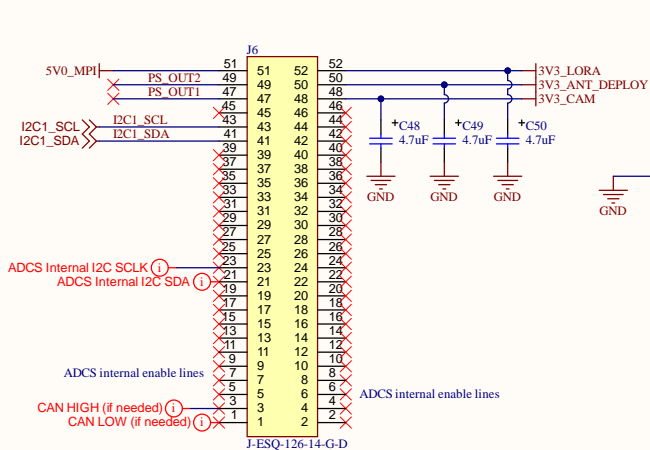
## Programming Connector



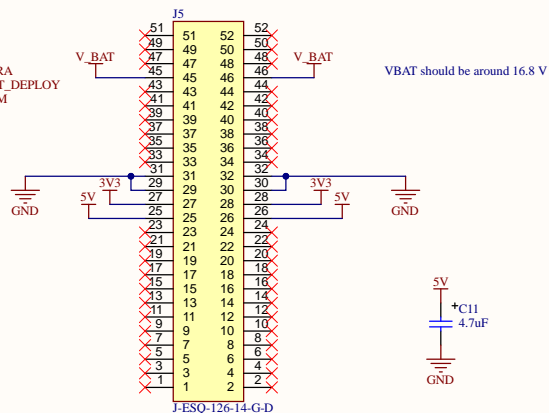
## Voltage Indicator LEDs



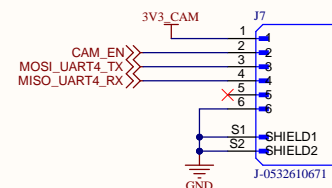
## H1 PC104 Connector



## H2 PC104 Connector

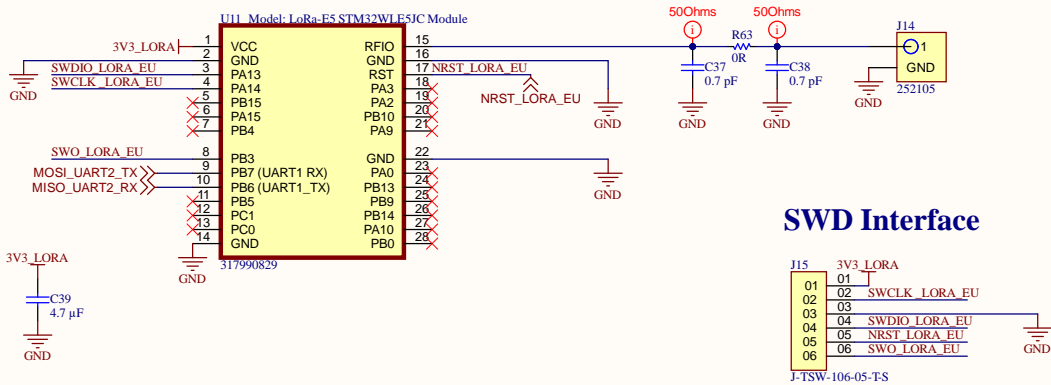


## Camera Connector

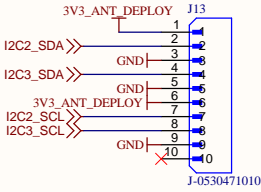


Title		
External Connectors		
Size	Number	Revision
A3		
Date:	4-27-2024	Sheet of
File:	C:\Users\...\External Connectors.SchDoc	Drawn By: James Chen

