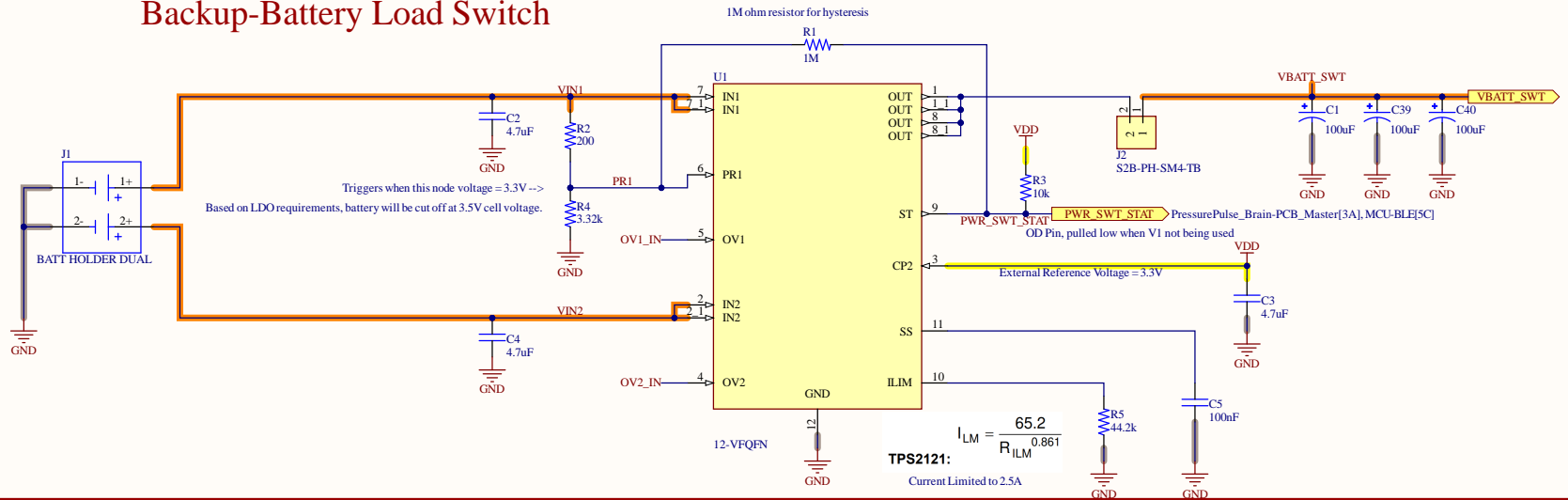
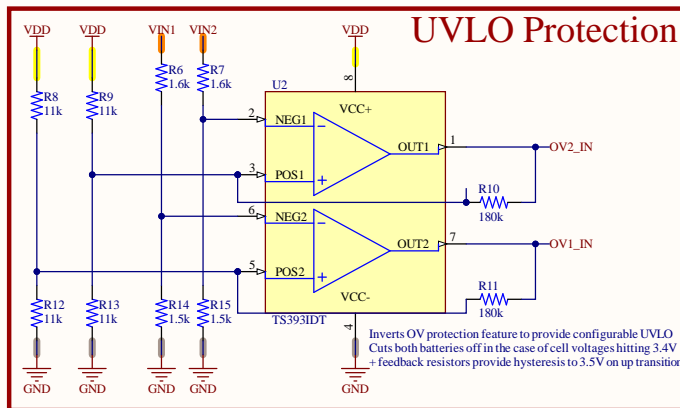


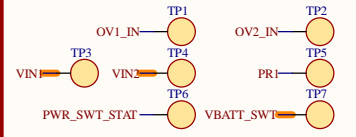
Backup-Battery Load Switch



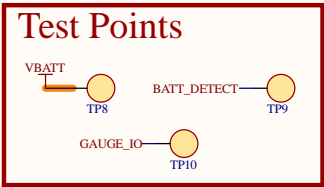
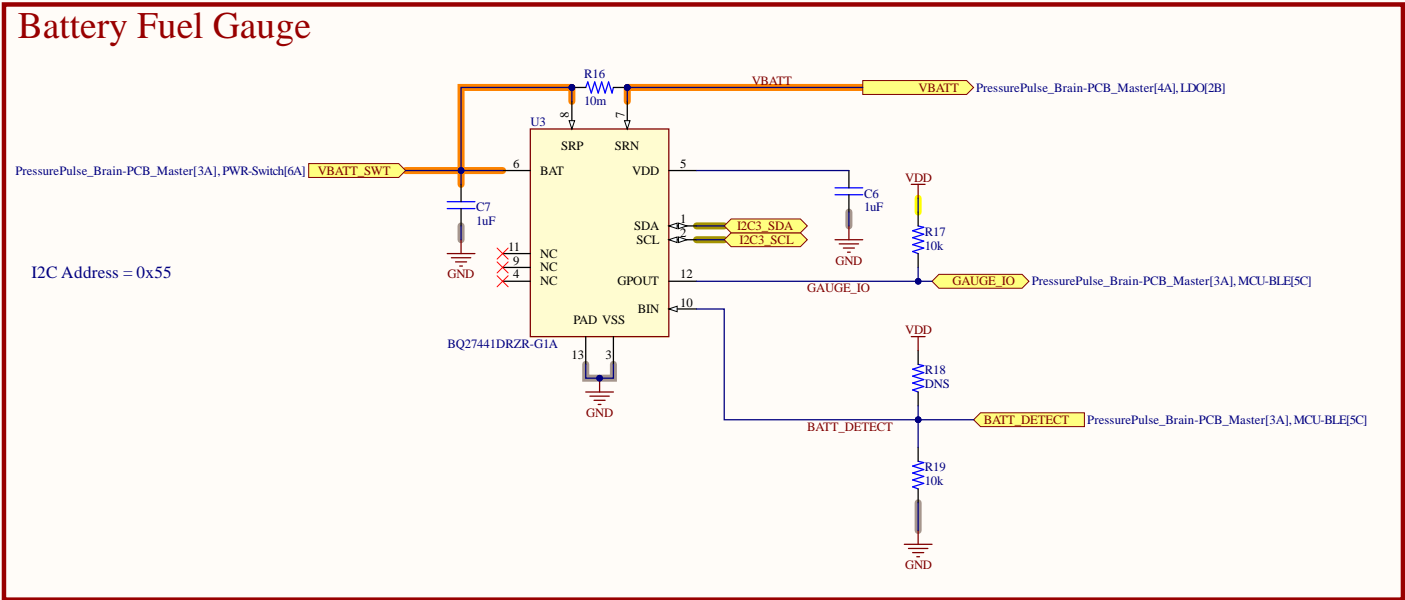
UVLO Protection



