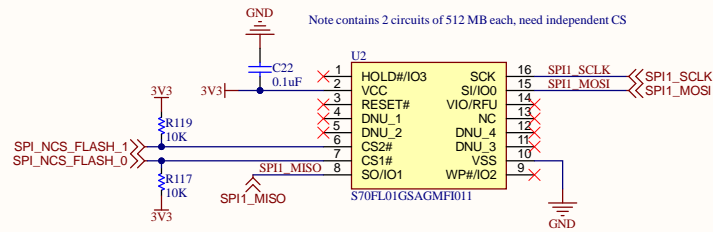
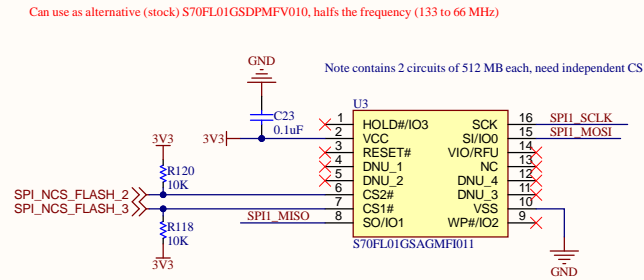


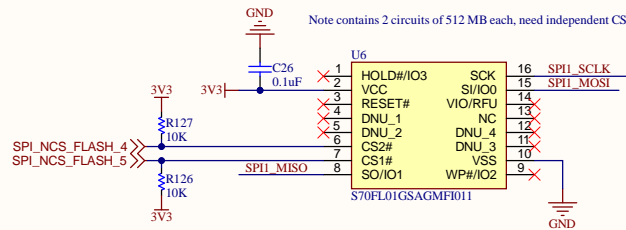
Flash Memory



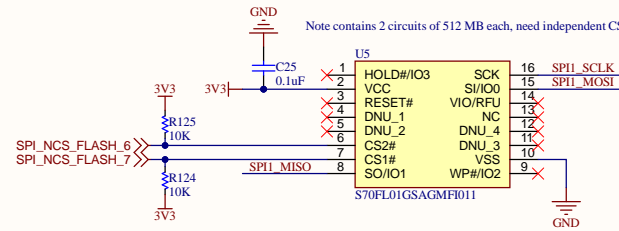
Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA



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

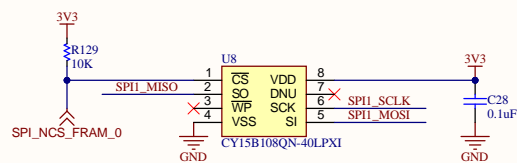


Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA

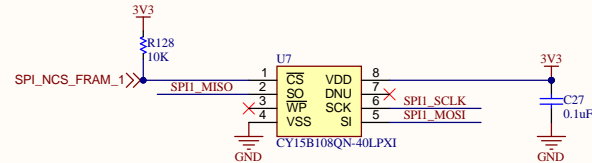


Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA

FRAM Memory



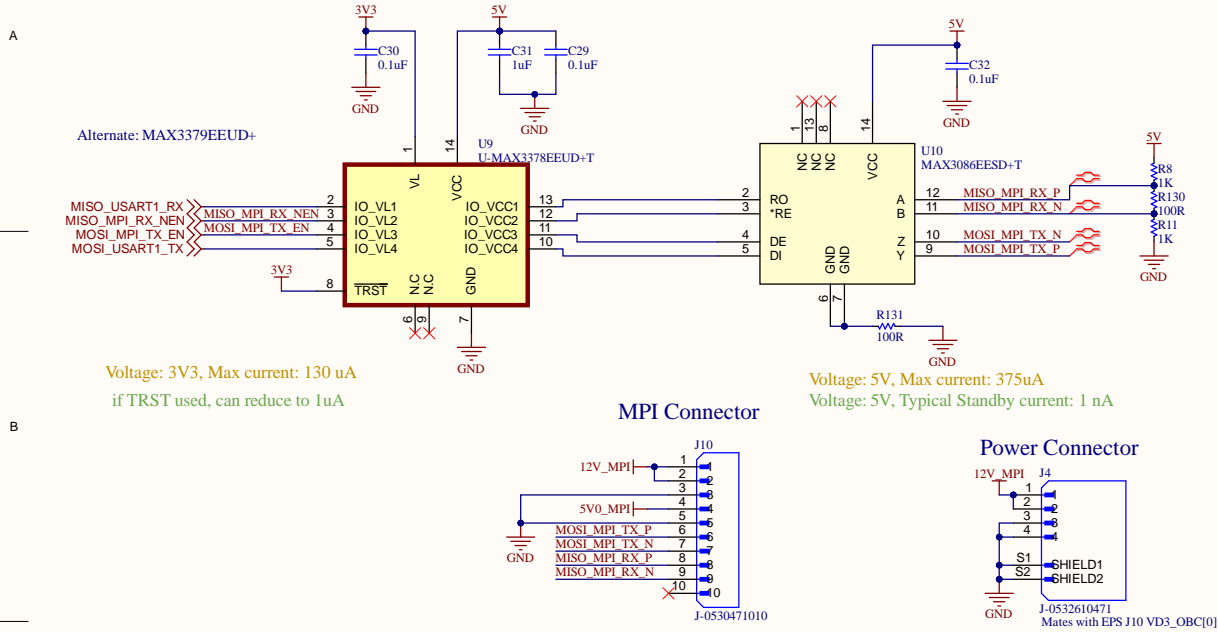
Voltage: 3V3, Typical current: 2.6 mA
Voltage: 3V3, Typical Standby current: 3.5 uA



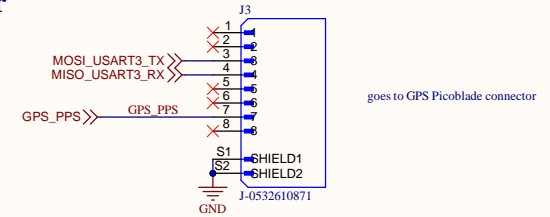
Voltage: 3V3, Typical current: 2.6 mA
Voltage: 3V3, Typical Standby current: 3.5 uA

Title Memory		
Size A3	Number	Revision
Date: 1-13-2024	Sheet of	
File: C:\Users\...\Memory.SchDoc	Drawn By: James Chen	
7	8	

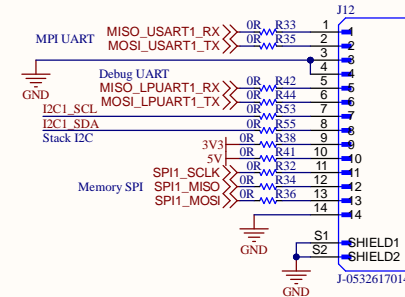
MPI RS422 Transceiver + Connector



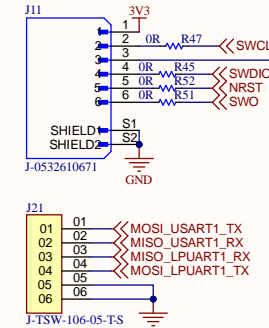
GPS connector



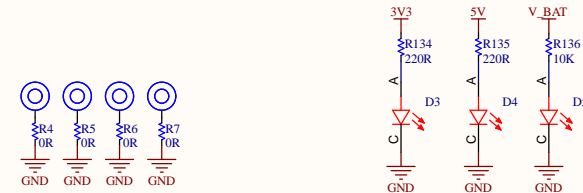
Umbilical connector



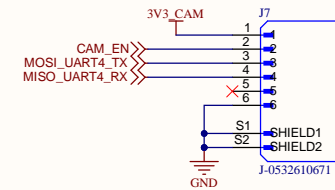
Programming Connector



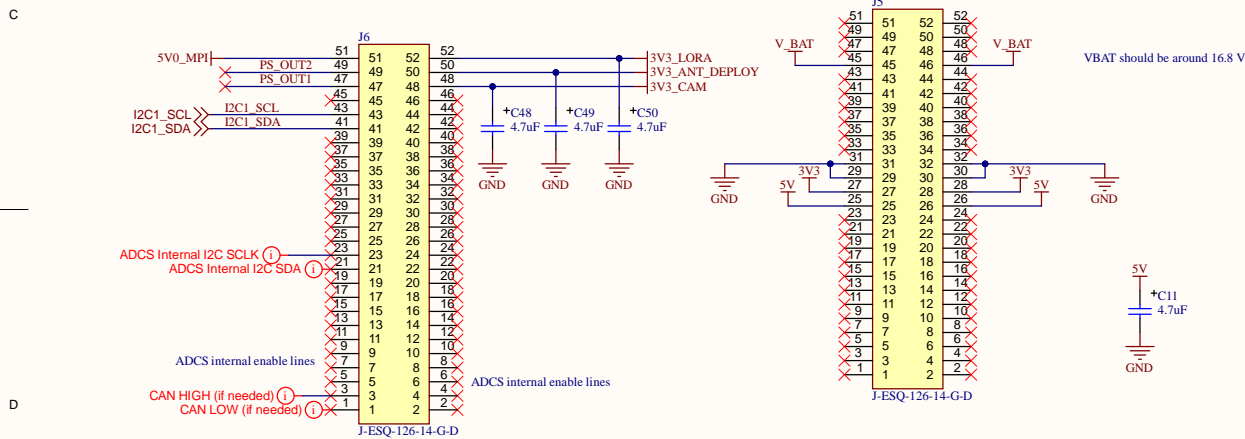
Voltage Indicator LEDs



Camera Connector



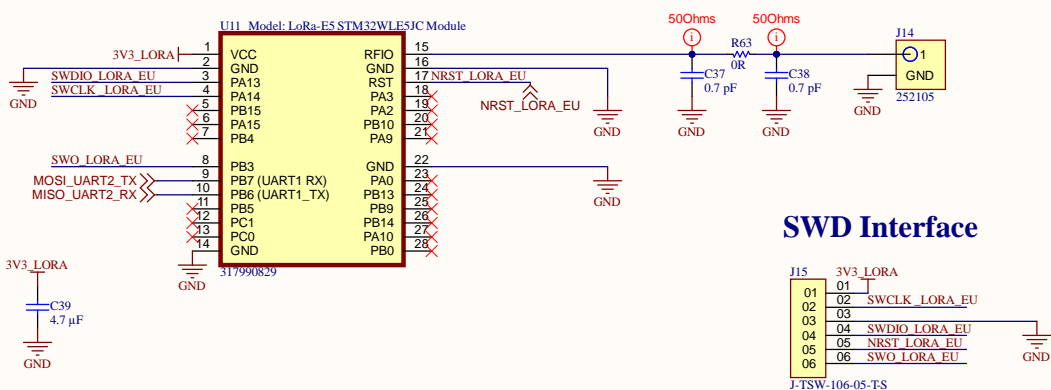
H1 PC104 Connector



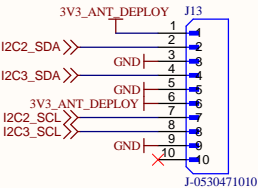
External Connectors

Size	Number	Revision
A3		
Date:	1-13-2024	Sheet of
File:	C:\Users\...\External Connectors Sch	Drawn By: James Chen

LoRa WAN US915 + Antenna

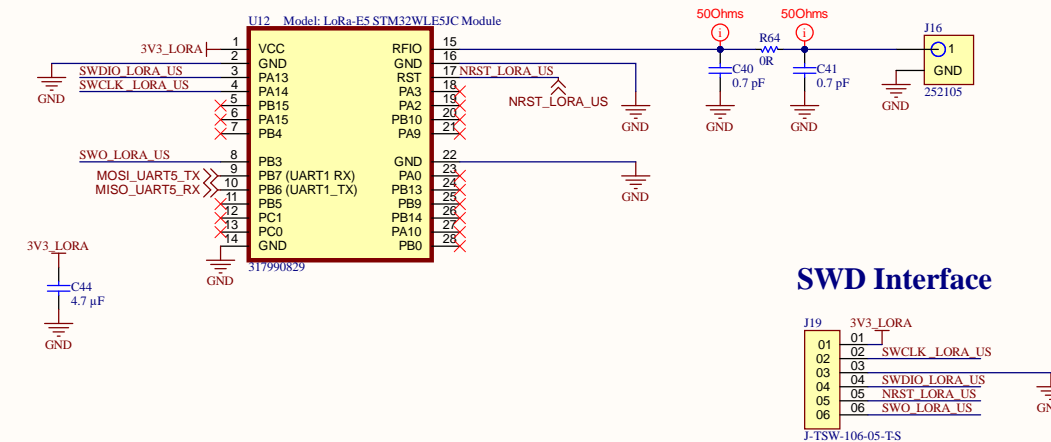


Antenna Connector (9 pin)

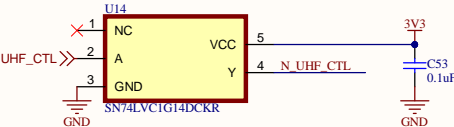


Voltage: 3V3, Typical Standby current: 13 mA
2W system, 3V3, ~600mA Activated in deployment

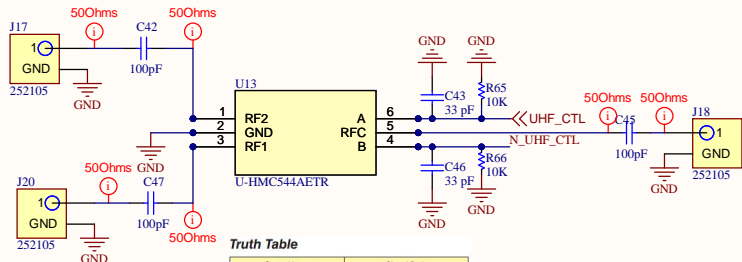
LoRa WAN EU868 + Antenna



UHF Dipole Switch



SN74LVC1G14DCKR is an inverter
UHF_CTL HIGH=RF2 Active, Low=RF1 Active



Antenna Deployment

Title	Antenna Deployment
Size	A3
Number	
Revision	
Date:	1-13-2024
File:	C:\Users\...Antenna and LoRa.SchDot
Drawn By:	James Chen

