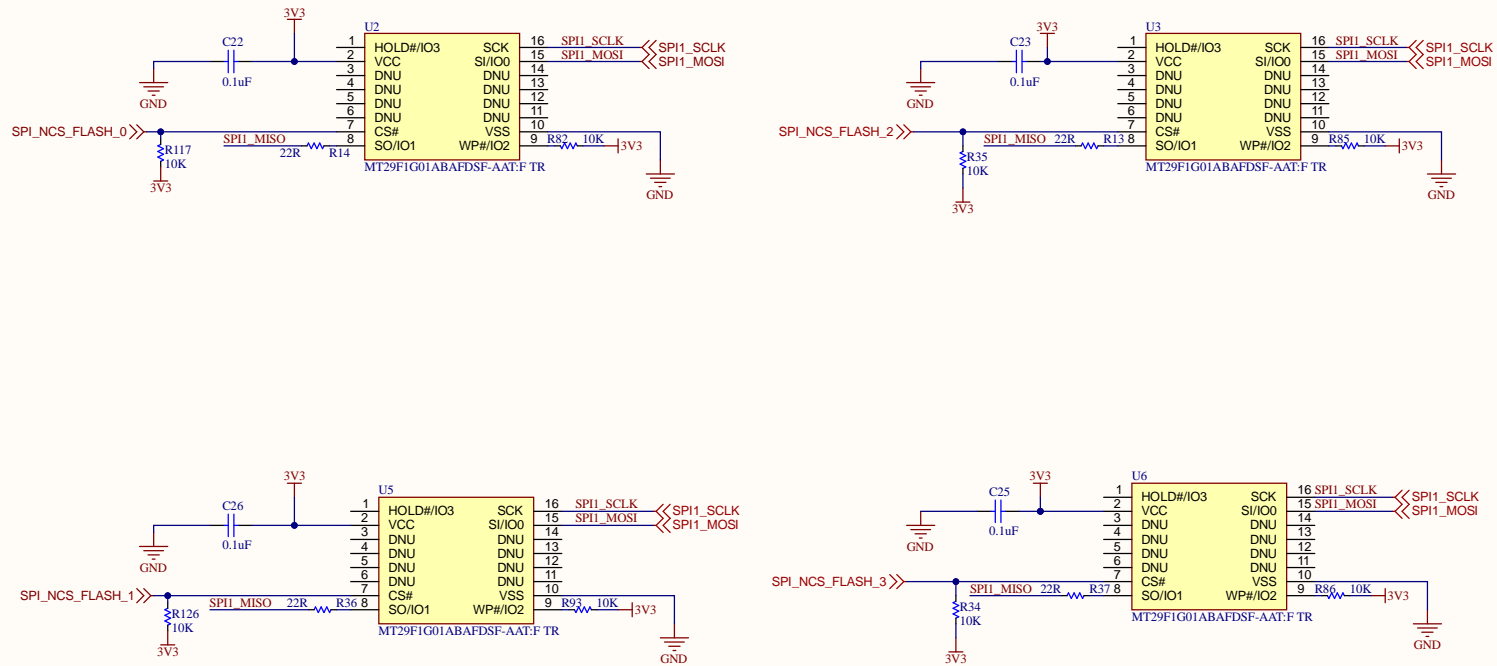
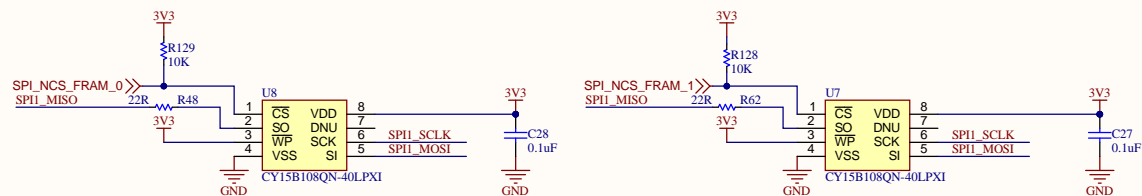


