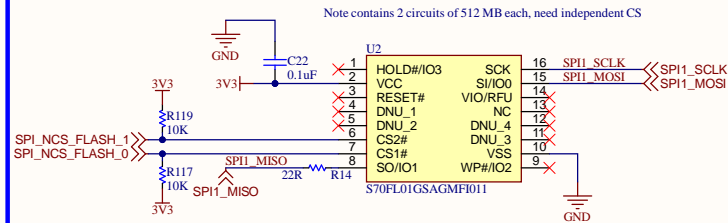
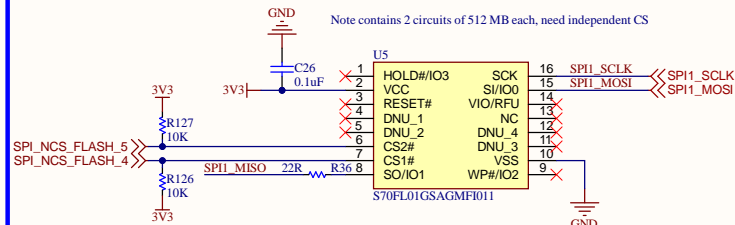
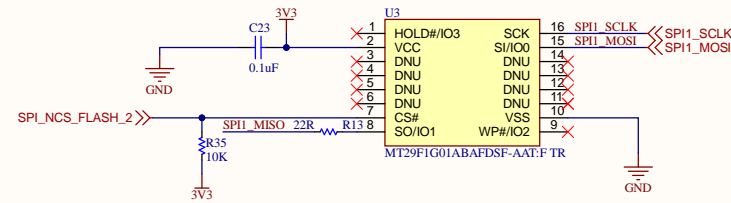


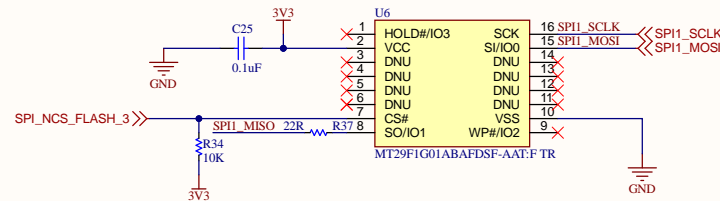
Flash Memory



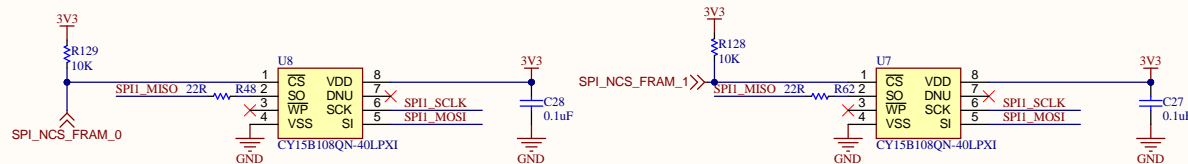
Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA



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



FRAM Memory

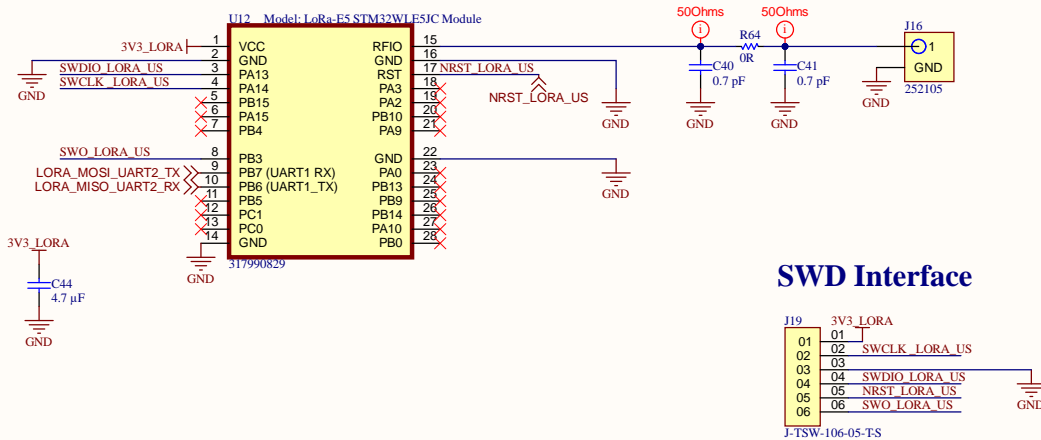


Voltage: 3V3, Typical current: 2.6 mA
Voltage: 3V3, Typical Standby current: 3.5 uA

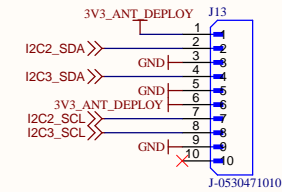
Voltage: 3V3, Typical current: 2.6 mA
Voltage: 3V3, Typical Standby current: 3.5 uA

| | | |
|-------------------------------------|-----------|-------------------|
| Title | | |
| 2. Memory - Rev 1.3 | | |
| Size A3 | Number | Revision |
| Date: 8-01-2024 | Sheet of | |
| File: C:\Users\...\Memory.SchDoc | Drawn By: | <u>James Chen</u> |
| 7 | | 8 |

LoRa WAN US915 + Antenna

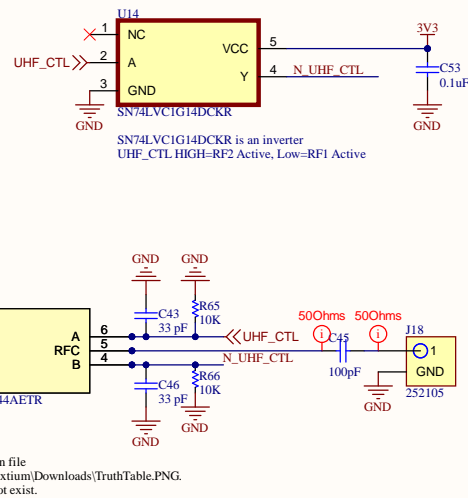


Antenna Deploy Connectors (9 pin)



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

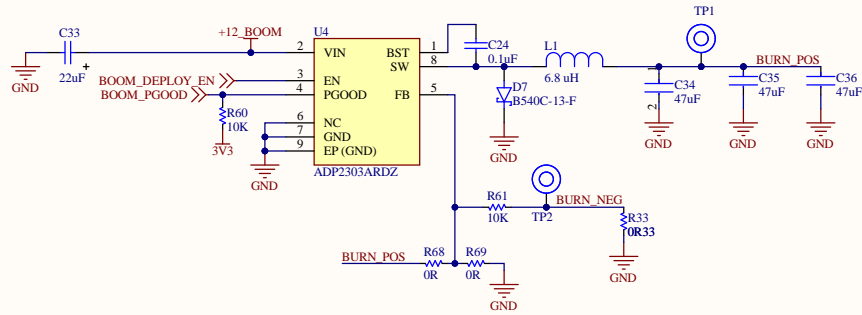
UHF Dipole Switch



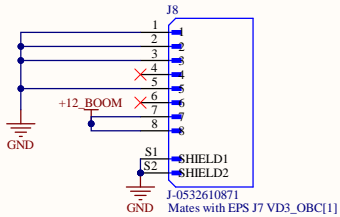
4. Antenna and LoRa - Rev 1.3

| Size | Number | Revision |
|-------|-------------------------------------|----------------------|
| A3 | | |
| Date: | 8-01-2024 | Sheet of |
| File: | C:\Users\...Antenna and LoRa.SchDot | Drawn By: James Chen |

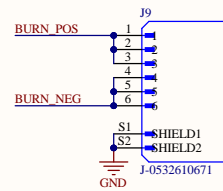
Boom Deployment Circuit



MPI Power In



Output Connector



| | | |
|---------------------------|--------------------------------|----------------------|
| Title | | |
| 5. Boom Control - Rev 1.3 | | |
| Size | Number | Revision |
| A3 | | |
| Date: | 8-01-2024 | Sheet of |
| File: | C:\Users\j\Boom Control.SchDoc | Drawn By: James Chen |