

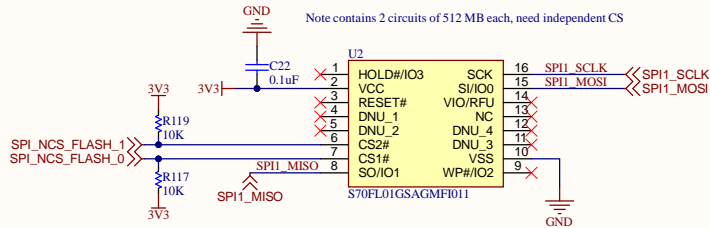
25 MHz TCXO: XTAL OSC TCXO 25.0000MHZ HCMOS
32.768 KHz Oscillator: SER4422CT-ND

STM32

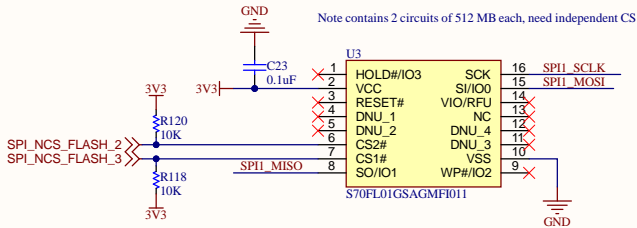
Size	Number	Revision
A3		
Date:	12-19-2023	Sheet of
File:	C:\Users\STM32\SchDoc	Drawn By:

Flash Memory

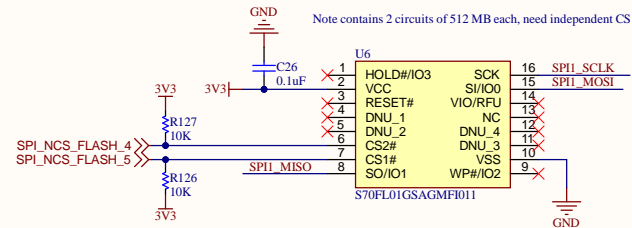
Can use as alternative (stock) S70FL01GSDPMFV010, halves the frequency (133 to 66 MHz)



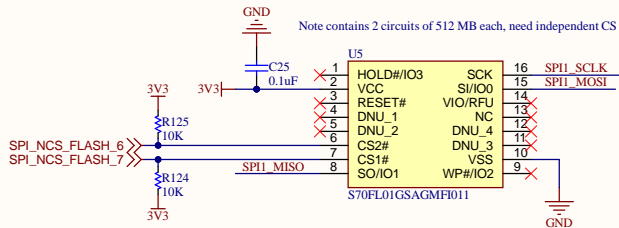
Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA



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

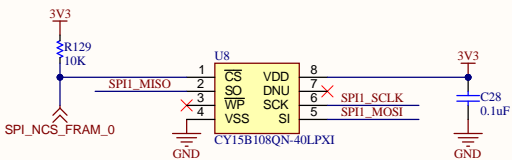


Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA

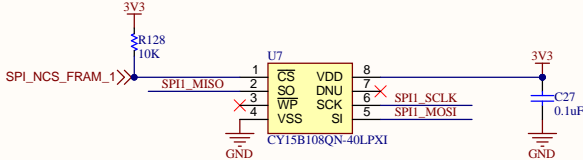


Voltage: 3V3, Max current: 90 mA
Voltage: 3V3, Typical Standby current: 140 uA

FRAM Memory



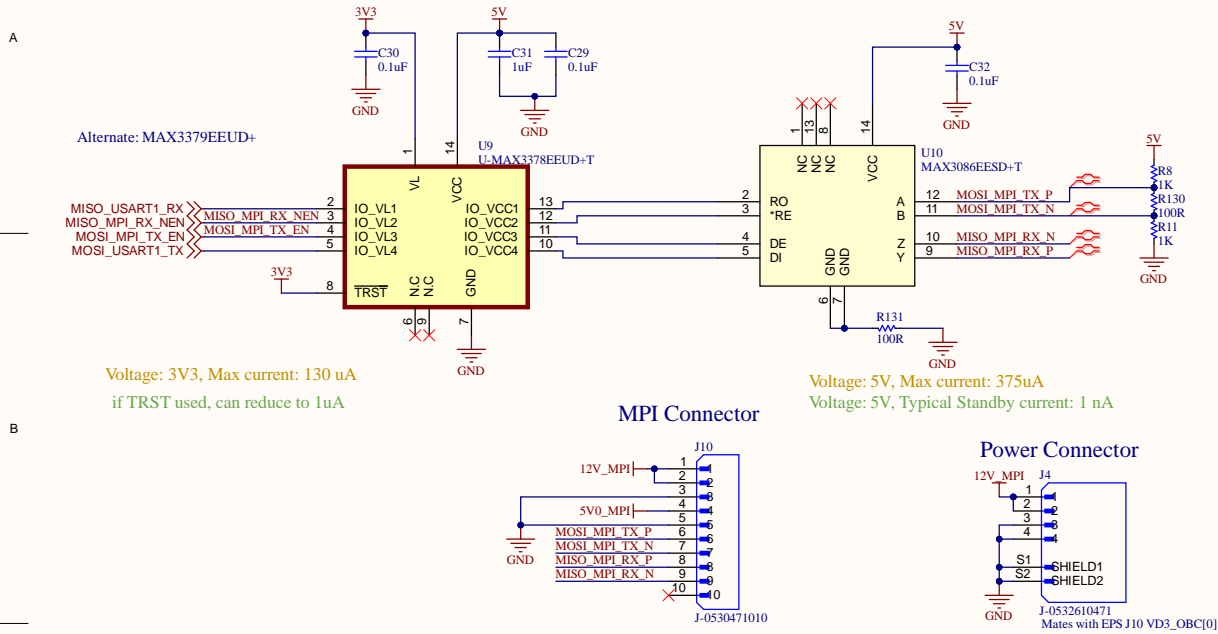
Voltage: 3V3, Typical current: 2.6 mA
Voltage: 3V3, Typical Standby current: 3.5 uA



