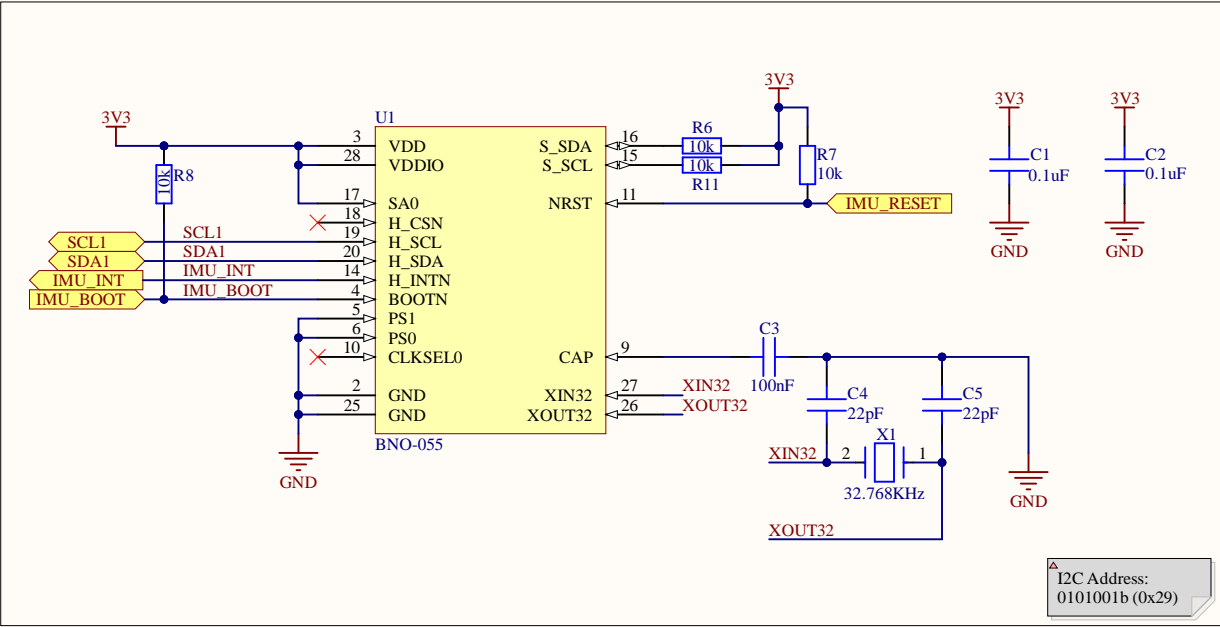
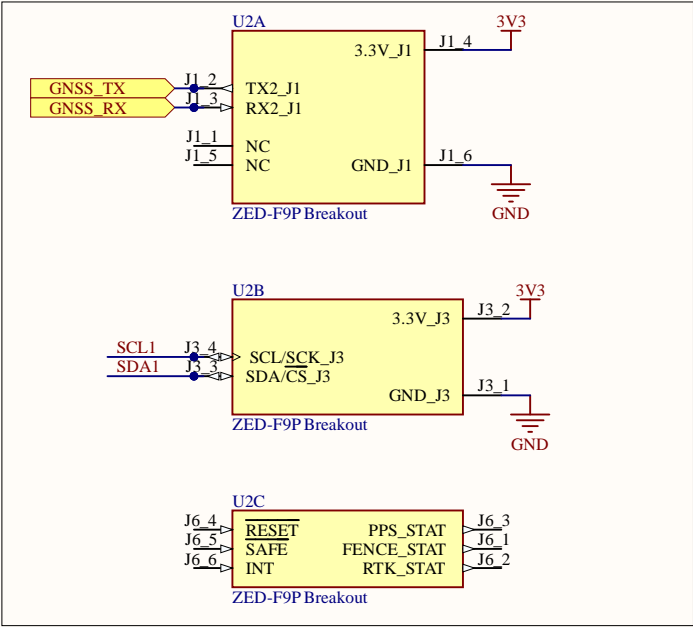


