

A

A

B

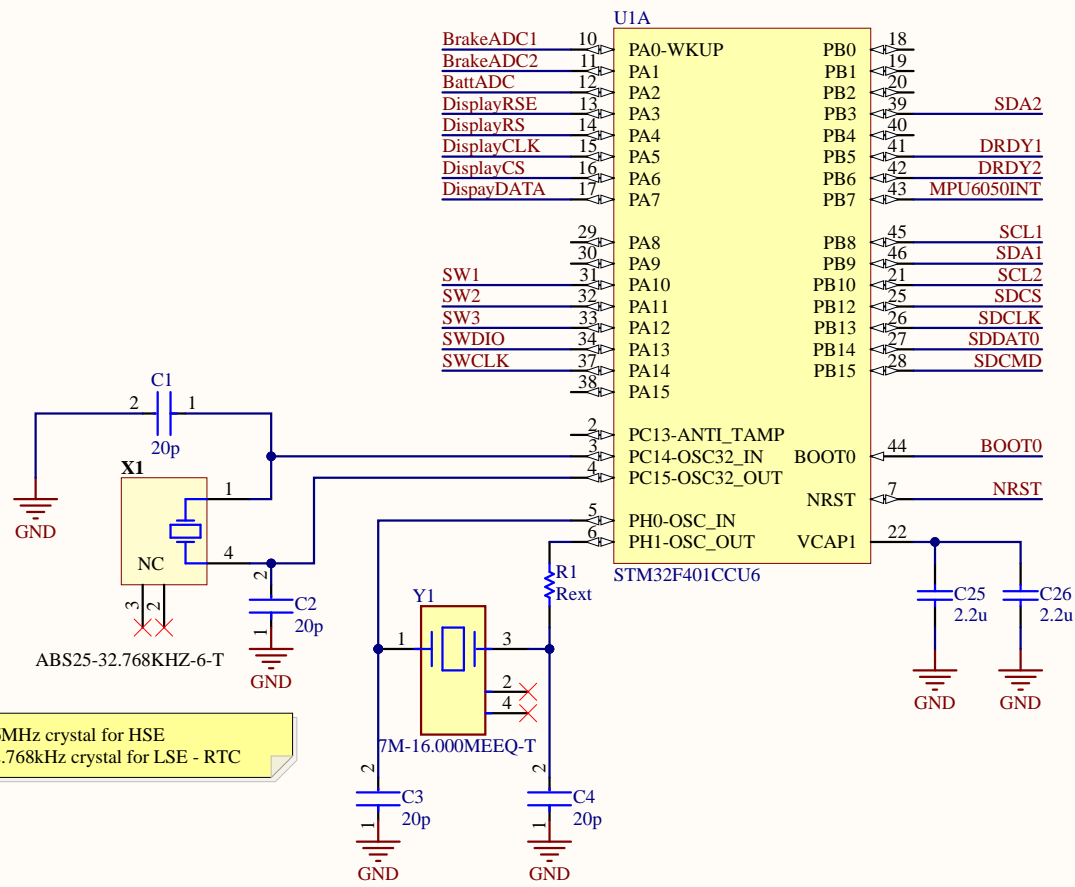
B

C

C

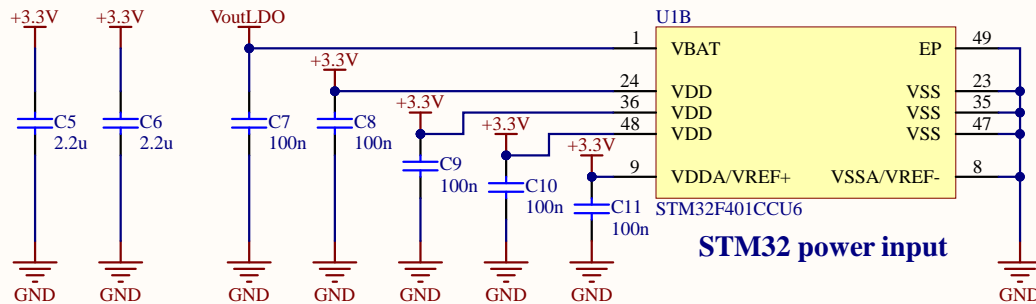
D

D



16MHz crystal for HSE
32.768kHz crystal for LSE - RTC

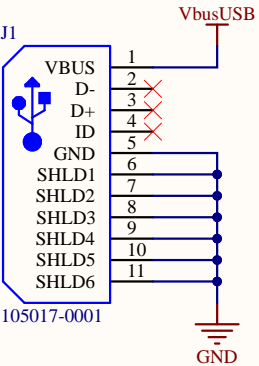
The STM32F4 internal RTC can be powered via the Vbat pin, even when the Vdd power is not supplied.