Flash Memory



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

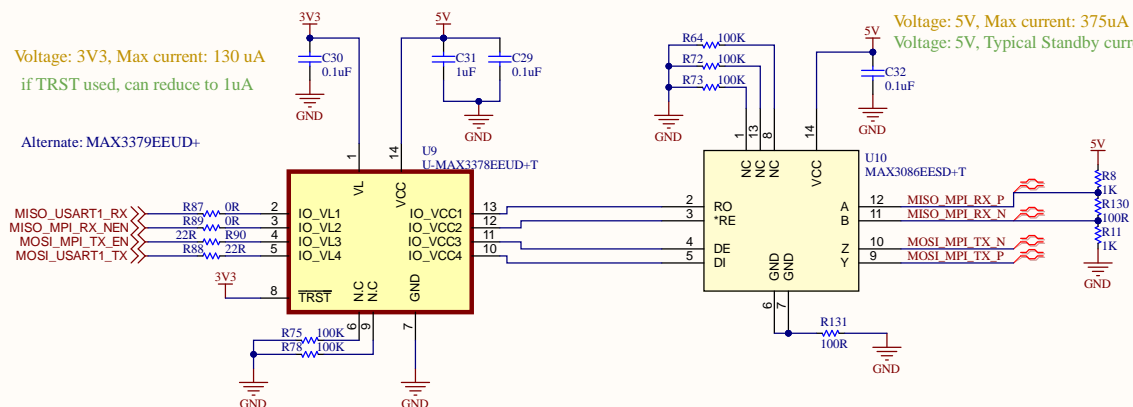
Title Memory		
Size A3	Number Rev1.4	Revision Rev1.4
Date: 5-26-2025	Sheet 1 of 4	
File: C:\Users\...Memory.SchDoc		Drawn By: James Chen

MPI RS422 Transceiver + Connector

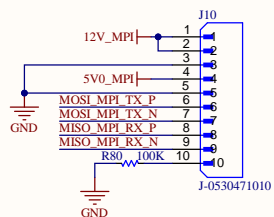
Voltage: 3V3, Max current: 130 uA
if TRST used, can reduce to 1uA

Voltage: 5V, Max current: 375uA
Voltage: 5V, Typical Standby current: 1 nA

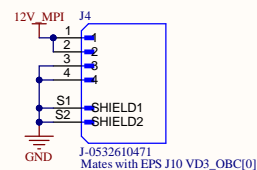
Alternate: MAX3379EEUD+



MPI Connector

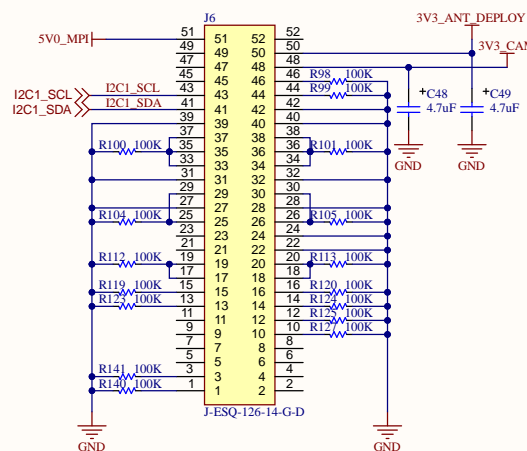


MPI Power

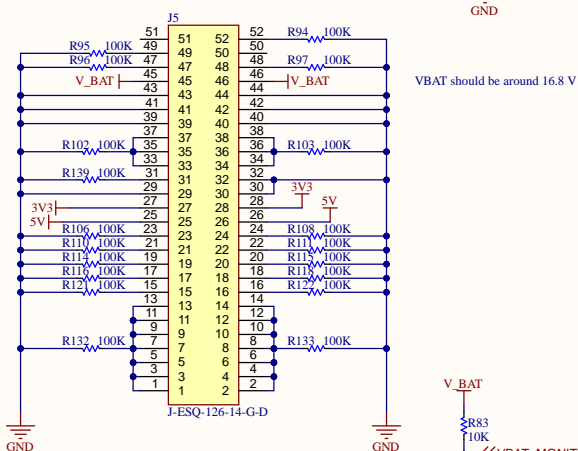


P47 and P49 can also be used as power supplies for other purposes.