[1] Sensors

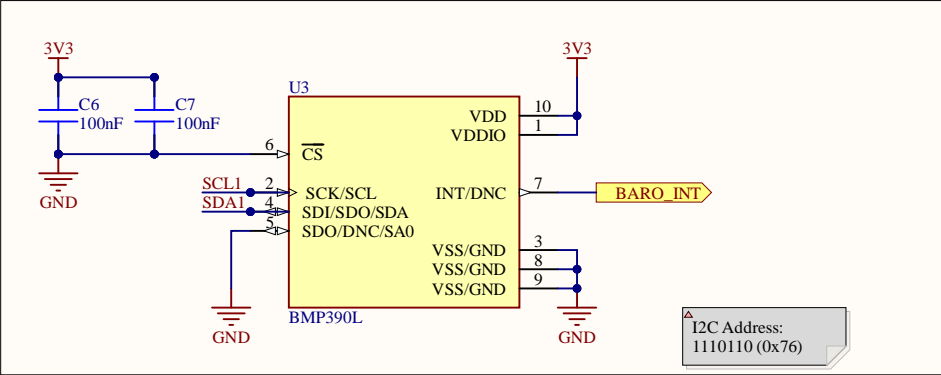
BNO-055: Accelerometer, Gyroscope, & Magnetometer



