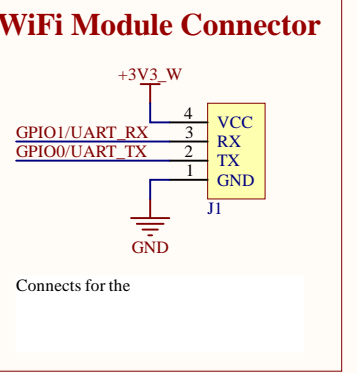
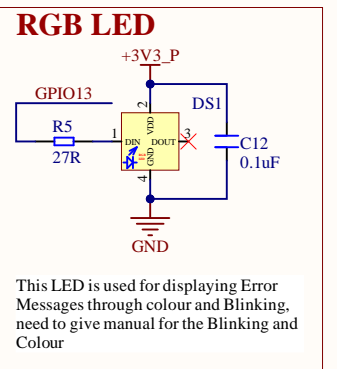
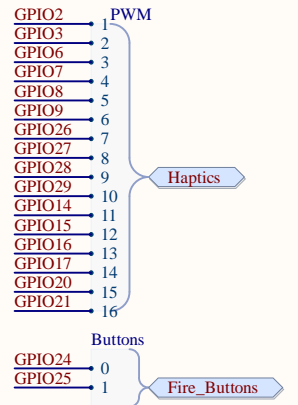
