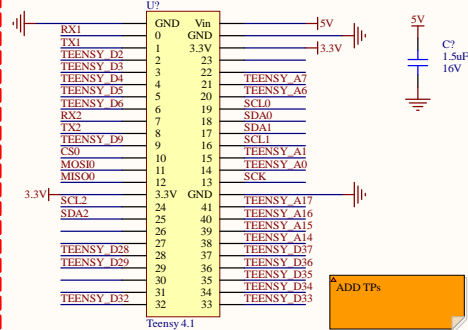


Teensy 4.1



GPIOs:

Outputs:

Inputs:
PWR_SRC (pulled up): high = usb pwr, low = bat pwr

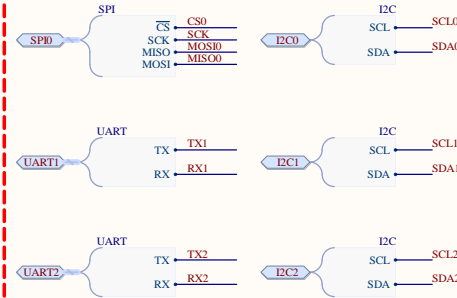
Bidirectional:

Analog Inputs:

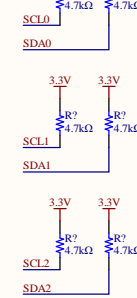
Need to update table once schematic finished

ADD TP's

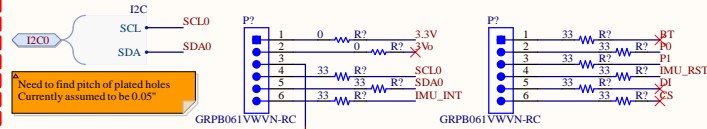
Serial I/O Mapping



I2C Pullups



IMU



IMU Communication Select

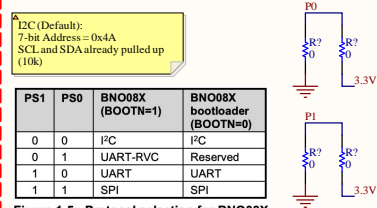


Figure 1-5: Protocol selection for BNO08X

Replace 0402 resistors with 0805 resistors or 0603 resistors

GPIO Breakout Connector

External Buttons

External LEDs

Project Name: Capstone PCB.PrjPcb

Drawer: Cameron Gordon & Elise Cooke

Variant: [No Variations]

