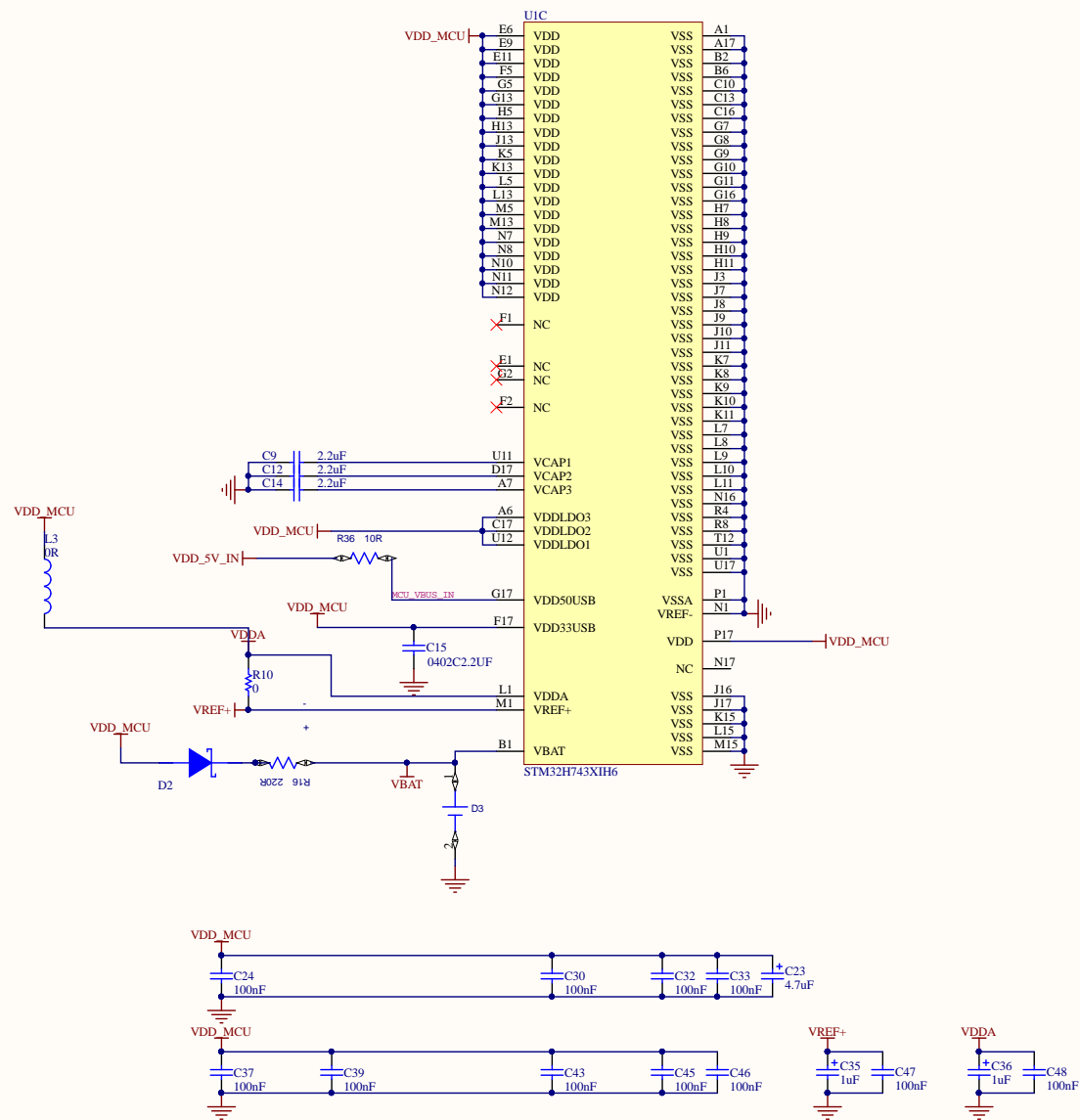


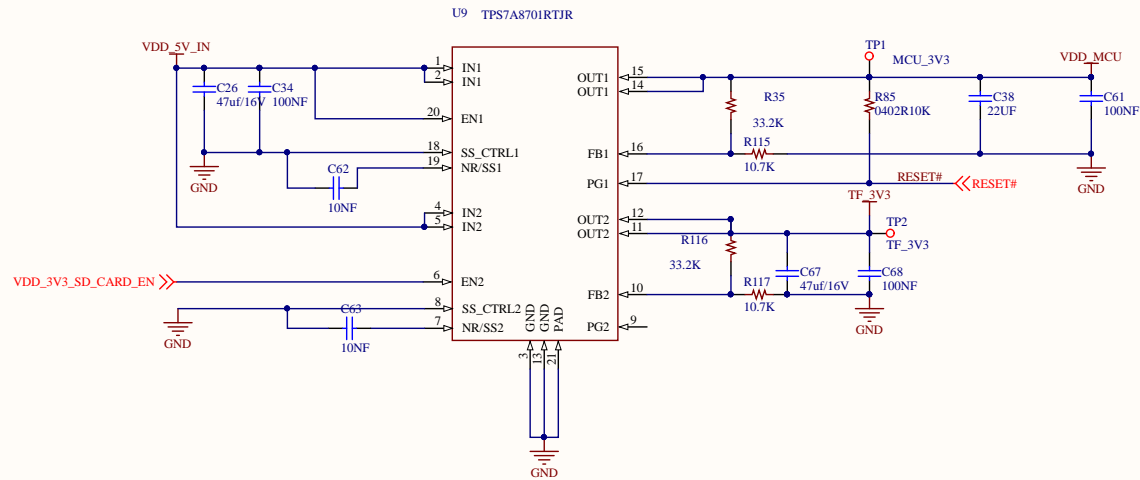
MCU_Power



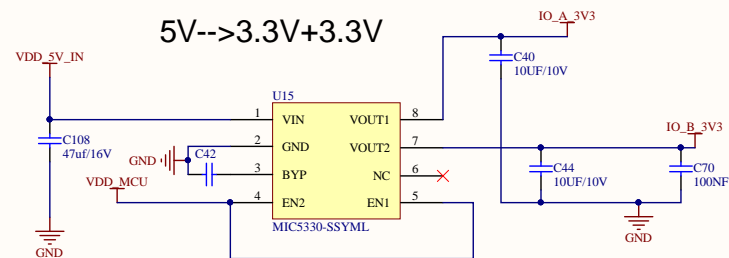