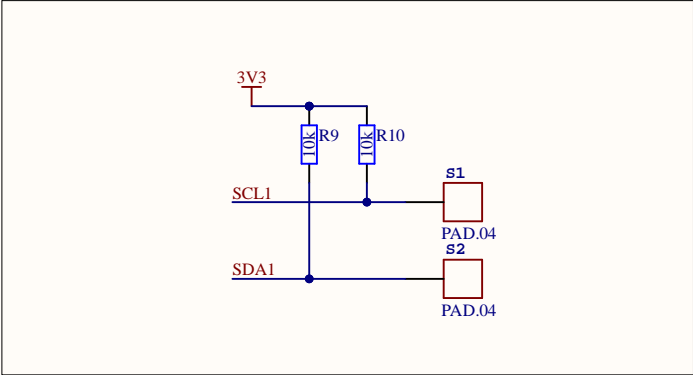
ZED-P9P Breakout: GNSS Module



BMP390L: Barometric Pressure Sensor



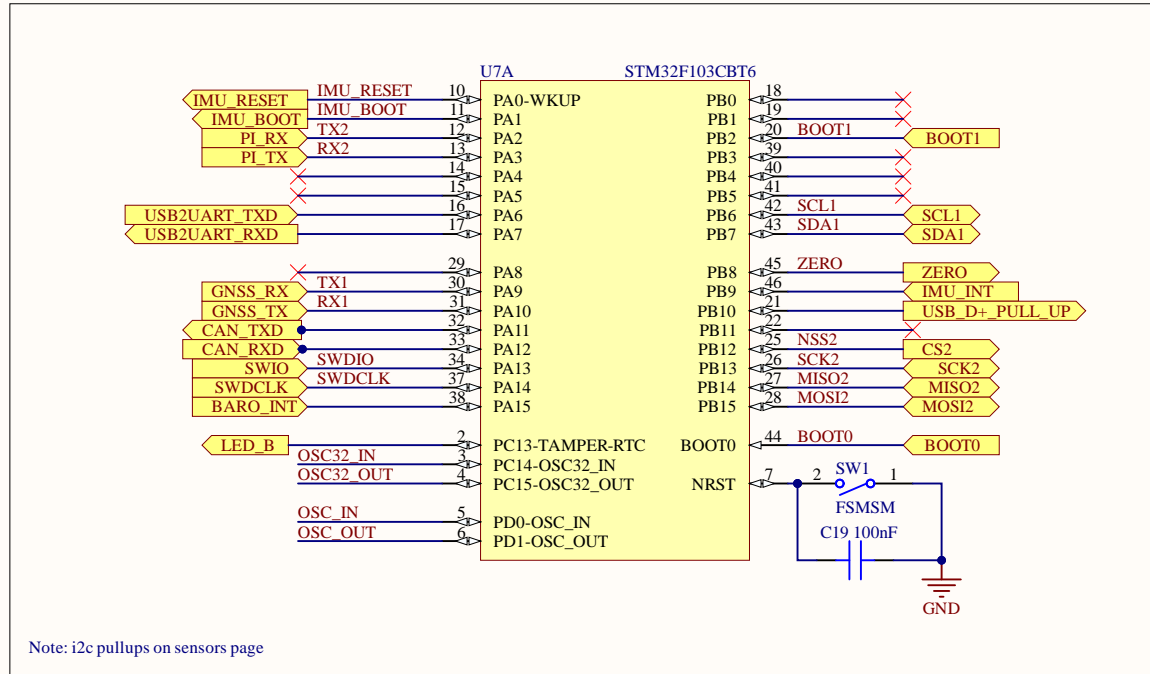
SCL1, SDA1 Test Pads



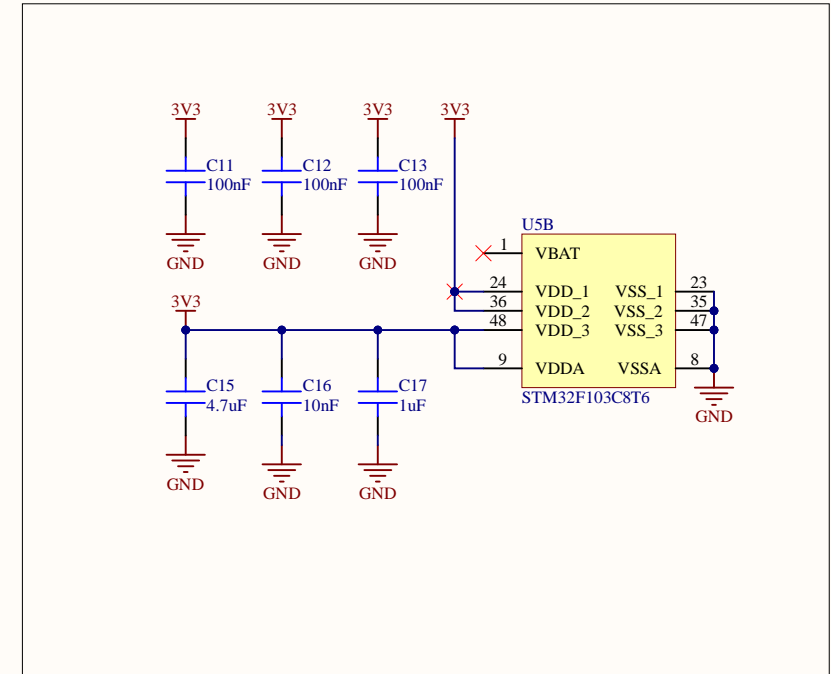
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# [2]MCU

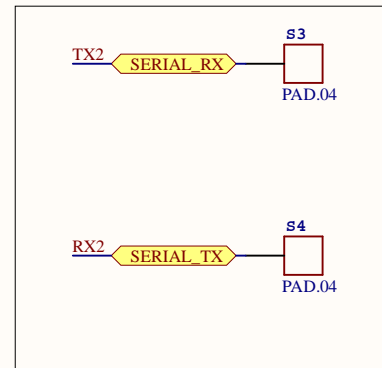
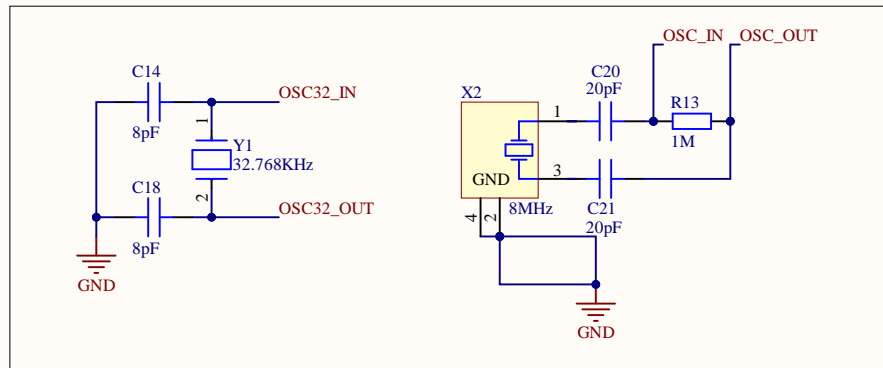
STM32 MCU



STM32 Power Management



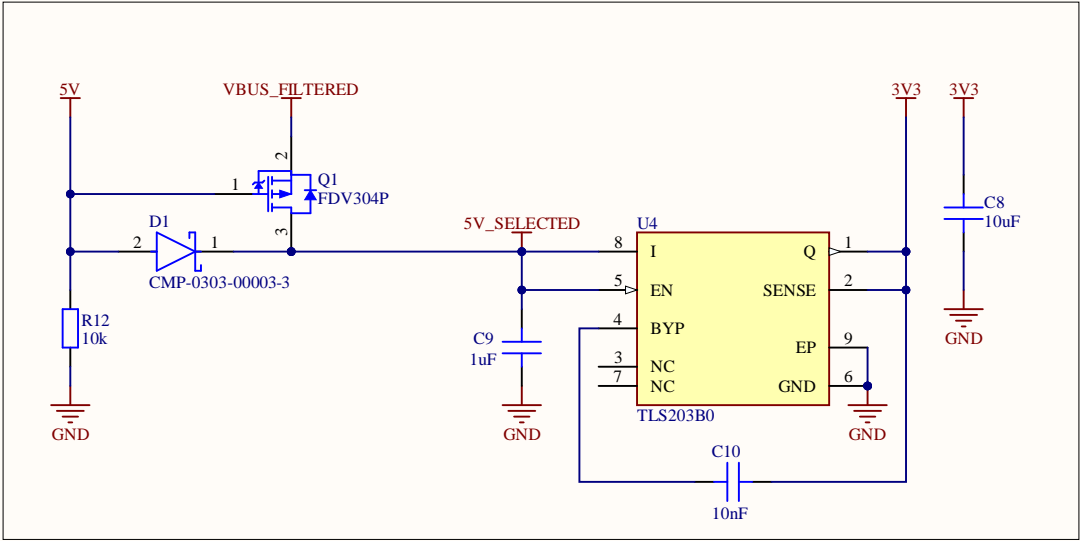
STM32 Clock Signal



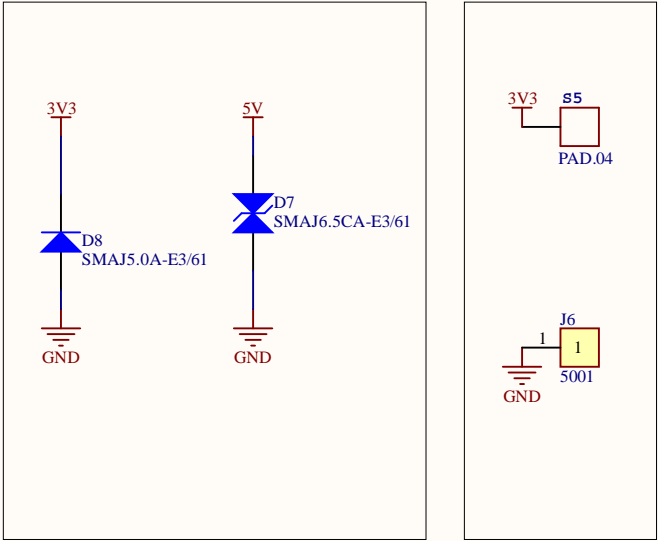
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[3]Power