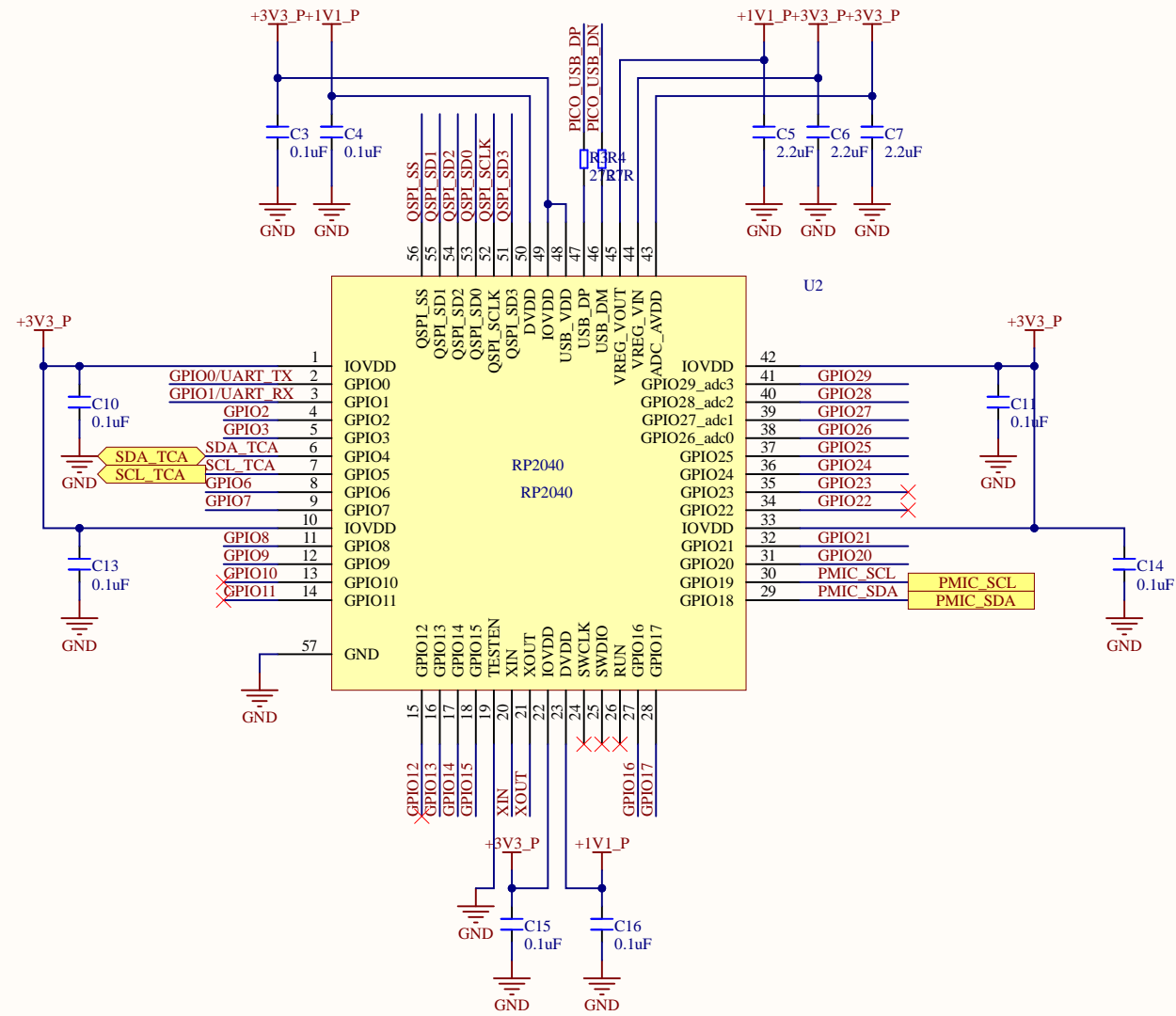
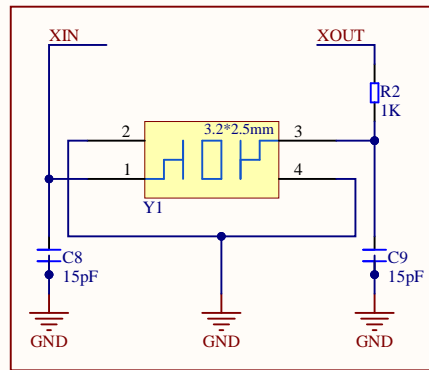
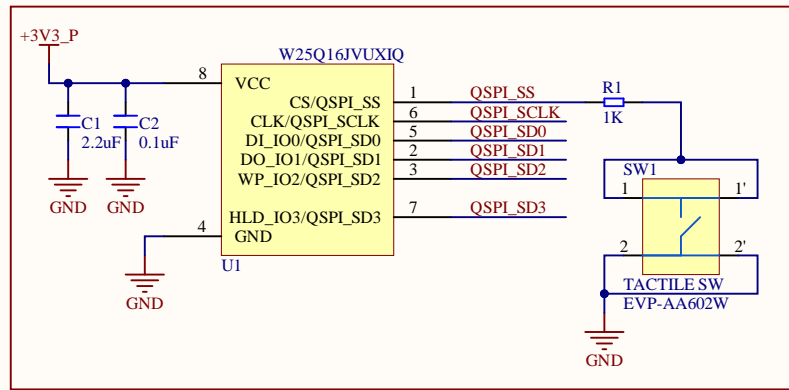