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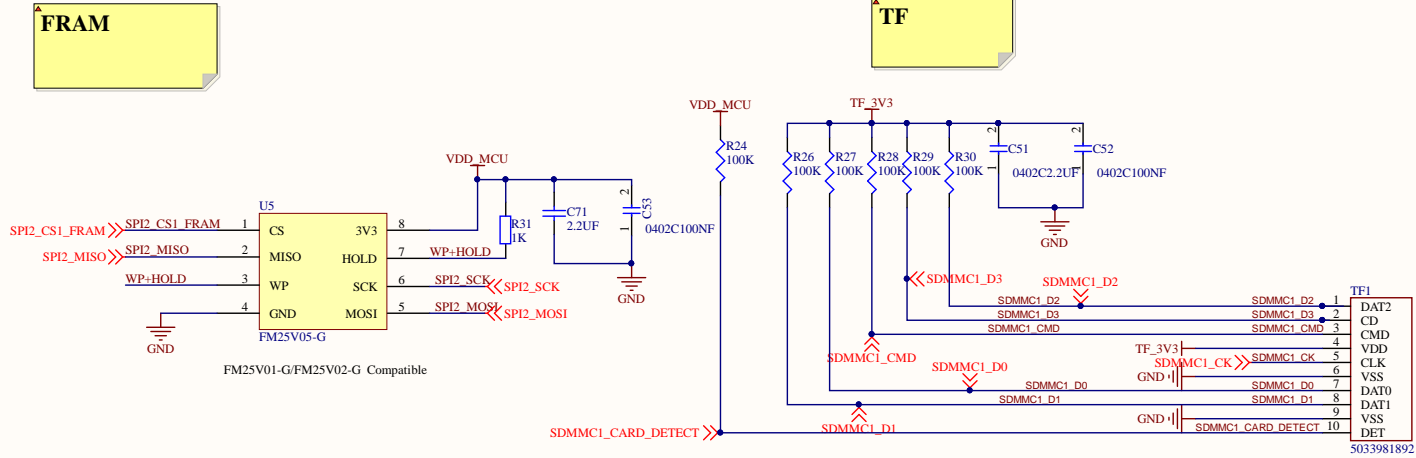
5V-->3.3V MCU POWER