TLS203B0: LDO 5V to 3V3



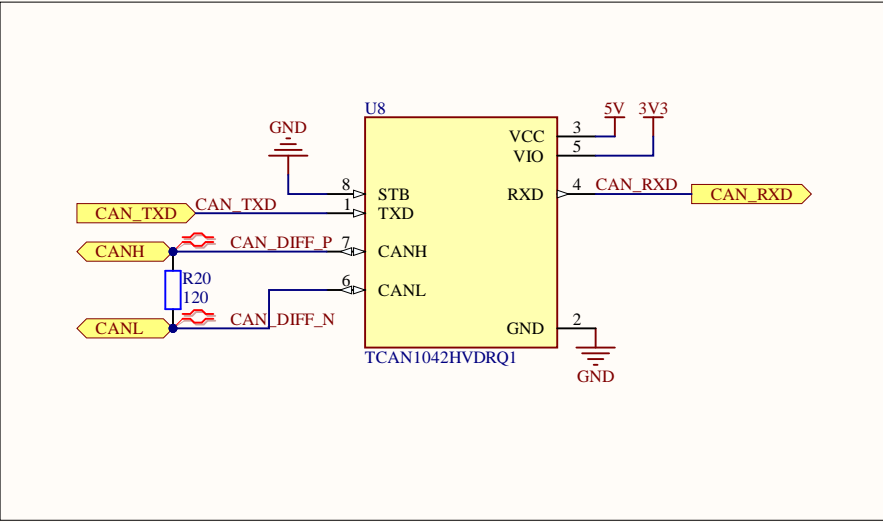
TVS Diodes: 5V & 3V3 Line



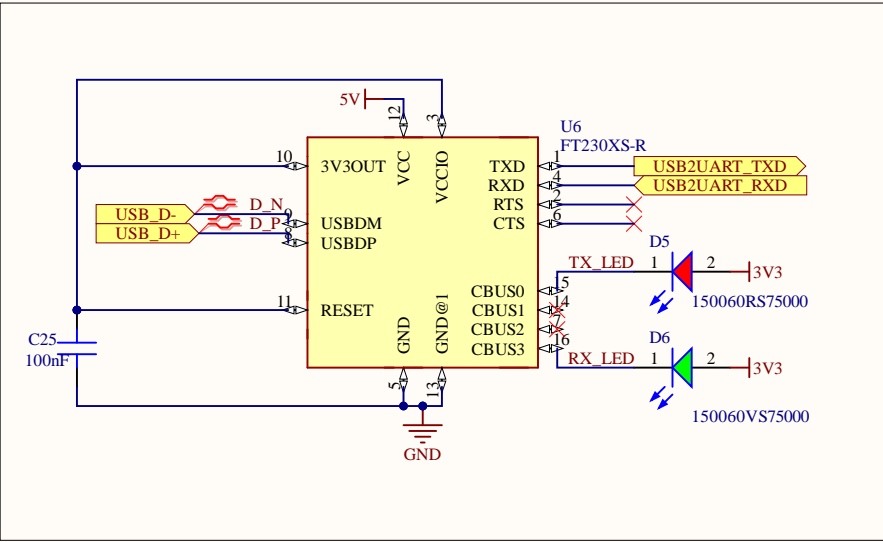
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[4]Comms Interface

TCAN1042HVDQR1: CAN Transceiver



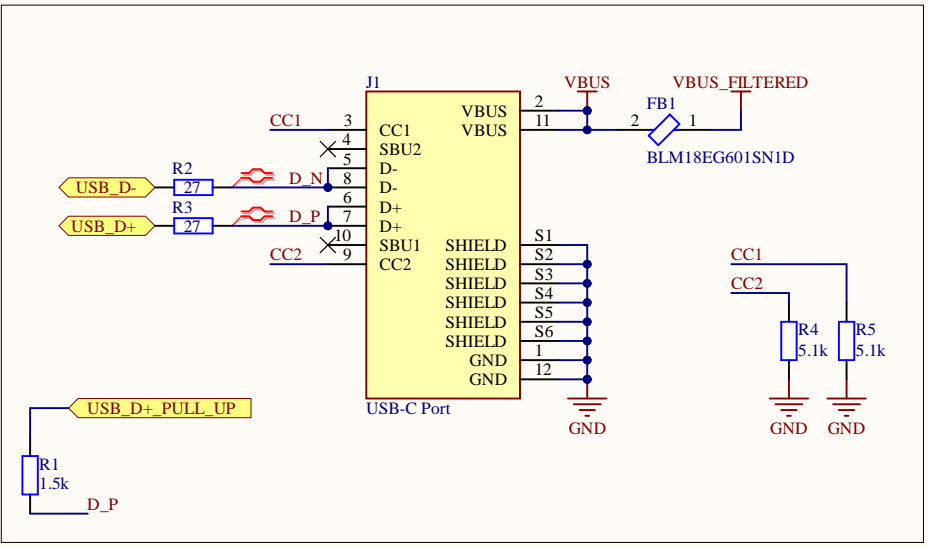
FT230XS-R: USB to UART



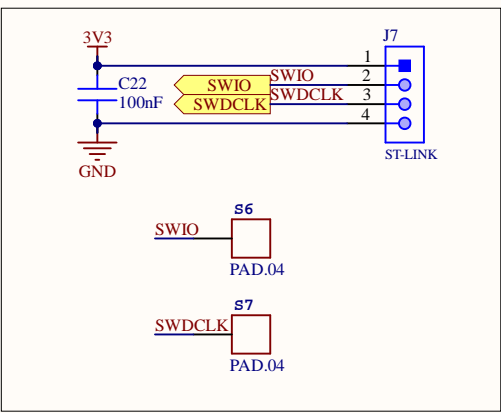
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# [5]External Interfaces

