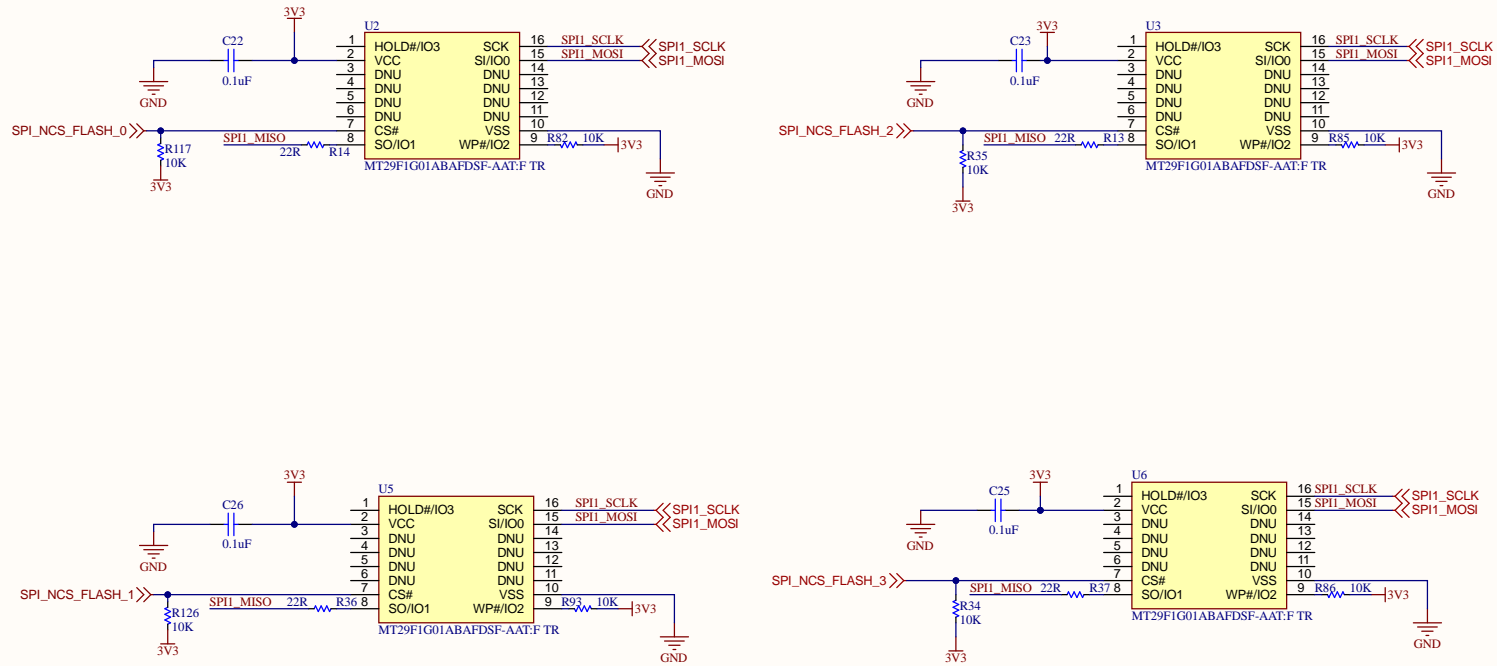
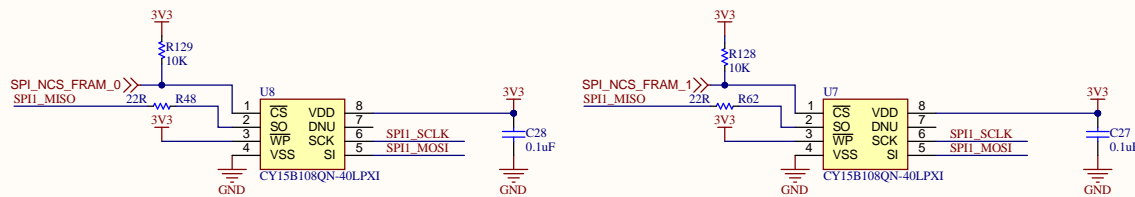