# LoRa WAN US915 + Antenna

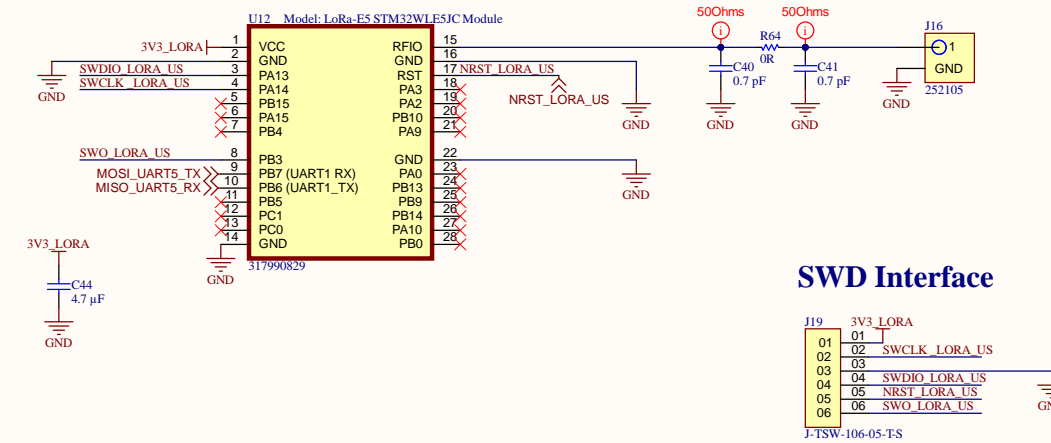


# Antenna Deploy Connectors (9 pin)

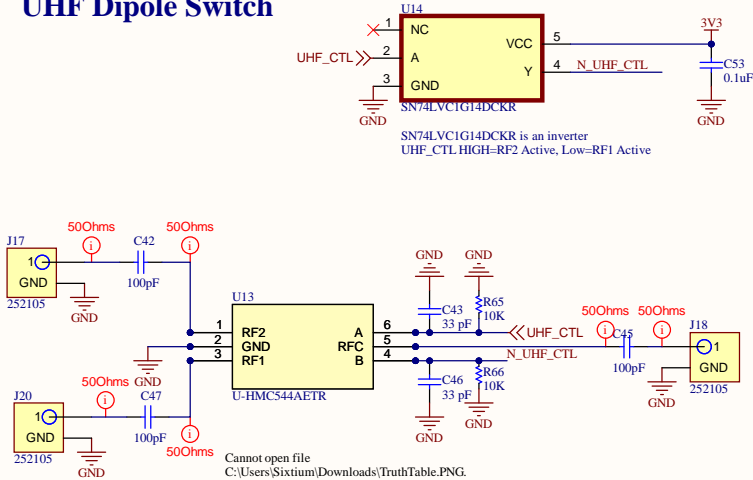


Voltage: 3V3, Typical Standby current: 13 mA  
2W system, 3V3, ~600mA Activated in deployment

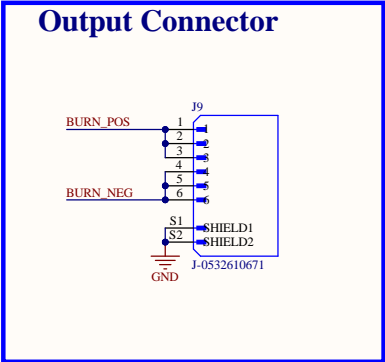
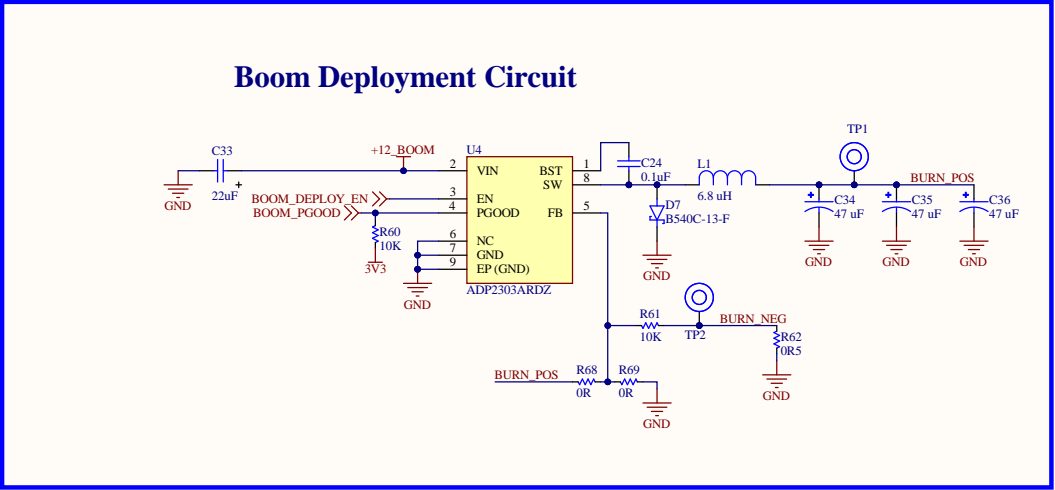
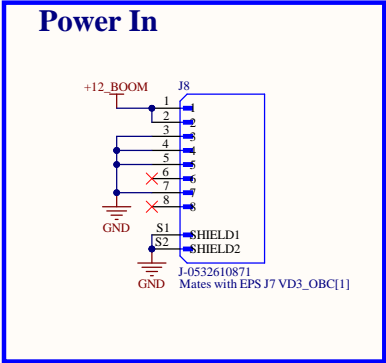
# LoRa WAN EU868 + Antenna