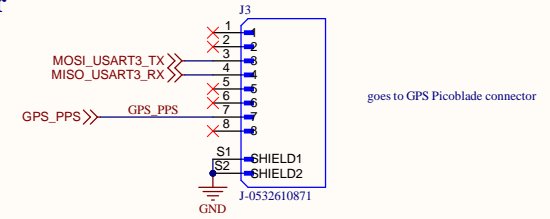
Voltage: 3V3, Typical current: 2.6 mA
Voltage: 3V3, Typical Standby current: 3.5 uA

Title		
Memory		
Size	Number	Revision
A3		
Date:	12-19-2023	Sheet of
File:	C:\Users\...Memory.SchDoc	Drawn By: James Chen
	7	8

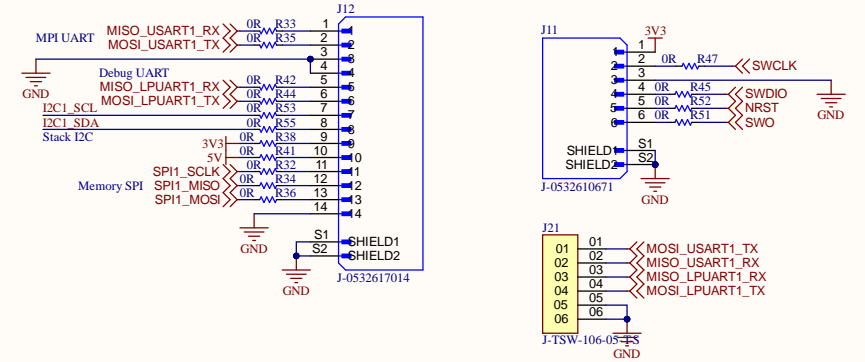
MPI RS422 Transceiver + Connector



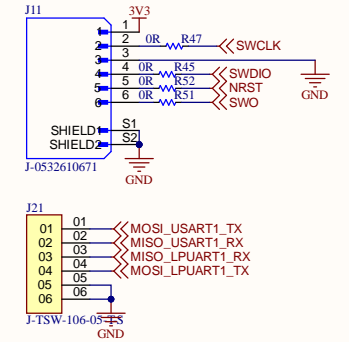
GPS connector



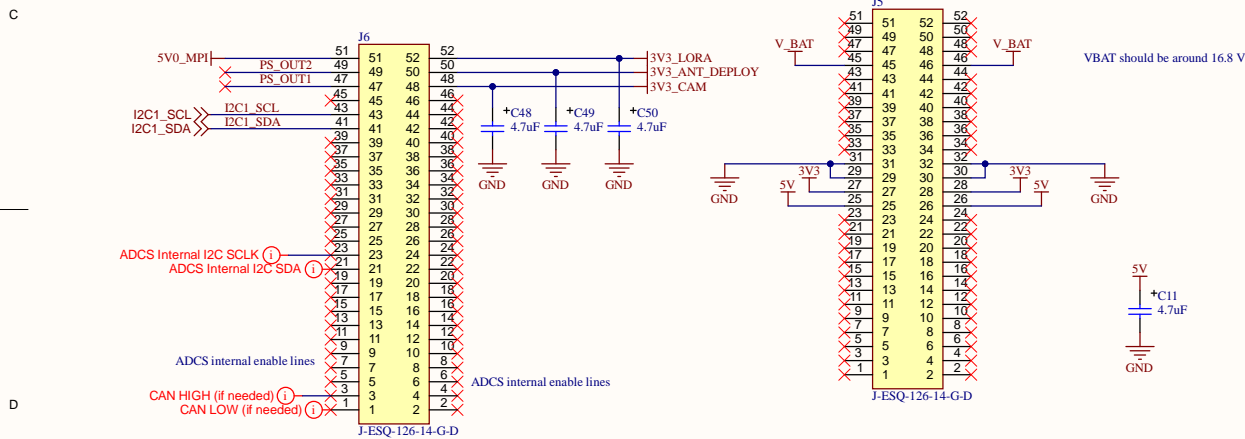
Umbilical connector



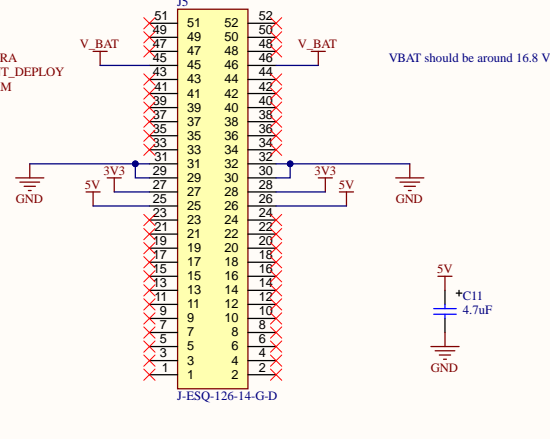
Programming Connector



H1 PC104 Connector



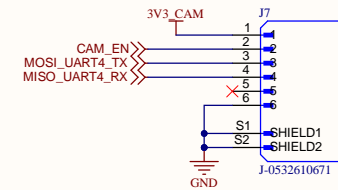
H2 PC104 Connector



Voltage Indicator LEDs



Camera Connector

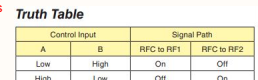
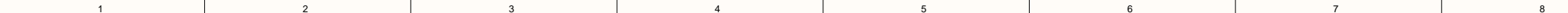


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File:	C:\Users\...\External Connectors Sch.D	Drawn By: James Chen

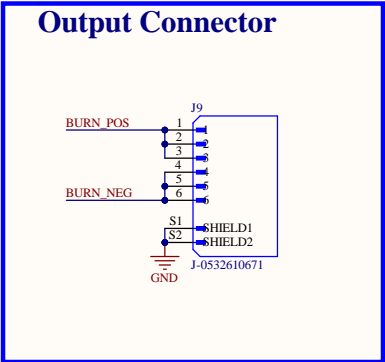
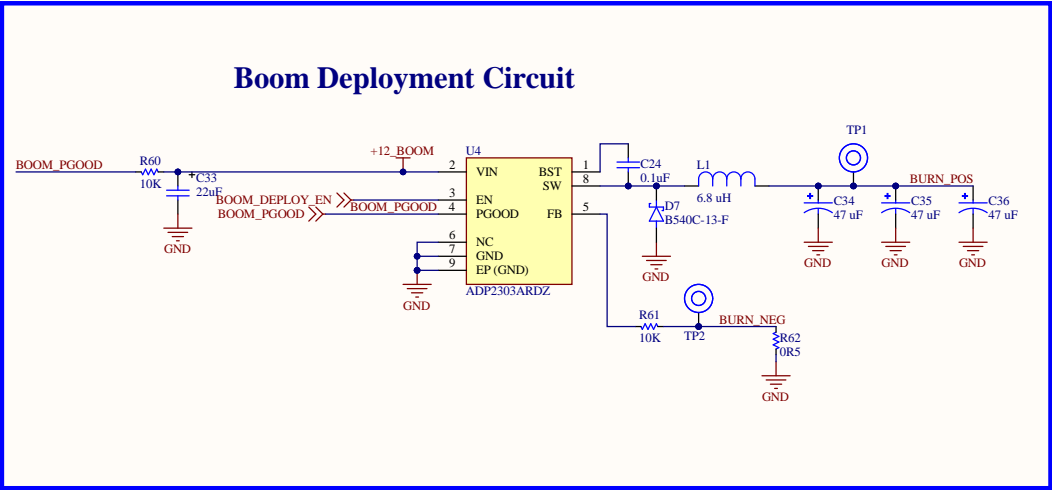
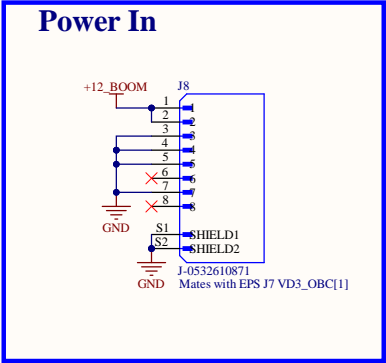
B



D



Title			Antenna Deployment		
Size	Number	Revision			
A3					
Date:	12-19-2023	Sheet of			
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Title		
Motor Control		
Size	Number	Revision
A3		
Date:	12-19-2023	Sheet of
File:	C:\Users\j\Boom Control.SchDoc	Drawn By: James Chen