## Flash Memory



## FRAM Memory



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

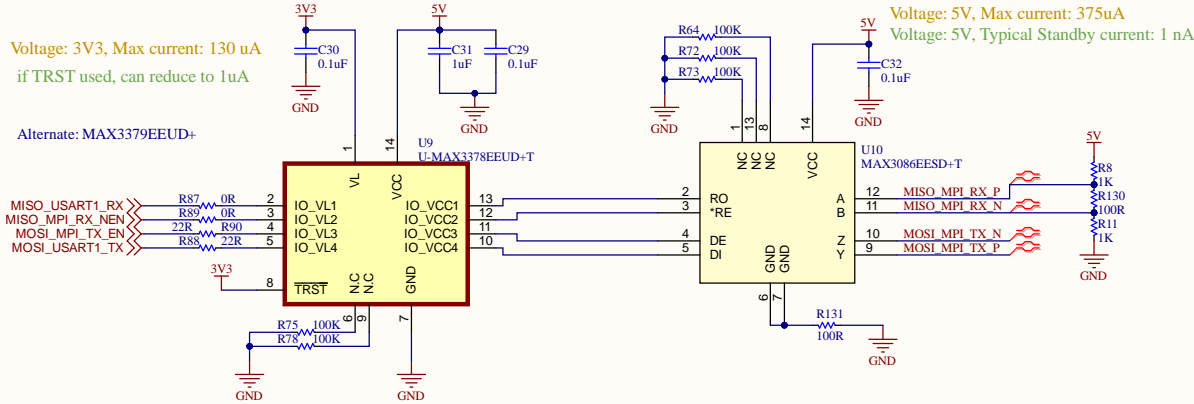
Voltage: 3V3, Typical current: 2.6 mA  
Voltage: 3V3, Typical Standby current: 3.5 uA

Title		
Memory		
Size	Number	Revision
A3	Rev1.4	Rev1.4
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File:	C:\Users\...Memory.SchDoc	Drawn By: James Chen

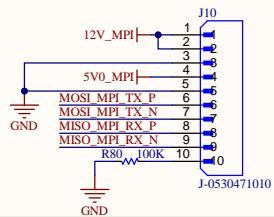
## MPI RS422 Transceiver + Connector

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

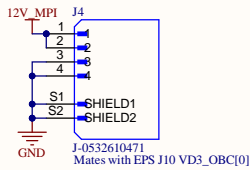
Alternate: MAX3379EEUD+



MPI Connector

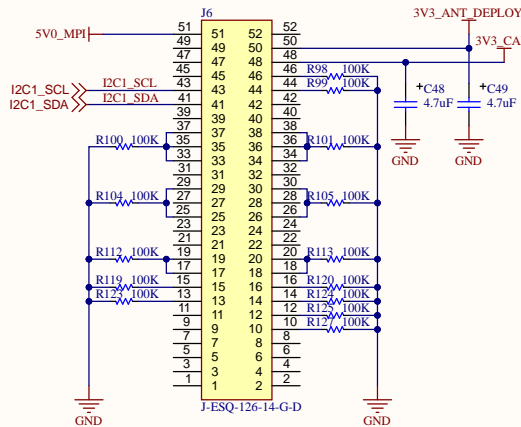


Power Connector

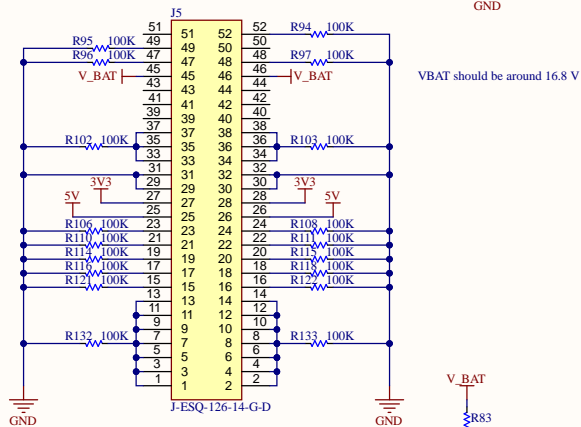


P47 and P49 can also be used as power supplies for other purposes.