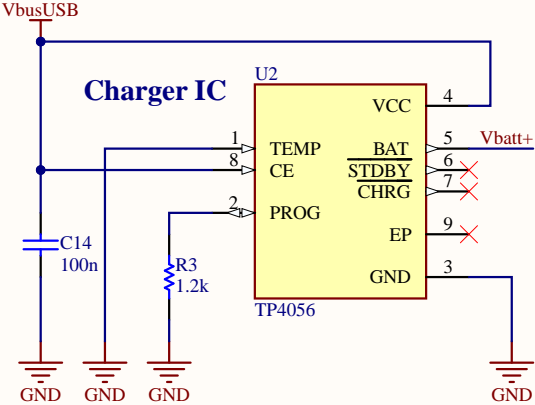
STM32 power input

Title		
Size	Number	Revision
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File:	C:\Users\...\STM32F401.SchDoc	Drawn By:

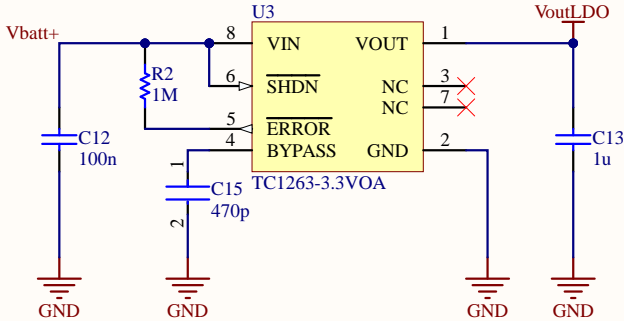
USB charger input



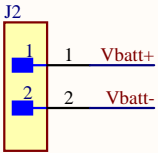
Charger IC



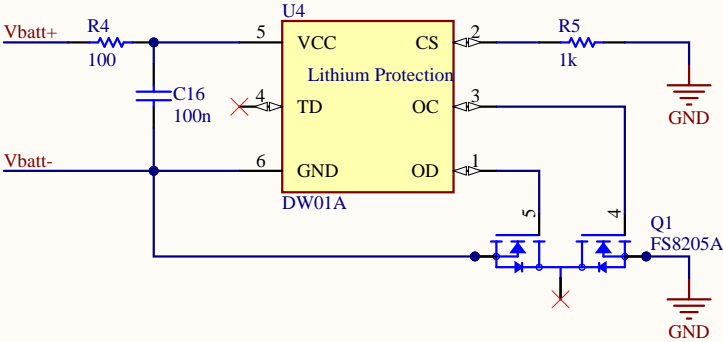
LDO



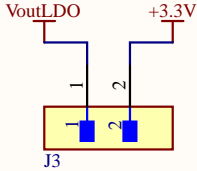
Battery connector



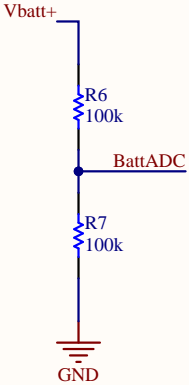
Battery protection



Main power switch

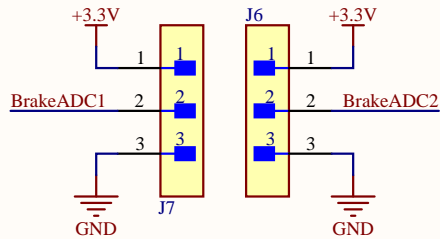


Battery voltage measurement

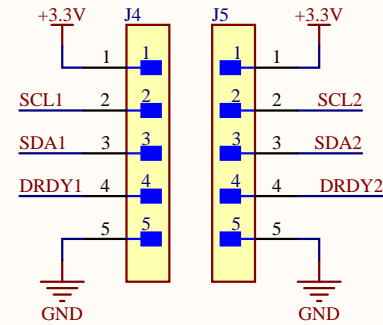


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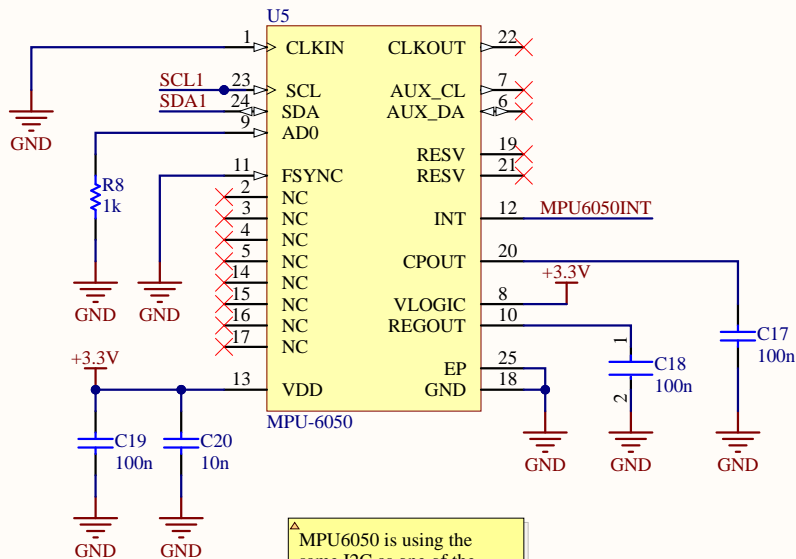
Brake lever position