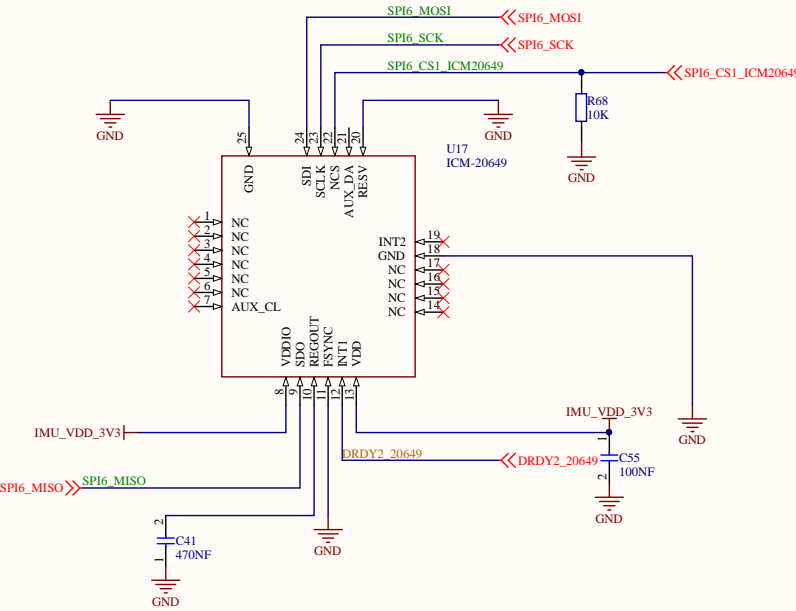
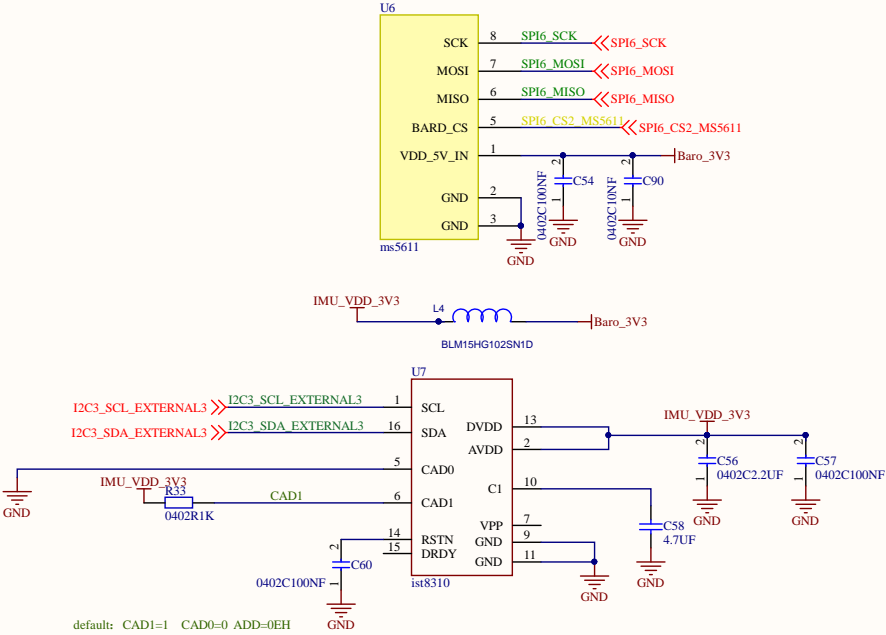
5V-->3.3V+3.3V



TF CARD + MTD of STM32H7

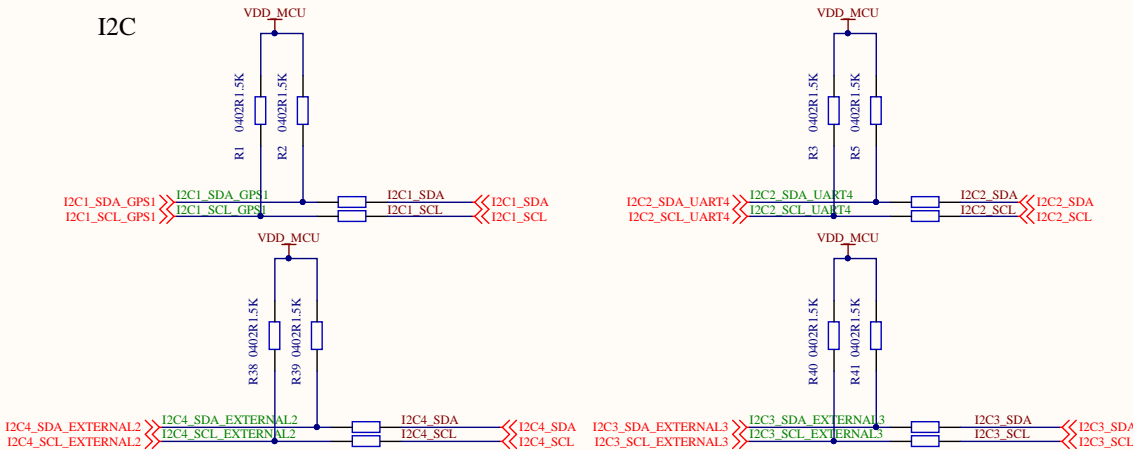


On Board IMU

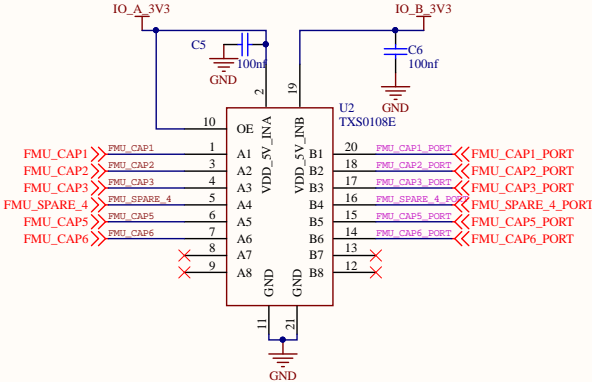


I/O Bridge

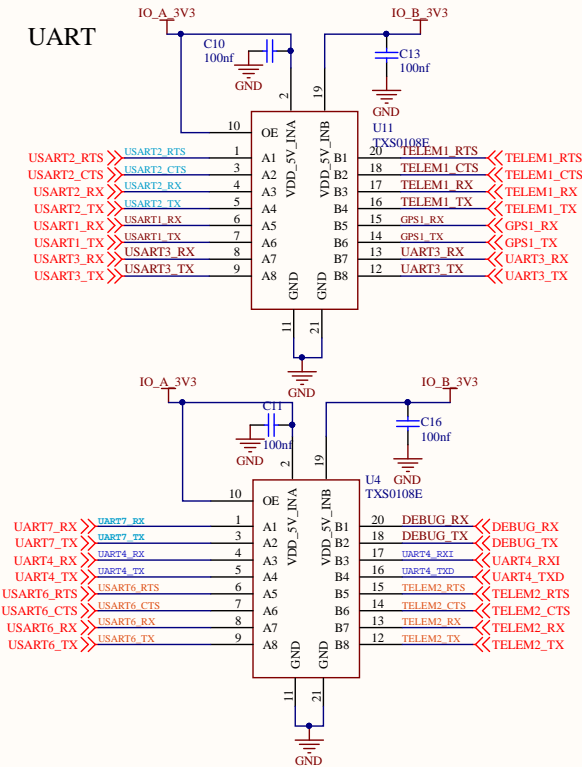
I2C



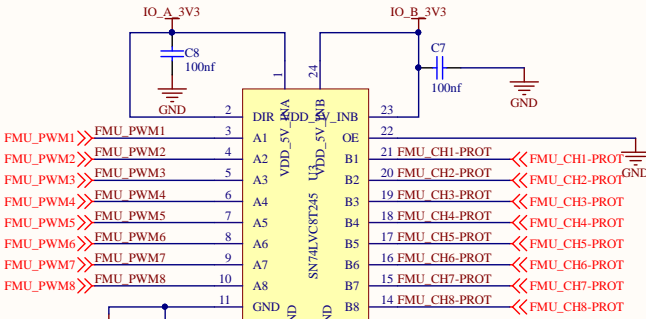
PWM



UART

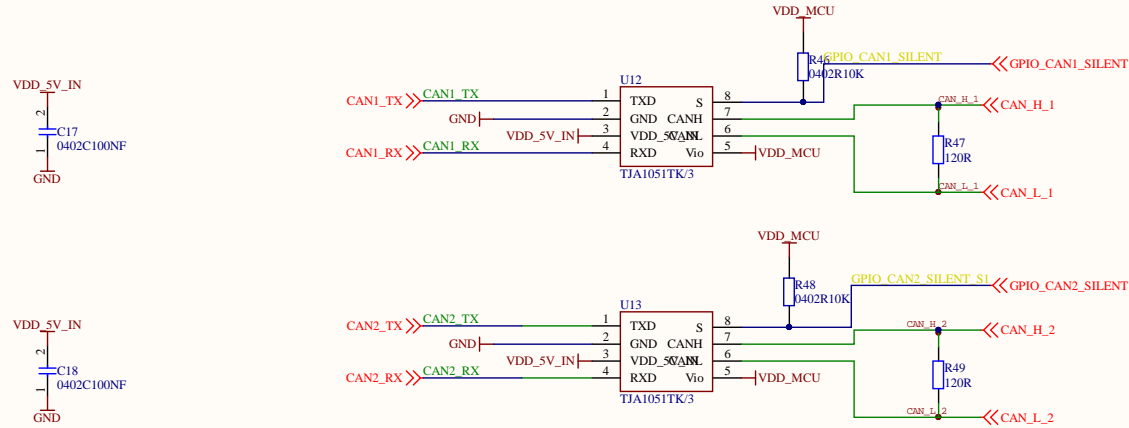


PWM

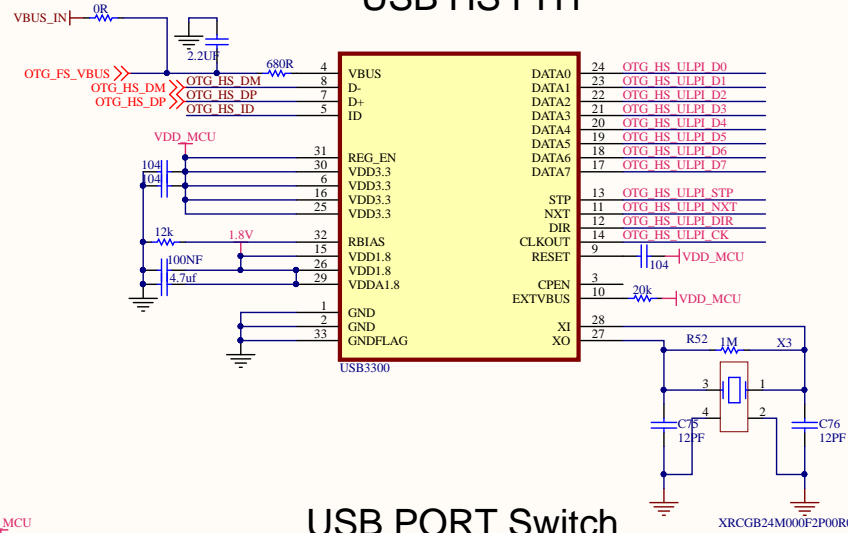


I/O RAIL

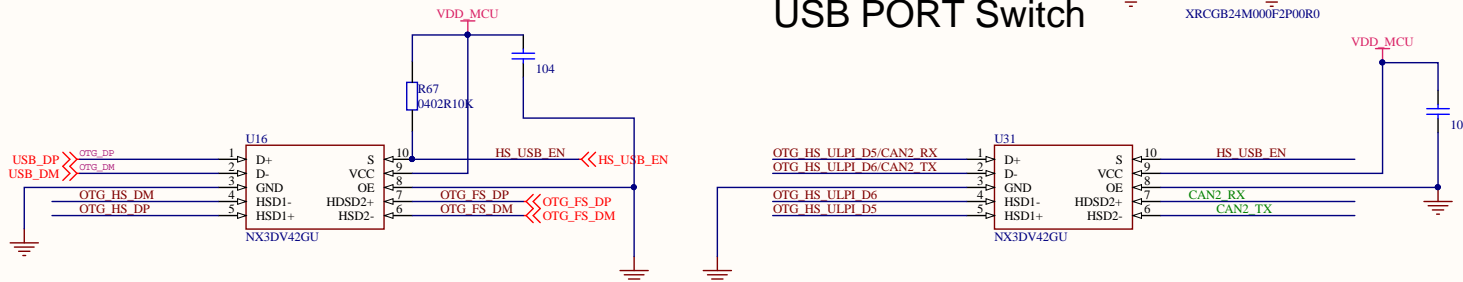
CAN BUS



USB HS PHY

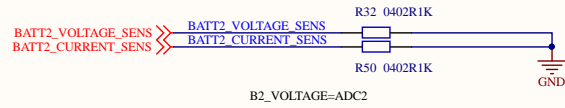


USB PORT Switch

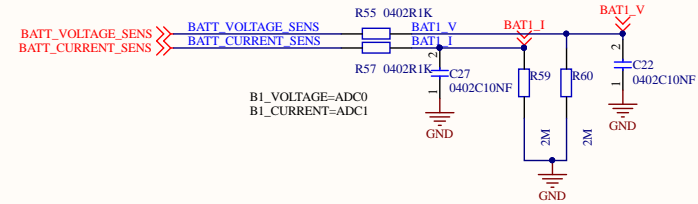


Port switching for USB HS and FS, high = USB_FS , LOW = USB_HS

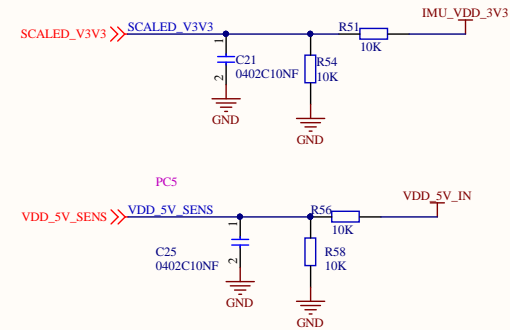
PM1 & PM2 voltage and current sensing



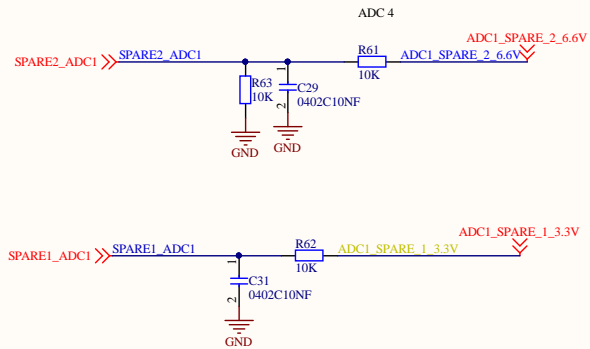
PM2 Disable



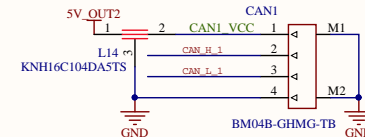
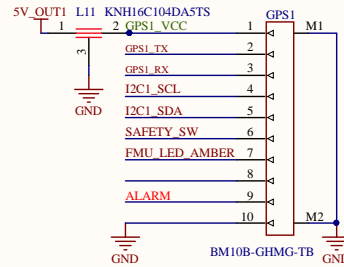
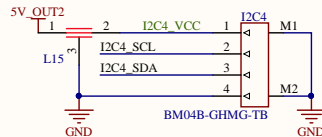
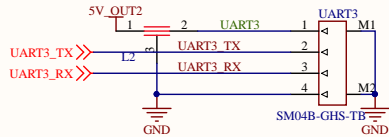
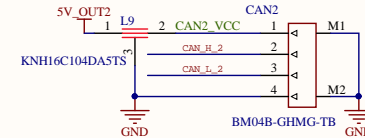
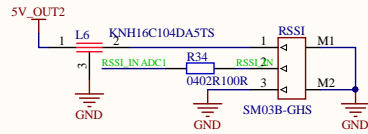
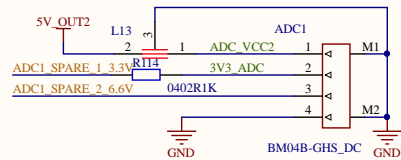
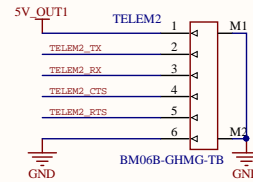
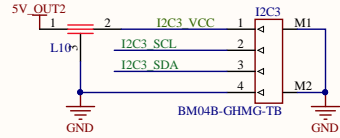
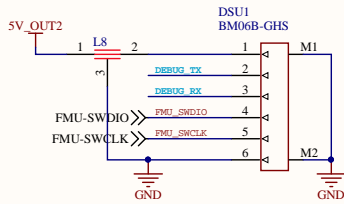
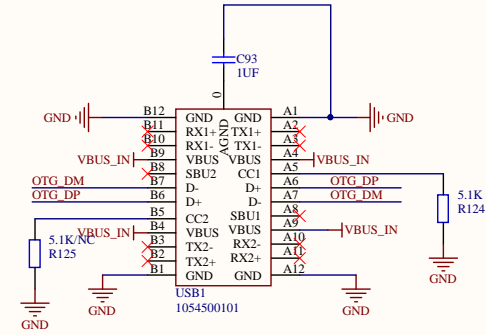
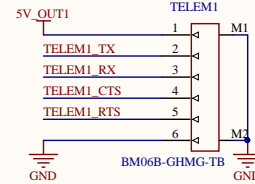
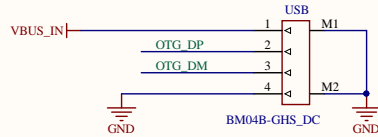
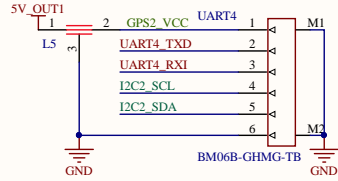
Core voltage detection



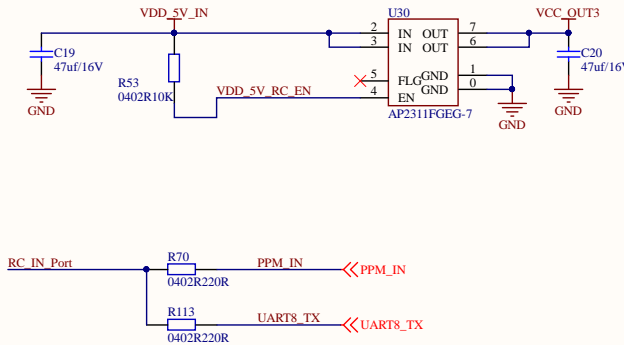
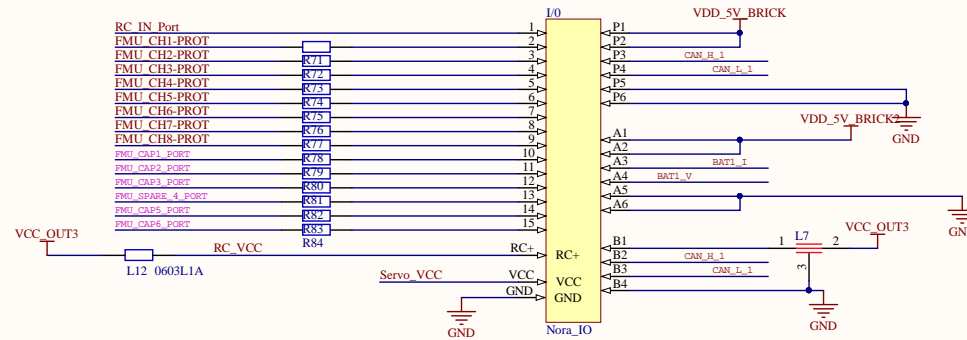
ADC of 3.3V + 6.6V