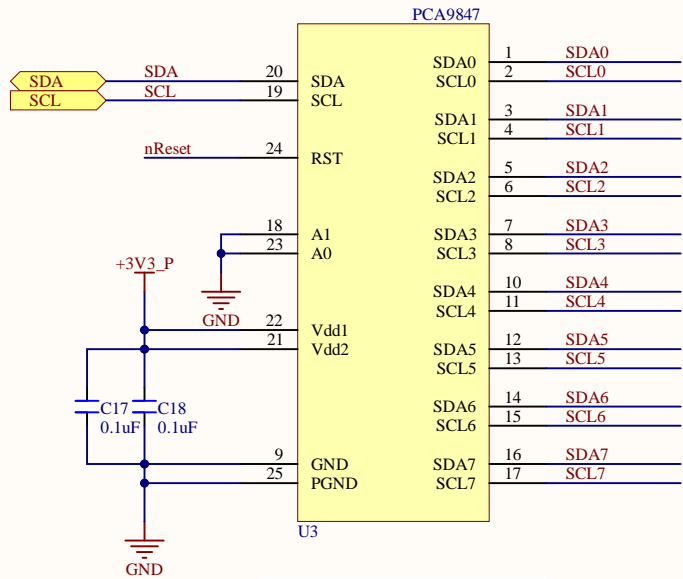
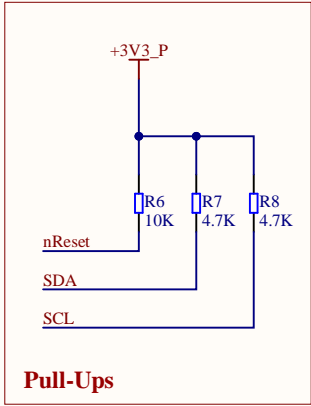
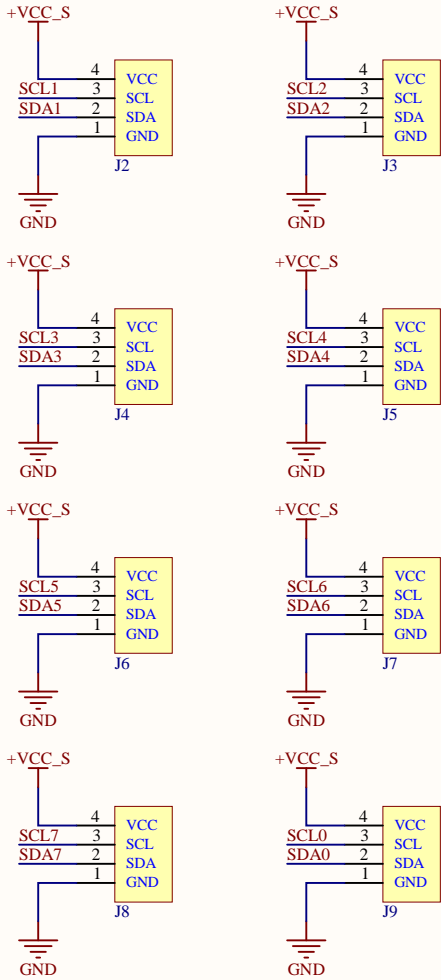
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Date:	1/14/2026	Sheet of
File:	Block_Diagram.SchDoc	Drawn By:



Title		
Size A3	Number	Revision
Date:	1/14/2026	Sheet of
File:	RP2040.SchDoc	Drawn By:

All the Sensors are grtting connected with the below connectors like IMU, PPG Sensors and Further More if there are anything

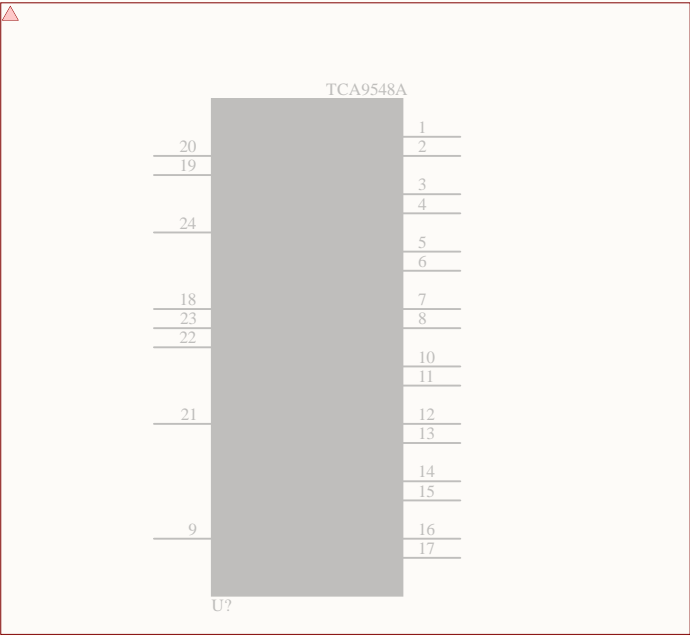
Connectors for I2C Devices - Sensors



Address of PCA9548 : 0xE2h or

TCA9548 has clock frequency constraint of 400kHz, Currently TC9548 is in use. This design will continue untill the release of PCA9847(VQFN Package), untill use TCA9548 with 400kHz Clock frequency