Revision: V1.0

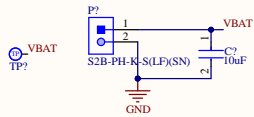
Date: 8/14/2023

Page: 1 of 4

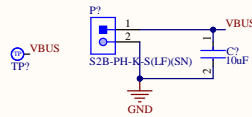
Capstone 2023



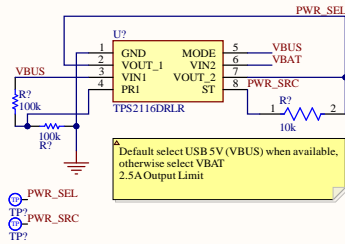
Battery Connector



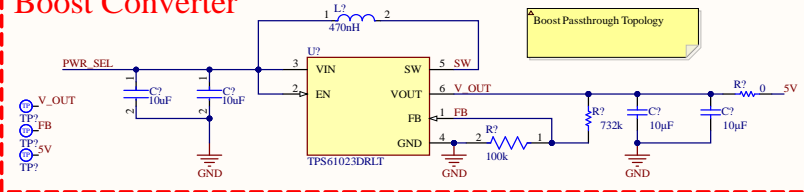
USB 5V Connector



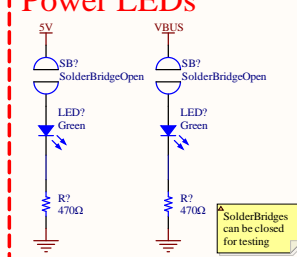
Power MUX



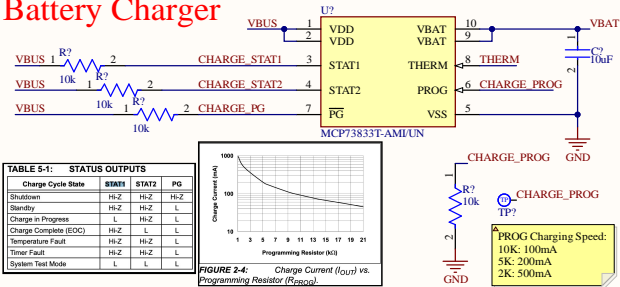
Boost Converter



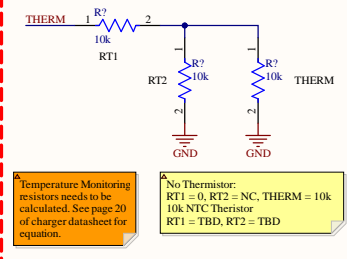
Power LEDs



Battery Charger



Charge Temperature Set



Replace 0402 resistors with 0805 resistors or 0603 resistors

Project Name: Capstone PCB.PrjPcb

Drawer: Cameron Gordon & Elise Cooke

Variant: [No Variations]

Revision: V1.0

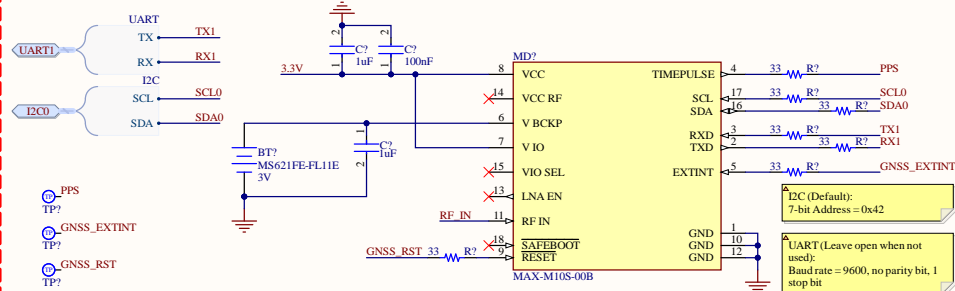
Date: 8/14/2023

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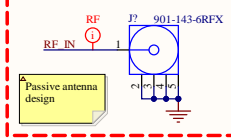
Capstone 2023



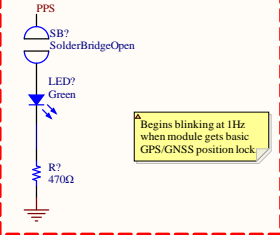
GNSS Module



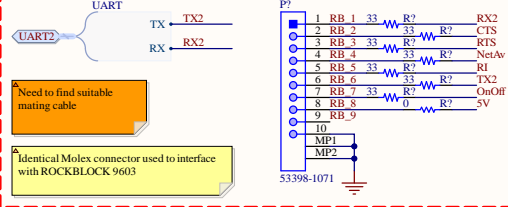
GNSS Antenna



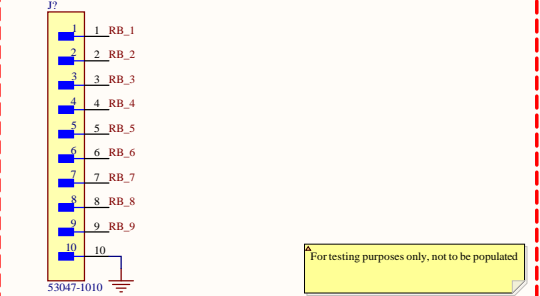
Position Lock LED



ROCKBLOCK 9603 Connector



ROCKBLOCK 9603 Breakout Header



Project Name: Capstone PCB.PrjPcb

Drawer: Cameron Gordon & Elise Cooke

Variant: [No Variations]

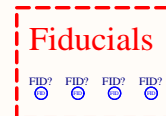
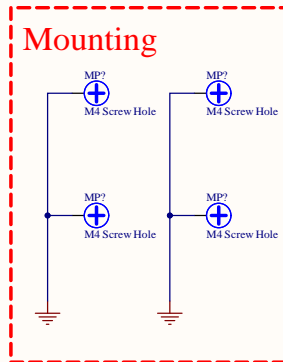
Revision: V1.0

Date: 8/14/2023

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Capstone 2023





Project Name: Capstone PCB.PrjPcb

Drawer: Cameron Gordon & Elise Cooke

Variant: [No Variations]

Revision: V1.0

Date: 8/14/2023

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Capstone 2023