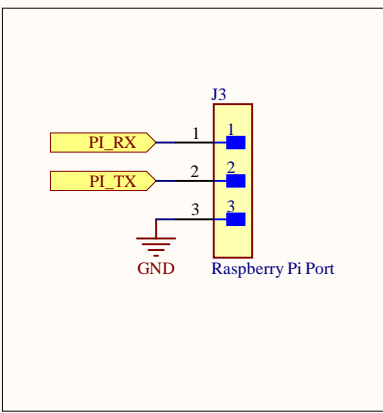
USB-C Port



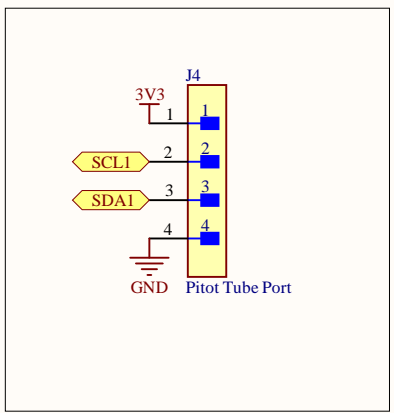
ST-LINK



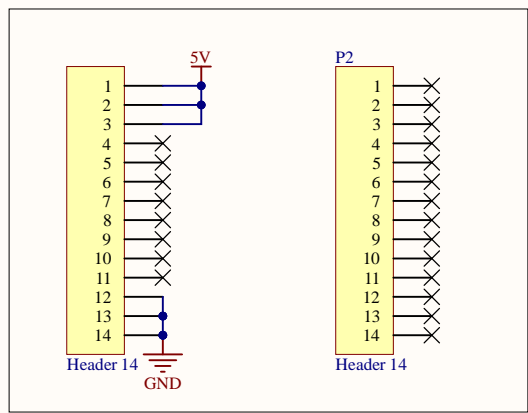
Raspberry Pi



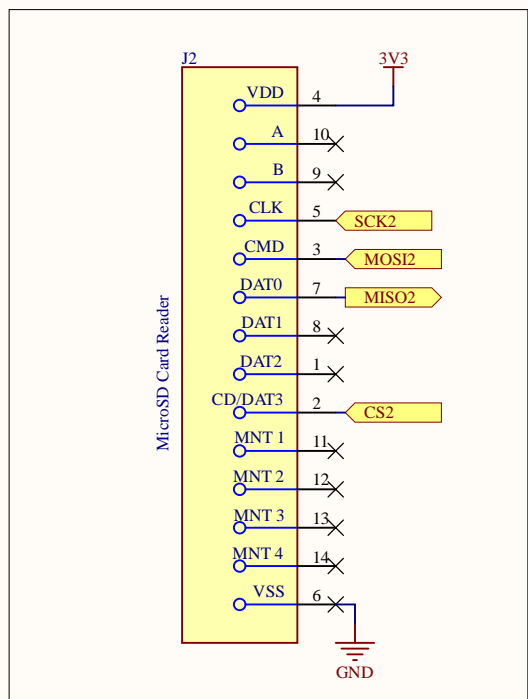
Pitot Tube



Header Pins



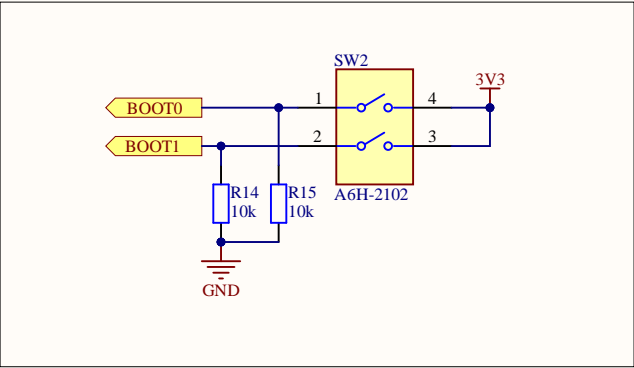
MicroSD Card Reader



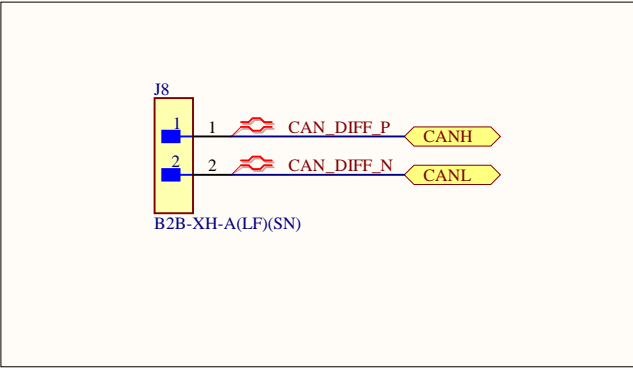
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[6]Peripherals