Address of TCA9548 : 0x71h or 113d



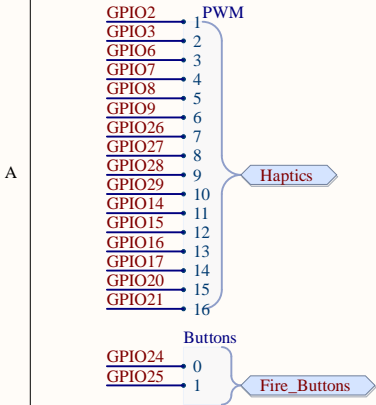
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A

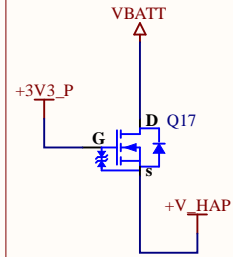
B

C

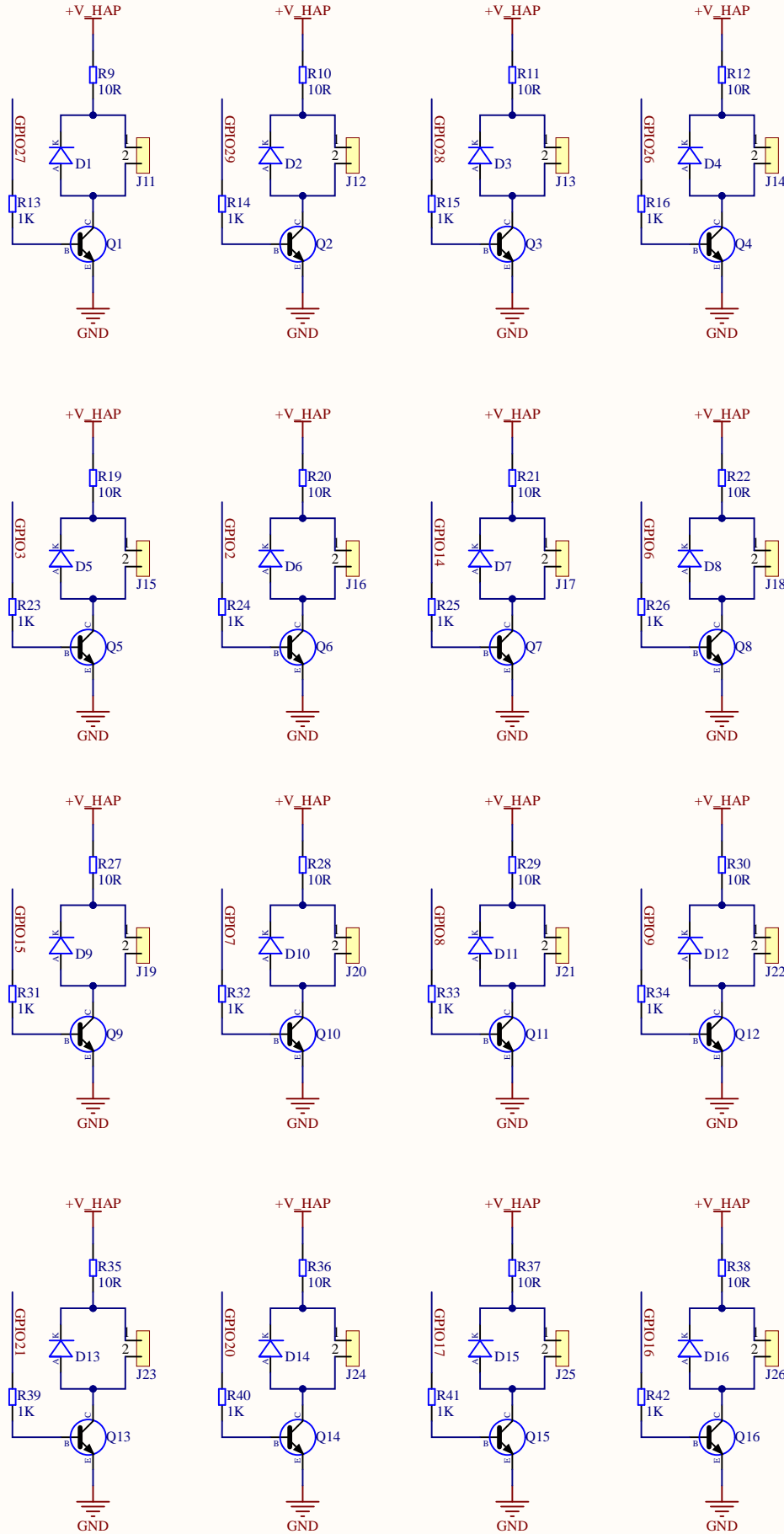
D



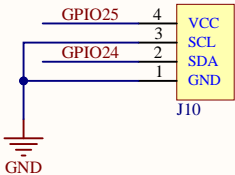
### Haptics Protection Battery Isolation