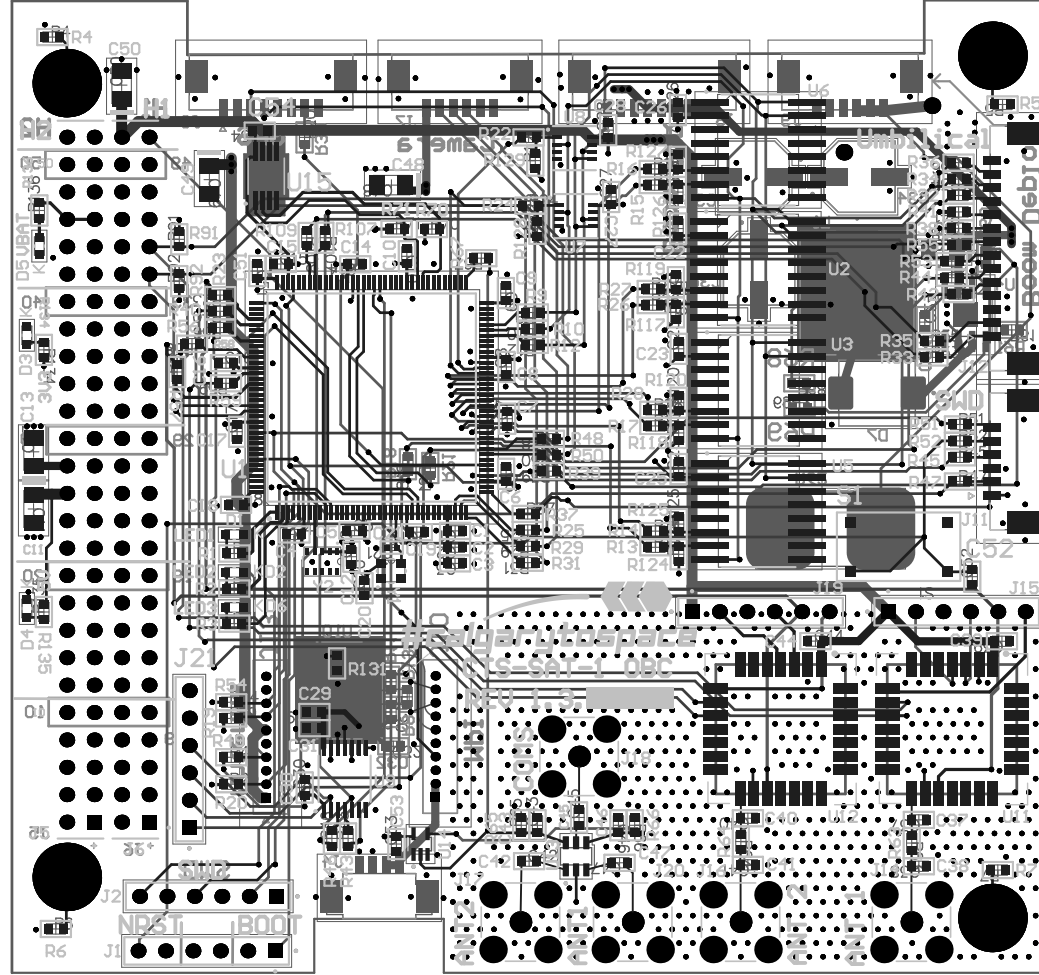
# UHF Dipole Switch



Title			Antenna and Lora		
Size	Number			Revision	
A3					
Date:	4-27-2024			Sheet of	
File:	C:\Users\...Antenna and LoRa.SchDoc			Drawn By: James Chen	
7			8		



Title				Boom Control		
Size	Number		Revision			
A3						
Date:	4-27-2024		Sheet of			
File:	C:\Users\james\Documents\Boom Control.SchDoc		Drawn By: James Chen			



# Board Stack Report