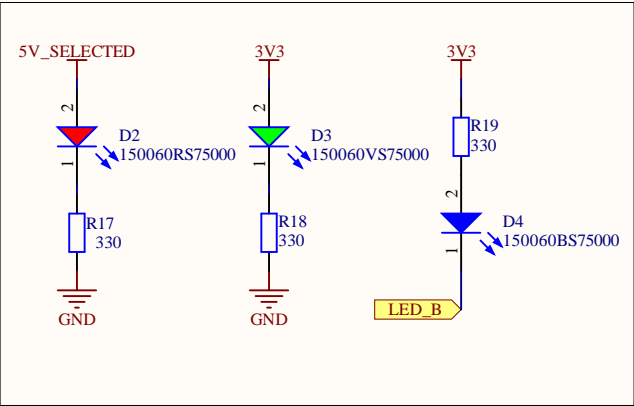
A6H-2102: Relay



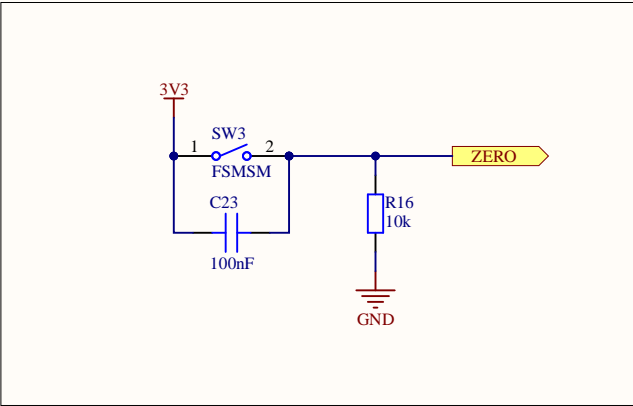
CAN BUS



Indicator LEDs

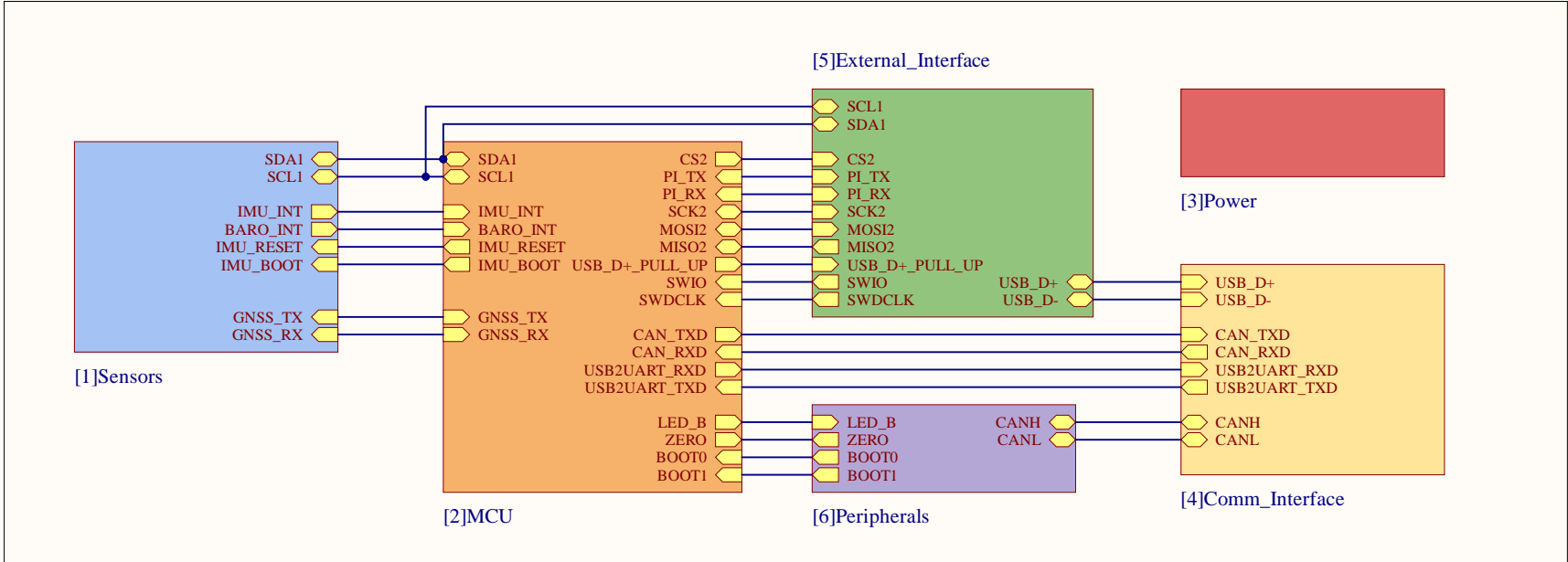


ZERO Switch



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Sensor Board Rev 4.0



Title			
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A4			
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# Board Stack Report