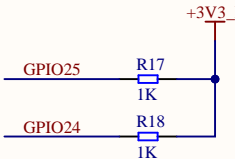
### Haptics Circuitry With Connectors



### Fire Buttons



### Fire Button Pullup



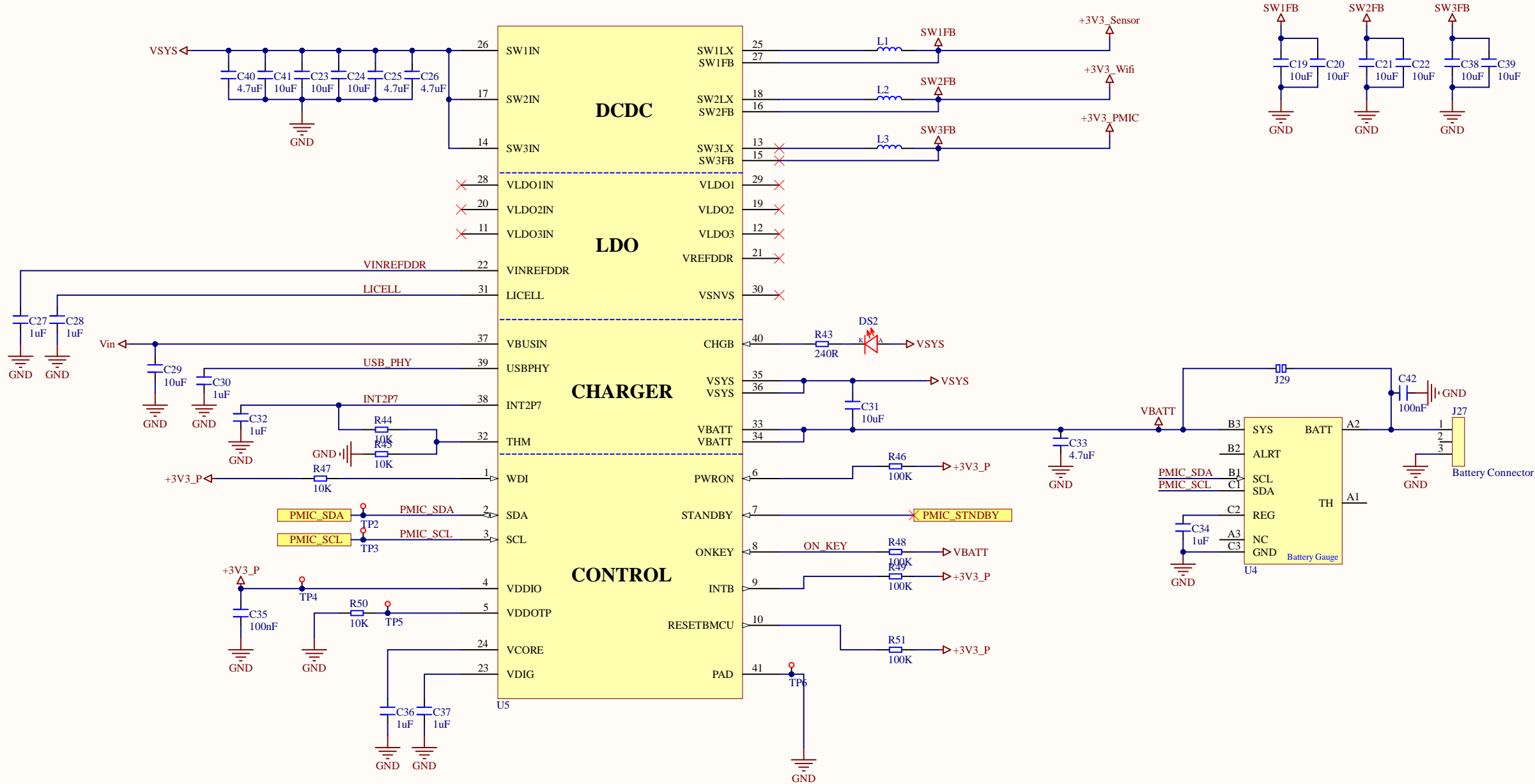
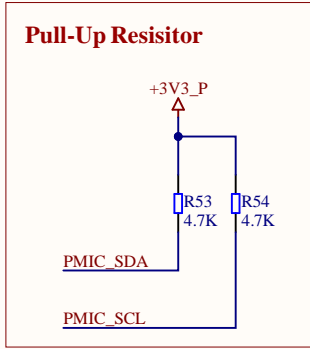
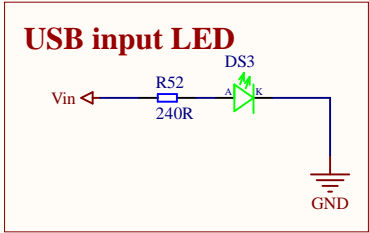
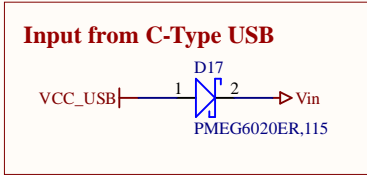
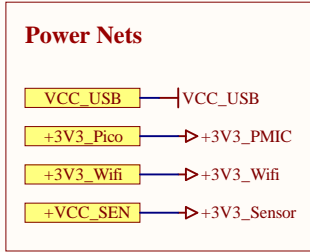
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Size	Number	Revision
A3		
Date:	1/14/2026	Sheet of
File:	Haptics and Fire Buttons.SchDoc	Drawn By:

A

B

C

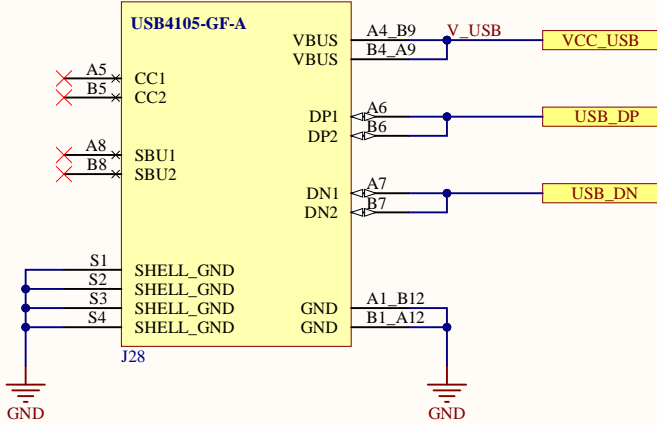
D



Title		
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A3		
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File:	Power Supply.SchDoc	Drawn By:

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
	1	2	3	4	5	6	7	8

### USB-C type Connector



### Mounting Holes



Title		
Size A3	Number	Revision
Date: 1/14/2026	Sheet of	
File: USB_Input.SchDoc	Drawn By:	