Test Points

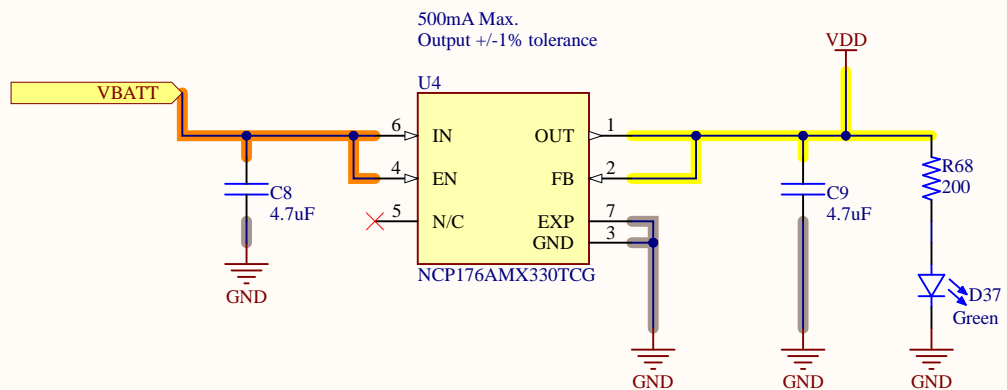


Title		
Size	Number	Revision
B		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\PWR-Switch.SchDoc	Drawn By:

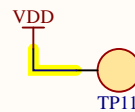


Title		
Size B	Number	Revision
Date: 2/22/2024	Sheet of	
File: C:\Users\...\Fuel-Gauge.SchDoc	Drawn By:	

+3.3V LDO

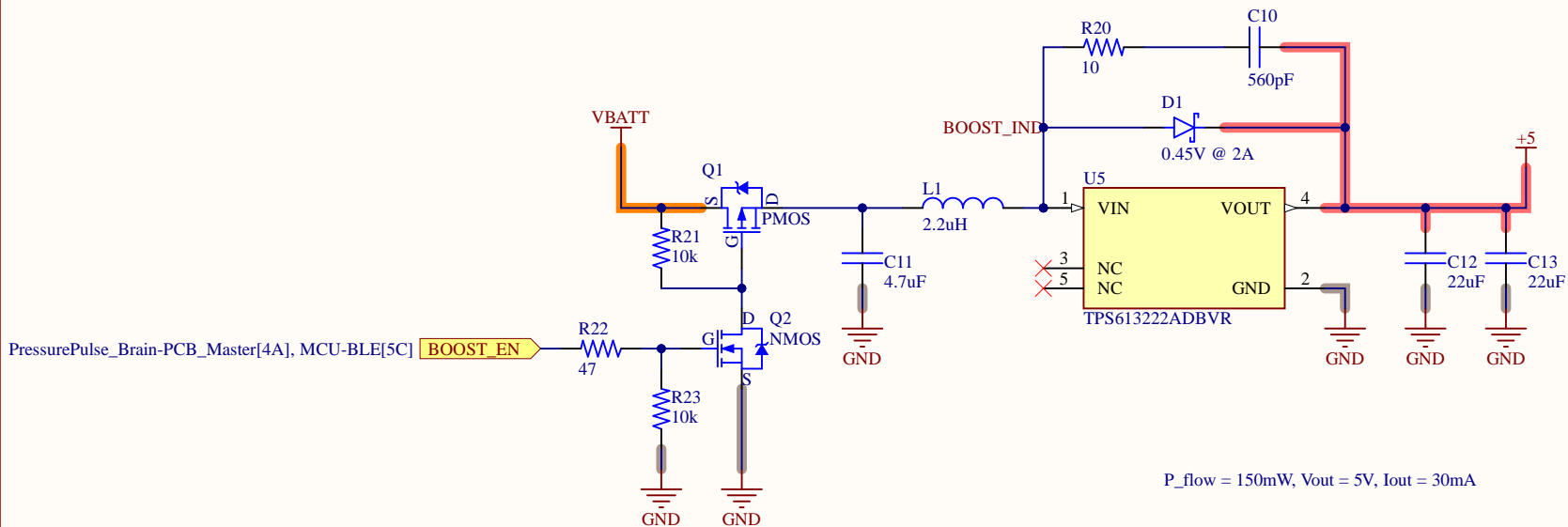


Test Point



Title		
Size	Number	Revision
A		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\LDO.SchDoc	Drawn By:

Boost Converter, +5V Output

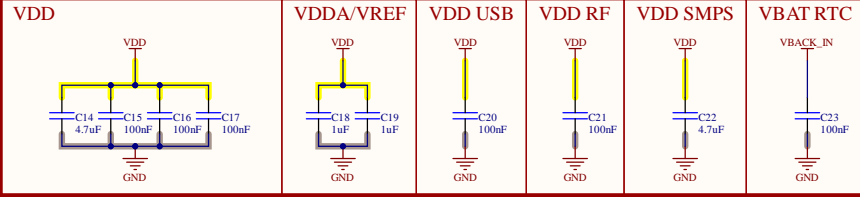


Test Points

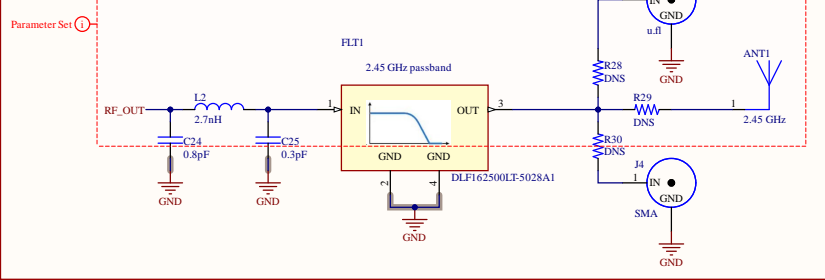


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A		
Date:	2/22/2024	Sheet of
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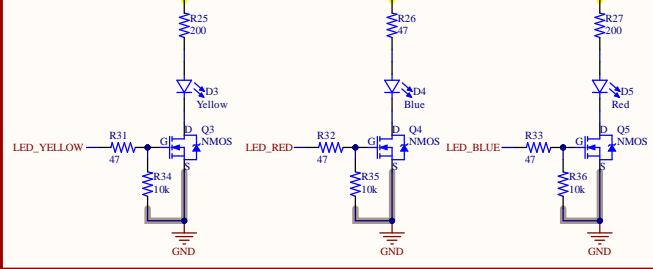
Decoupling



RF Front-End

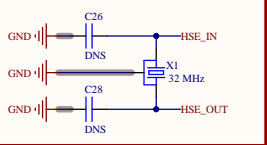


UI LEDs

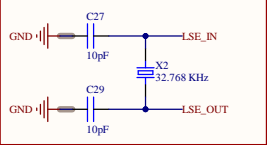


MCU has on-board cap. tuning, so load capacitors are DNS for HSE

HSE Crystal



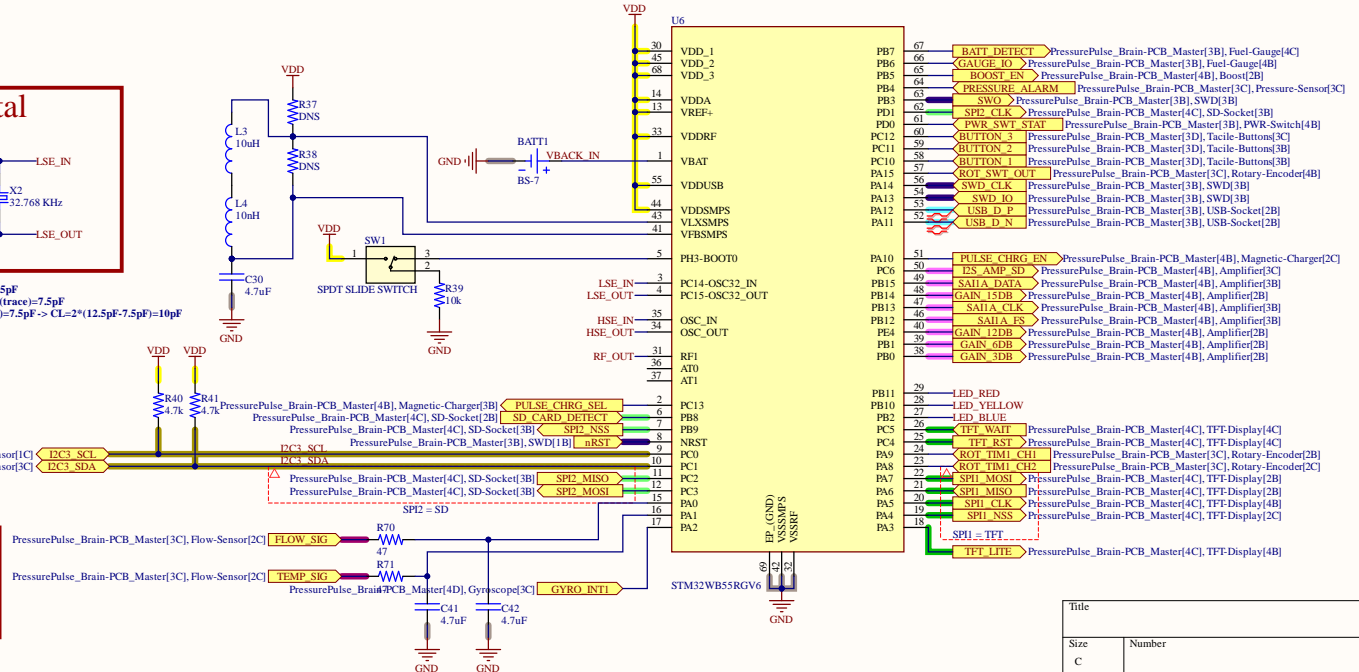
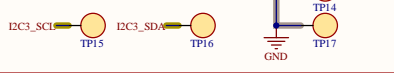
LSE Crystal



$C(MCU Pin) = 5pF$, $C(trace) = 2.5pF$
 $C(parasitic) = C(MCU Pin) + C(trace) = 7.5pF$
 $CL(XTAL) = 12.5pF$, $C(parasitic) = 7.5pF \rightarrow CL = 2 * (12.5pF - 7.5pF) = 10pF$

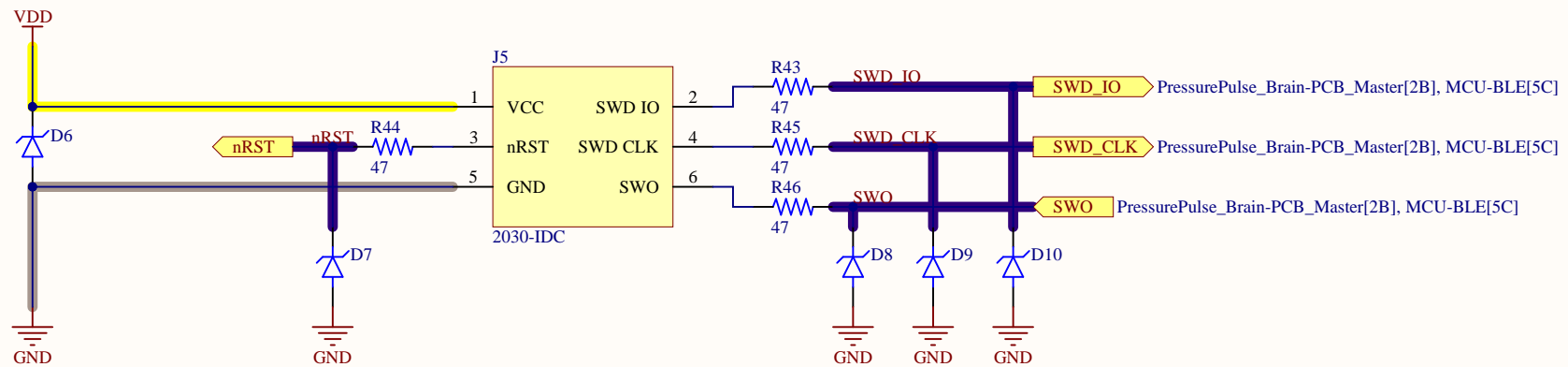
PressurePulse_Brain-PCB_Master[3C], Flow-Sensor[2C], Fuel-Gauge[4B], Gyroscopic[1C], Pressure-Sensor[1C]
PressurePulse_Brain-PCB_Master[3C], Flow-Sensor[3C], Fuel-Gauge[4B], Gyroscopic[1C], Pressure-Sensor[3C]

Test Points

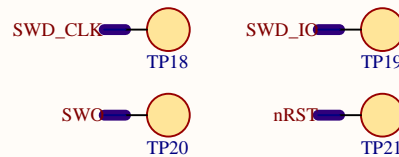


Title		
Size	Number	Revision
C		
Date:	2/22/2024	Sheet of
File:	C:\Users\JMCU-BLE\SchDoc	Drawn By:

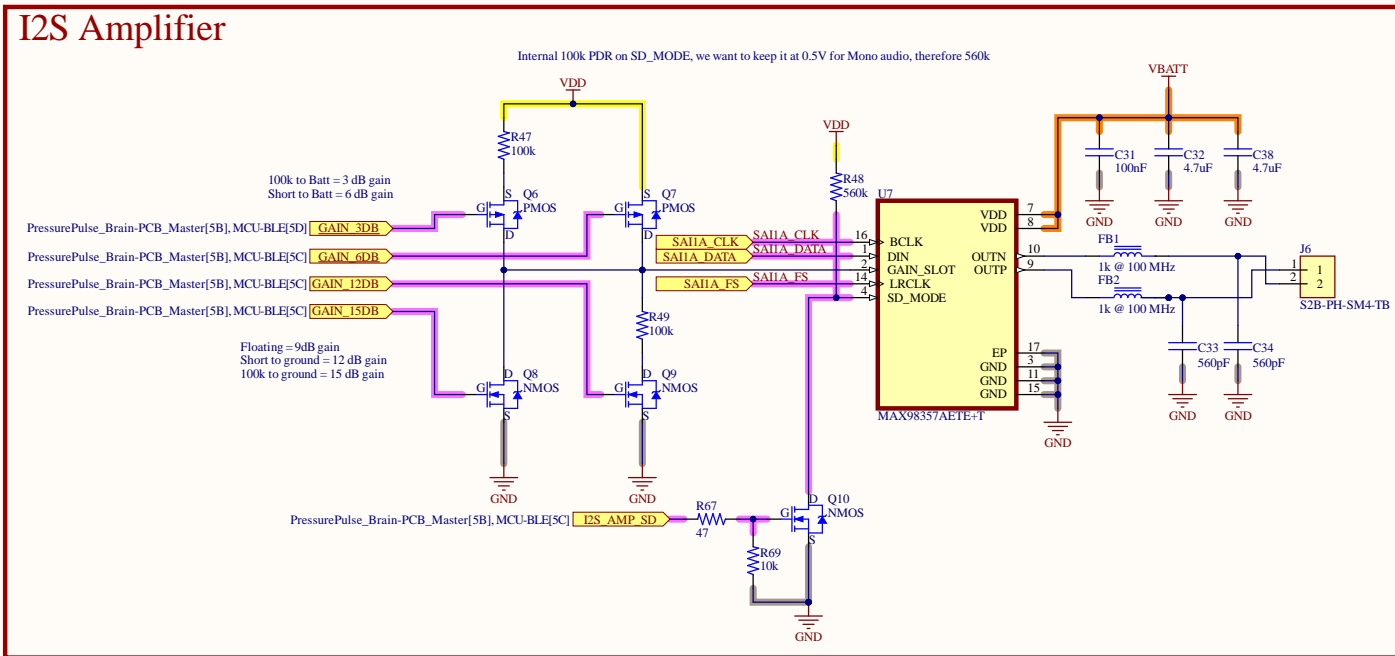
SWD Header



Test Points



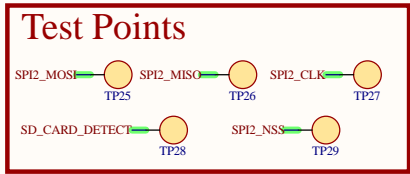
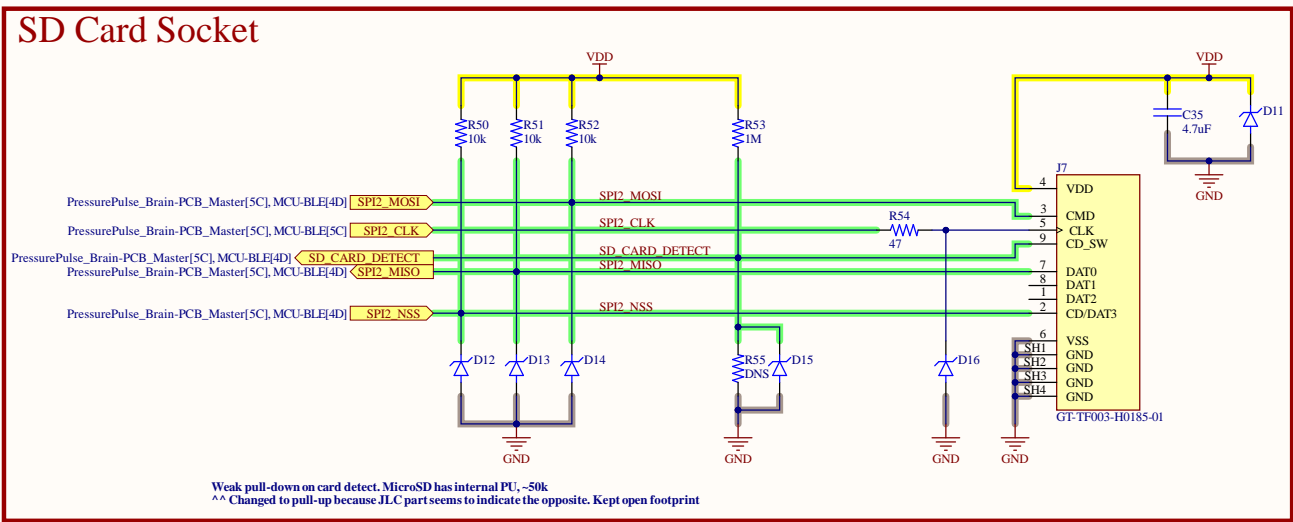
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A		
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Test Points

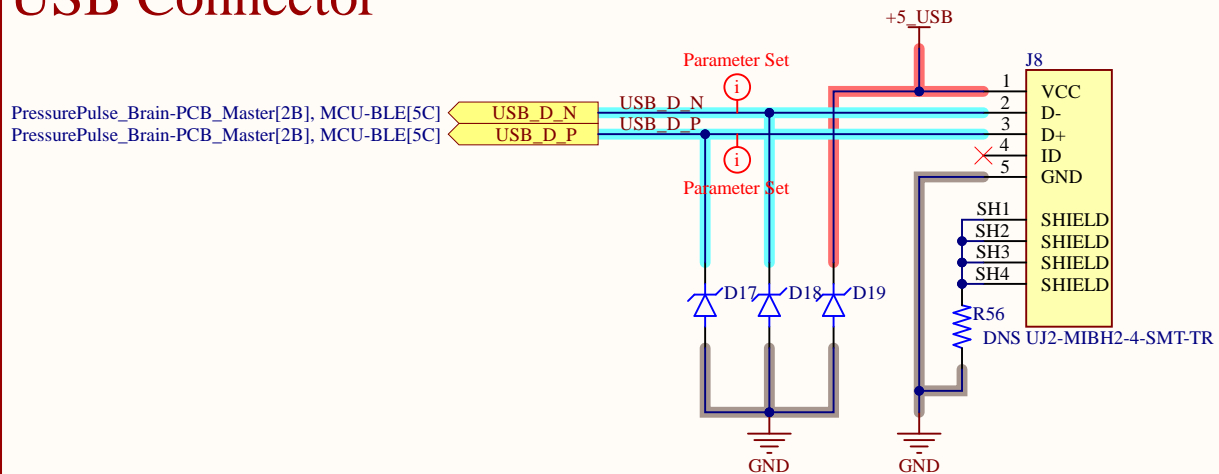


Title		
Size	Number	Revision
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Date:	2/22/2024	Sheet of
File:	C:\Users\...\Amplifier.SchDoc	Drawn By:

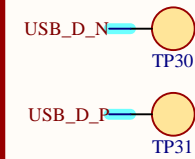


Title		
Size	Number	Revision
B		
Date:	2/22/2024	Sheet of
File:	C:\Users\SD-Socket.SchDoc	Drawn By:

USB Connector

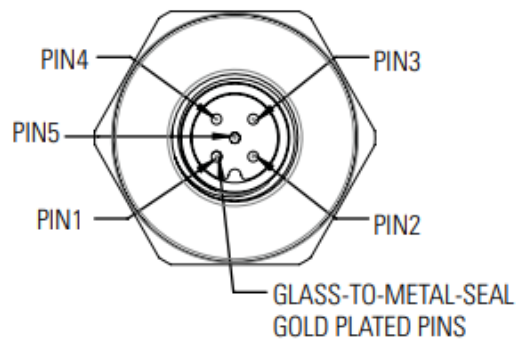


Test Points



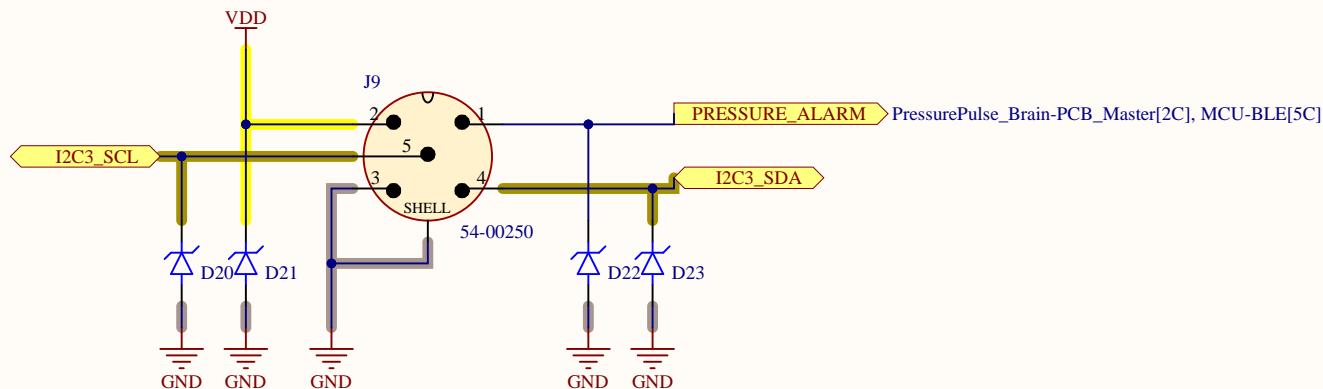
Title		
Size	Number	Revision
A		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\USB-Socket.SchDoc	Drawn By:

M12x1 5-POLE IP69K



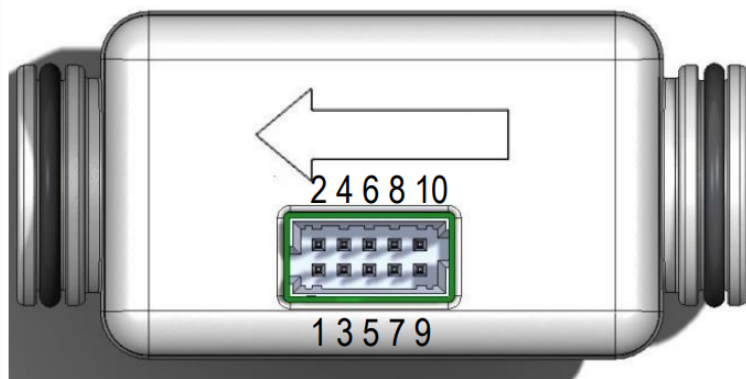
Pin Number	Description
1	(ALARM)
2	VSUPPLY
3	GND
4	SDA
5	SDC

Pressure Sensor Connector



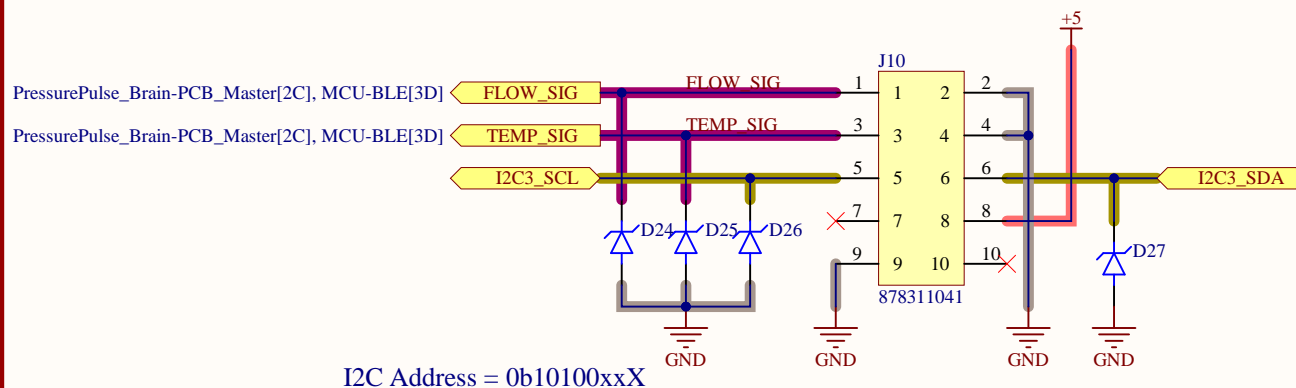
I2C Address = 0xDA or 0x6C (unclear)

Title		
Size A	Number	Revision
Date: 2/22/2024	Sheet of	
File: C:\Users\...\Pressure-Sensor.SchDoc	Drawn By:	

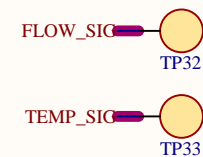


Pin	Description	Pin	Description
1	Flow signal	2	Connect to GND, Pin 9
3	Temperature signal	4	Analog GND
5	EEPROM SCL	6	EEPROM SDA
7	Not connected	8	VDD (5V)
9	Power Supply GND	10	Not connected

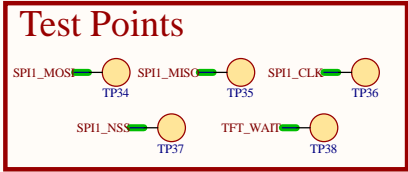
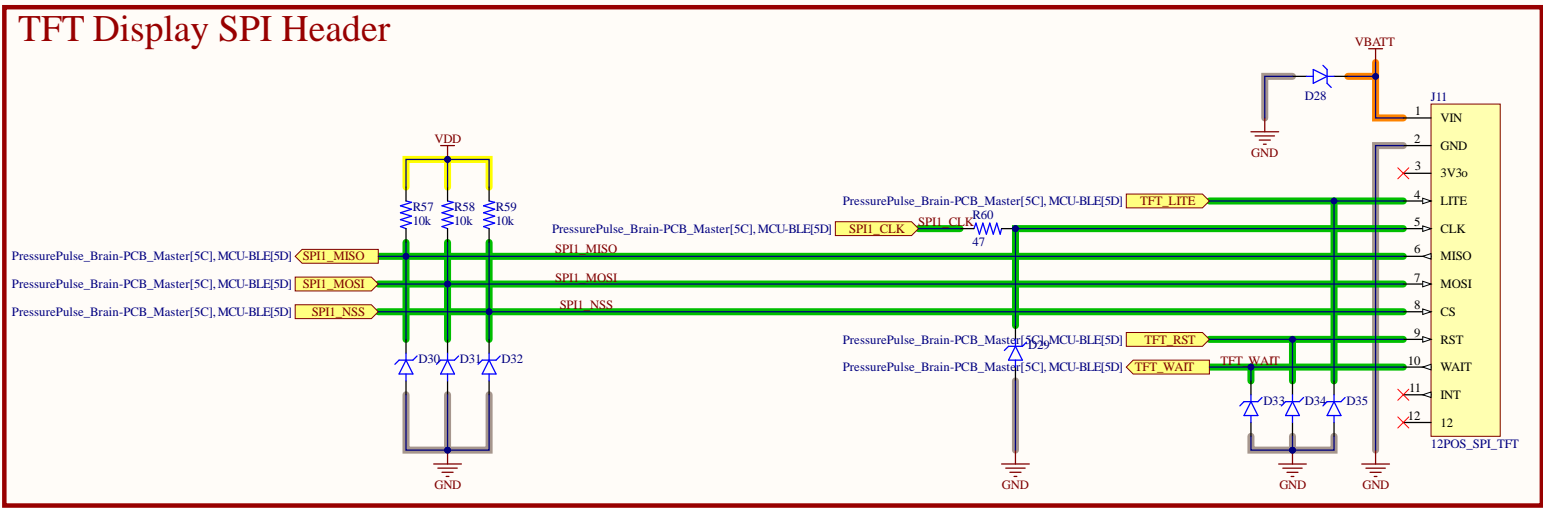
Flow Sensor Connector