## H1 PC104 Connector

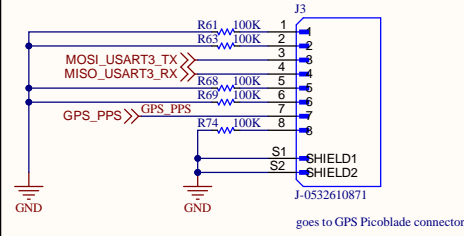


## H2 PC104 Connector

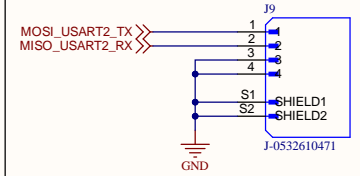


Max Voltage (Software limited): 16V  
Max Voltage (Theoretical): 17V

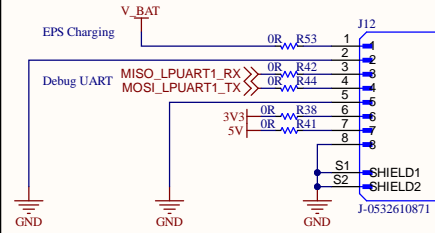
## GPS connector



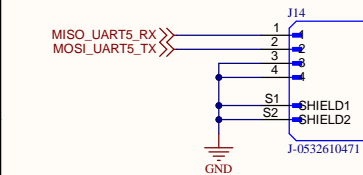
## Spare UART



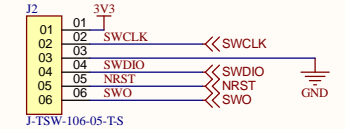
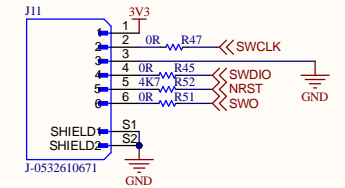
## Umblilical connector



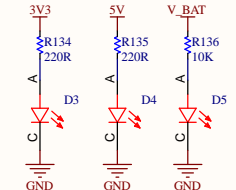
## EPS Connector



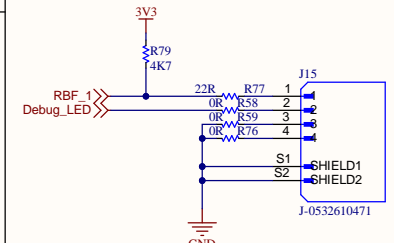
## SWD Interface



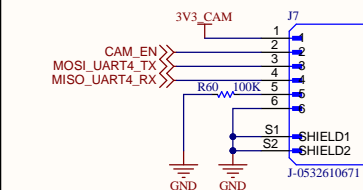
## Voltage Indicator LEDs



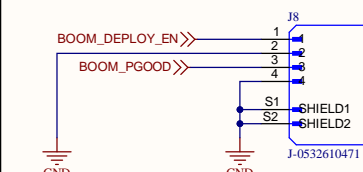
## Remove Before Flight



## Camera Connector



## Burn Wire



## External Connectors

Size	Number	Revision
A3	Rev1.4	Rev1.4
Date:	3-15-2025	Sheet 1 of 4
File:	C:\Users\...External Connectors.SchDoc	Drawn By: James Chen

A

B

C

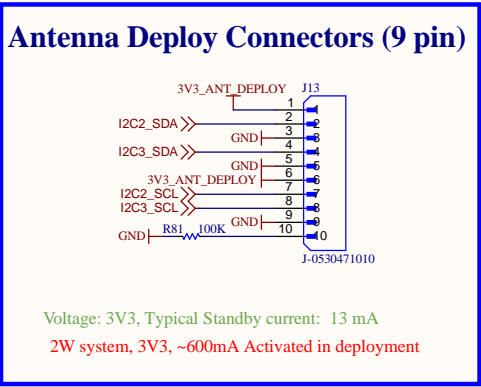
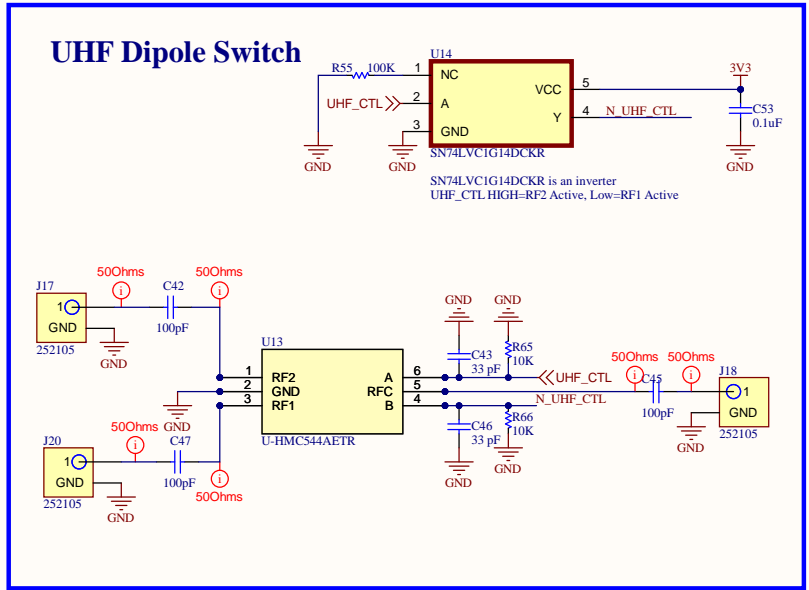
D

A

B

C

D



Title		
Antenna		
Size	Number	Revision
A3	Rev1.4	Rev1.4
Date:	3-15-2025	Sheet 1 of 4
File:	C:\Users\...\Antenna and LoRa.SchDot Drawn By: James Chen	