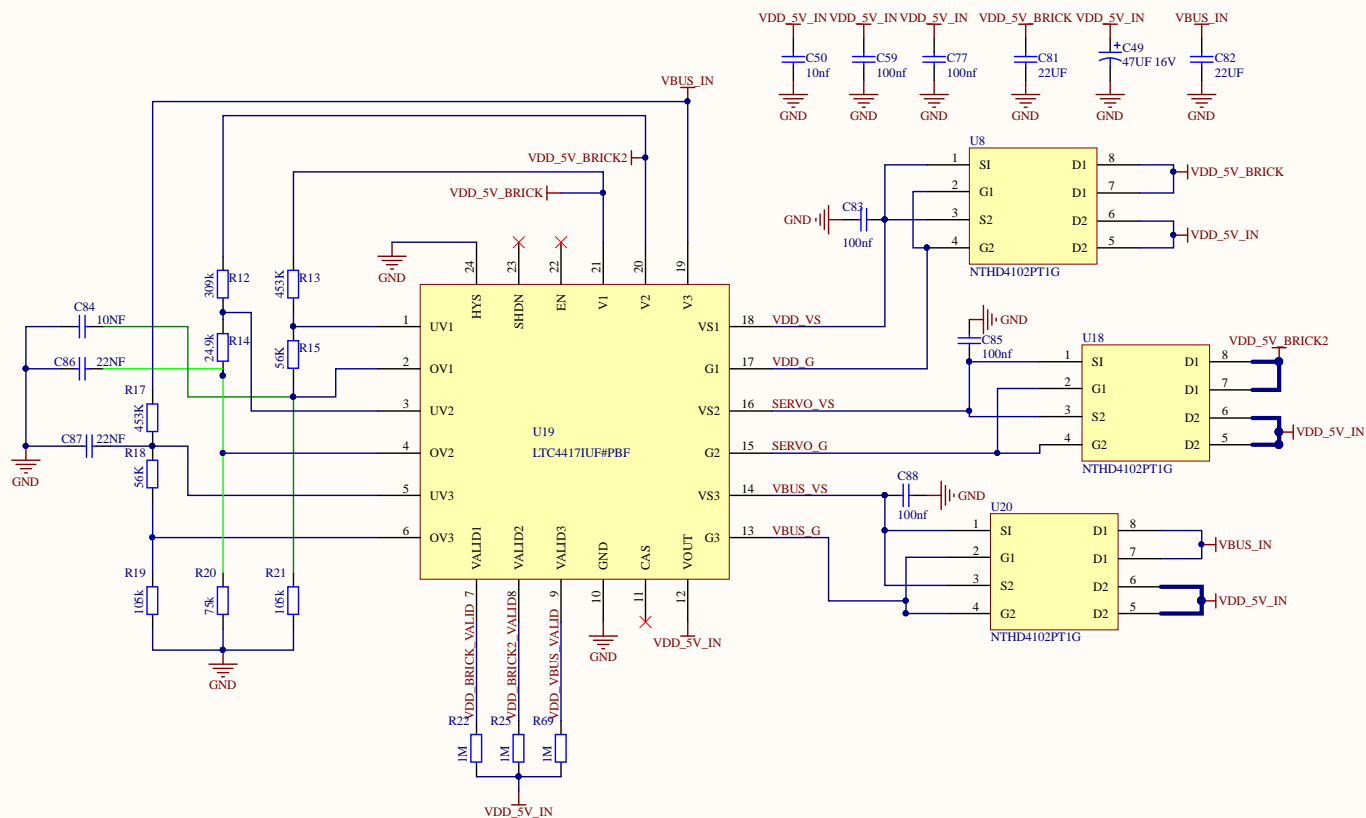
DATA Interface



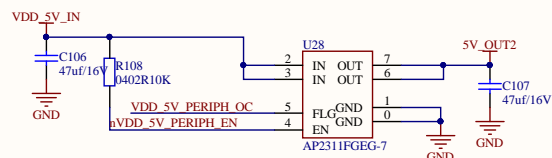
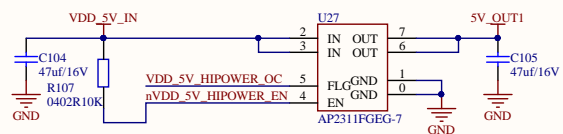
PWM I/O



POWER SWITCH



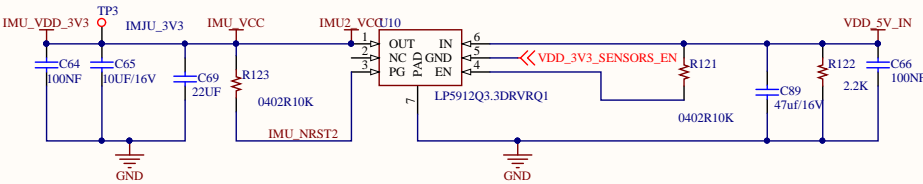
Output current up to 3A



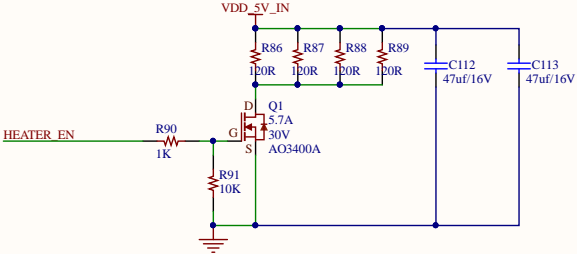
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IMU Power



1 Watt Heater for Offboard Sensors
200 mA Load



IMU