H1 PC104 Connector

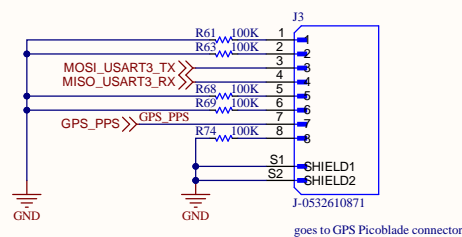


H2 PC104 Connector

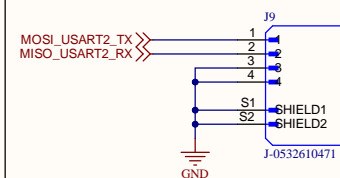


Max Voltage (Software limited): 16V
Max Voltage (Theoretical): 17V

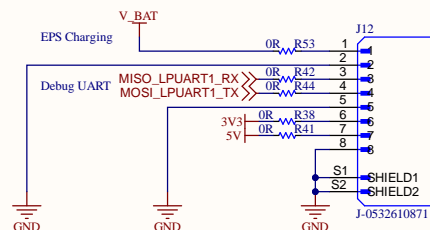
GPS connector



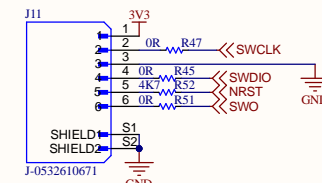
Spare UART



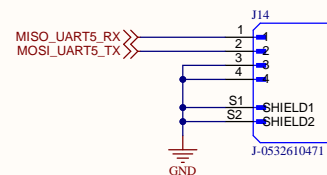
Umblilical connector



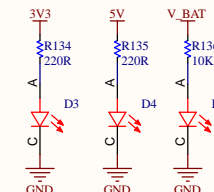
SWD Interface



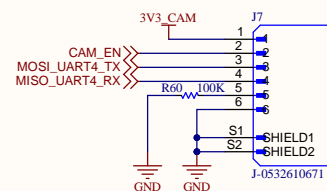
EPS Connector



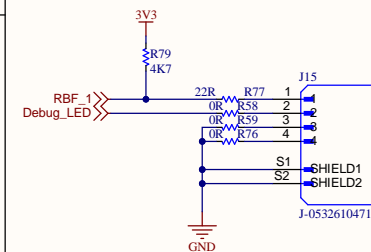
Voltage Indicator LEDs



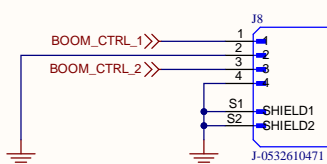
Camera Connector



Remove Before Flight



Burn Wire



External Connectors

Title	Size	Number	Revision
A3	Rev1.4	Rev1.4	Rev1.4
Date:	5-26-2025	Sheet 1 of 4	
File:	C:\Users\...External Connectors.SchDoc	Drawn By: James Chen	

A

B

C

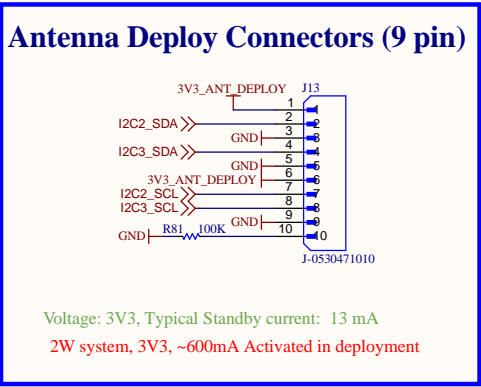
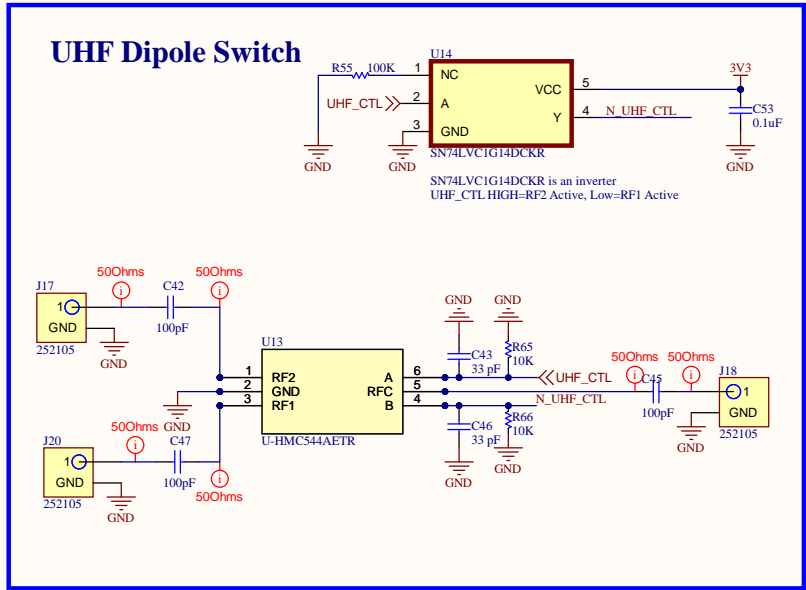
D

A

B

C

D



Title		
Antenna		
Size	Number	Revision
A3	Rev1.4	Rev1.4
Date:	5-26-2025	Sheet 1 of 4
File:	C:\Users\...Antenna and LoRa.SchDot	Drawn By: James Chen