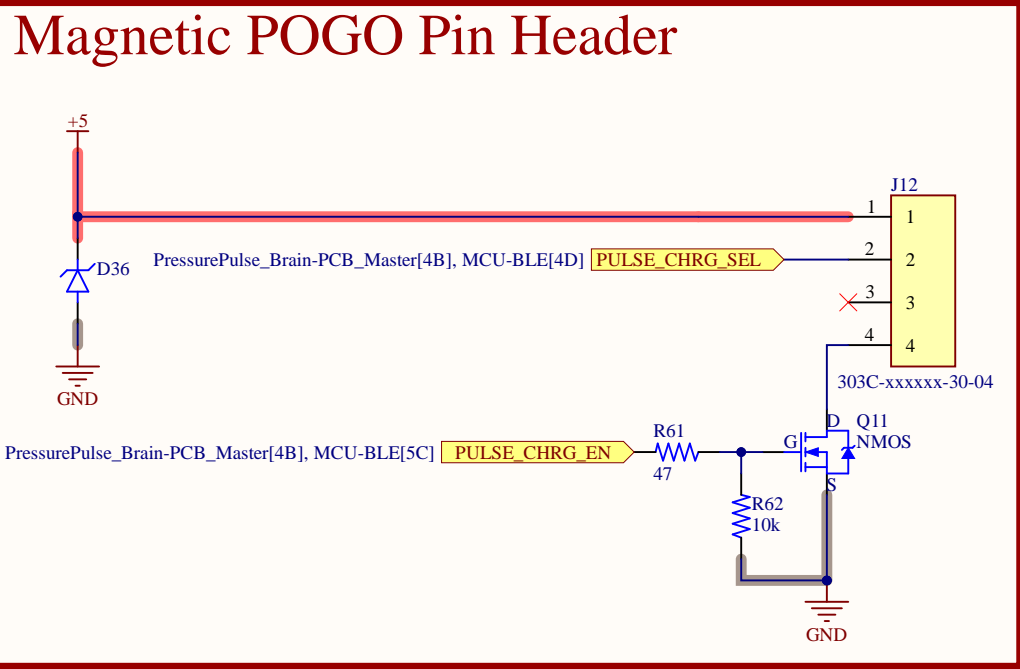
Test Points



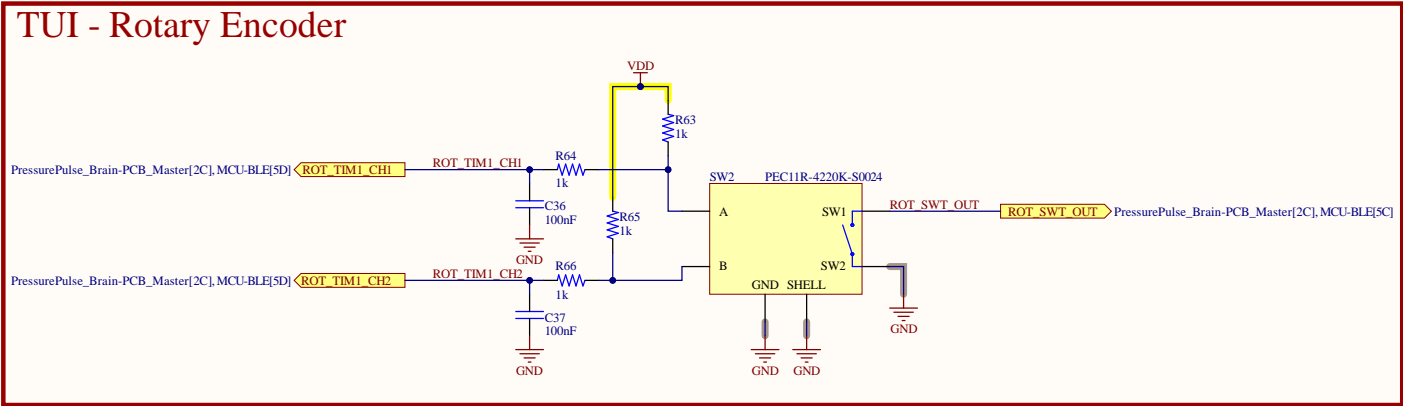
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Size	Number	Revision
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Date:	2/22/2024	Sheet of
File:	C:\Users\...\Flow-Sensor.SchDoc	Drawn By:



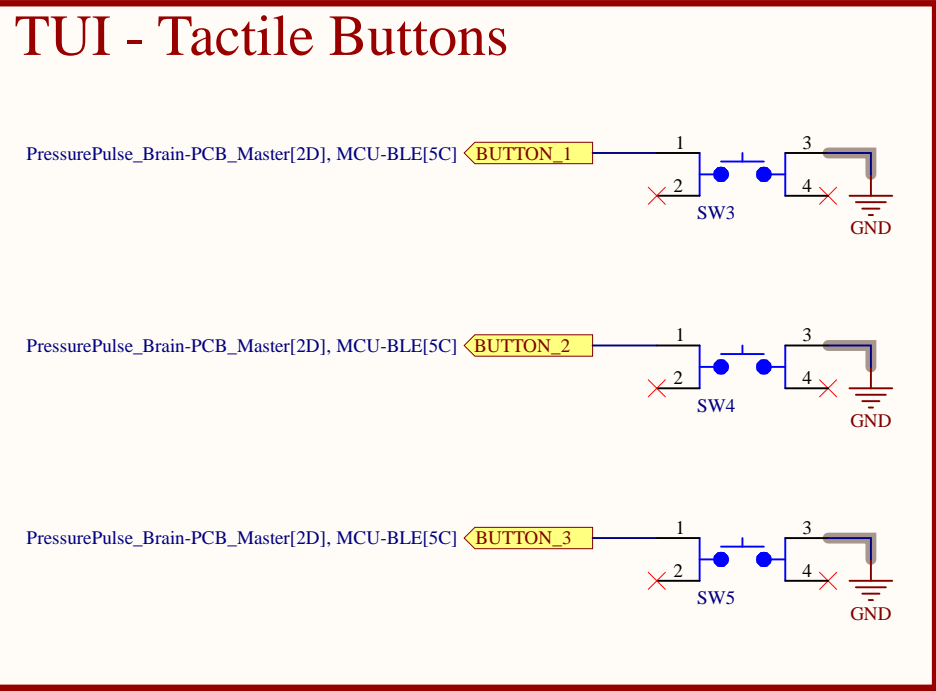
Title		
Size	Number	Revision
B		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\TFT-Display.SchDoc	Drawn By:



Title		
Size	Number	Revision
A		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\Magnetic-Charger.SchDoc	Drawn By:

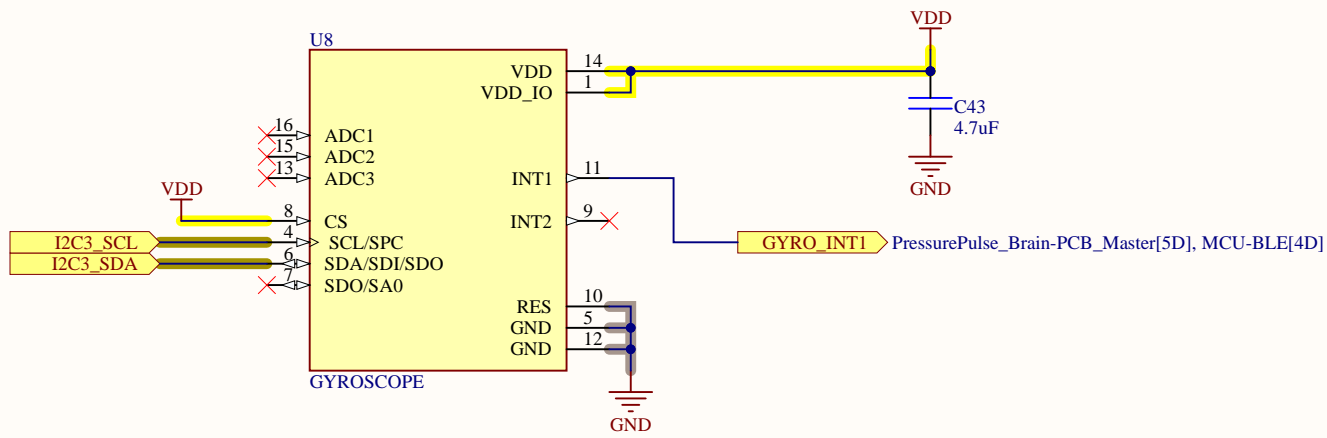


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Size	Number	Revision
B		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\Rotary-Encoder.SchDoc	Drawn By:

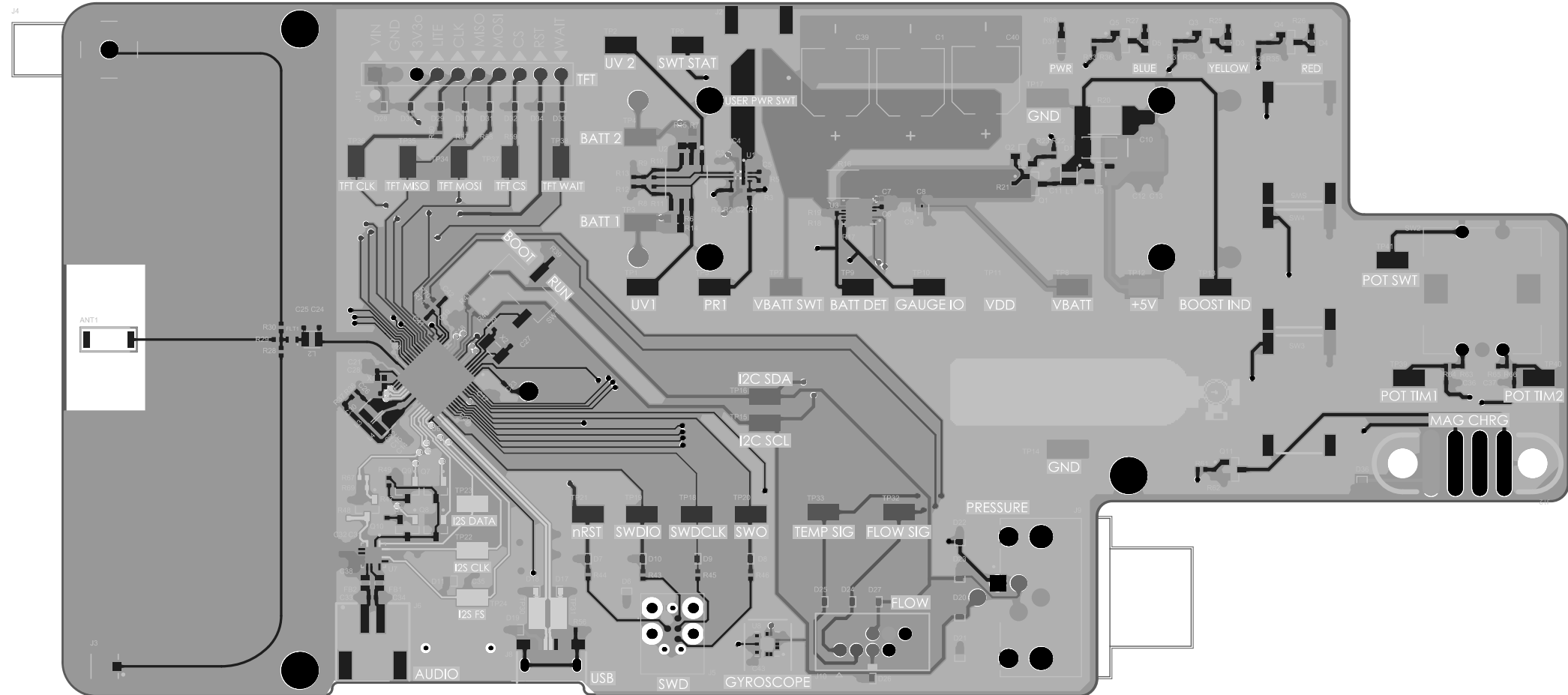


Title		
Size	Number	Revision
A		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\Tactile-Buttons.SchDoc	Drawn By:

TUI - Tactile Buttons



Title		
Size	Number	Revision
A		
Date:	2/22/2024	Sheet of
File:	C:\Users\...\Gyroscope.SchDoc	Drawn By:



Board Stack Report