Suspension travel

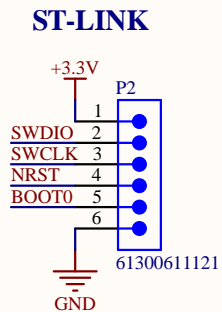
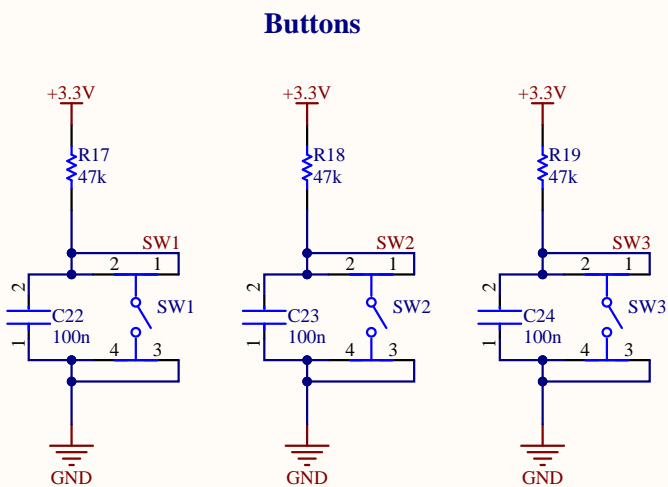
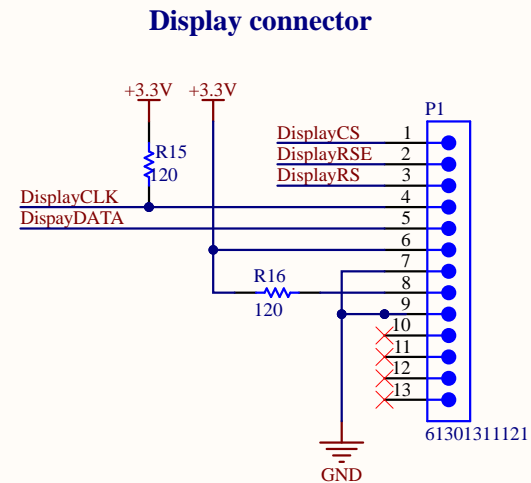
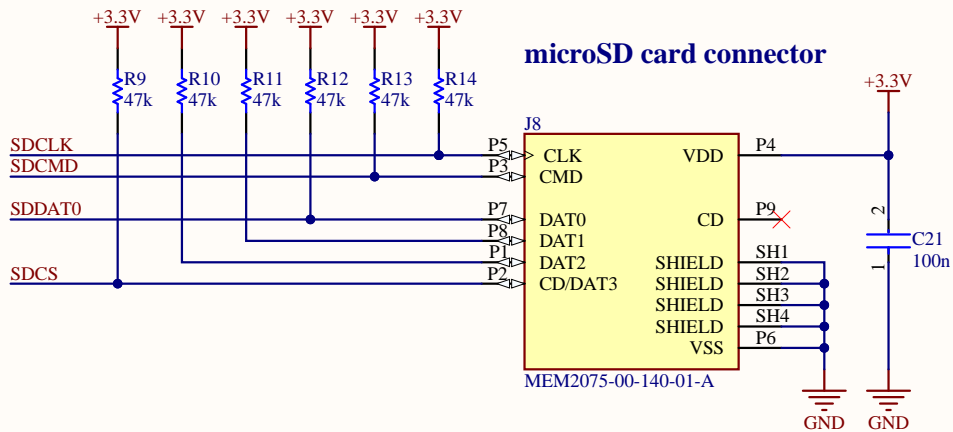


Accelerometer + gyroscope



MPU6050 is using the same I2C as one of the magnetometers.

Title		
Size	Number	Revision
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Date:	12/16/2023	Sheet of
File:	C:\Users\...\Sensors.SchDoc	Drawn By:



Title			
Size	Number		Revision
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Date:	12/16/2023		Sheet of
File:	C:\Users\...\Peripherals.SchDoc		Drawn By: