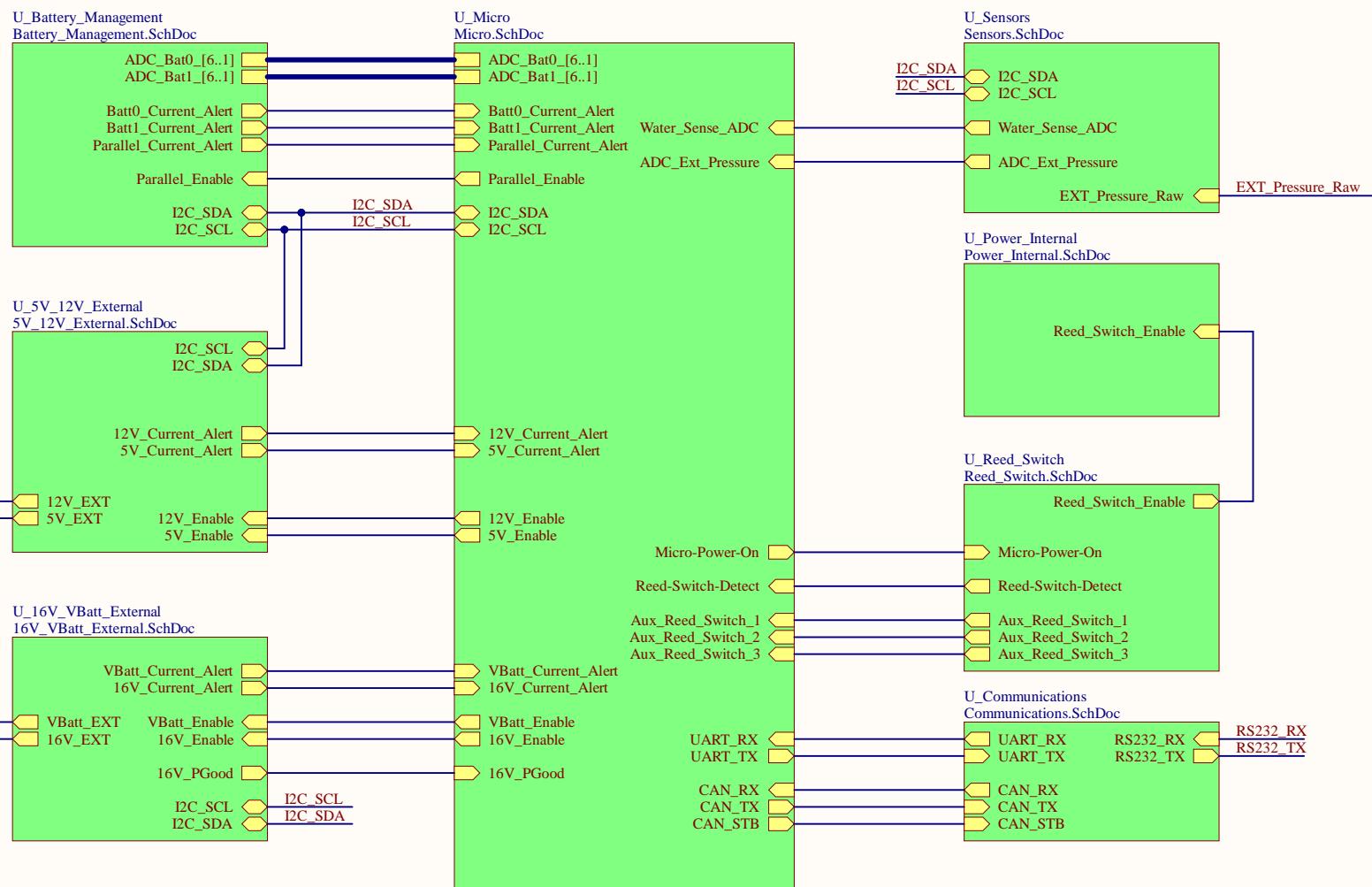


A

A



B

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Title

Size

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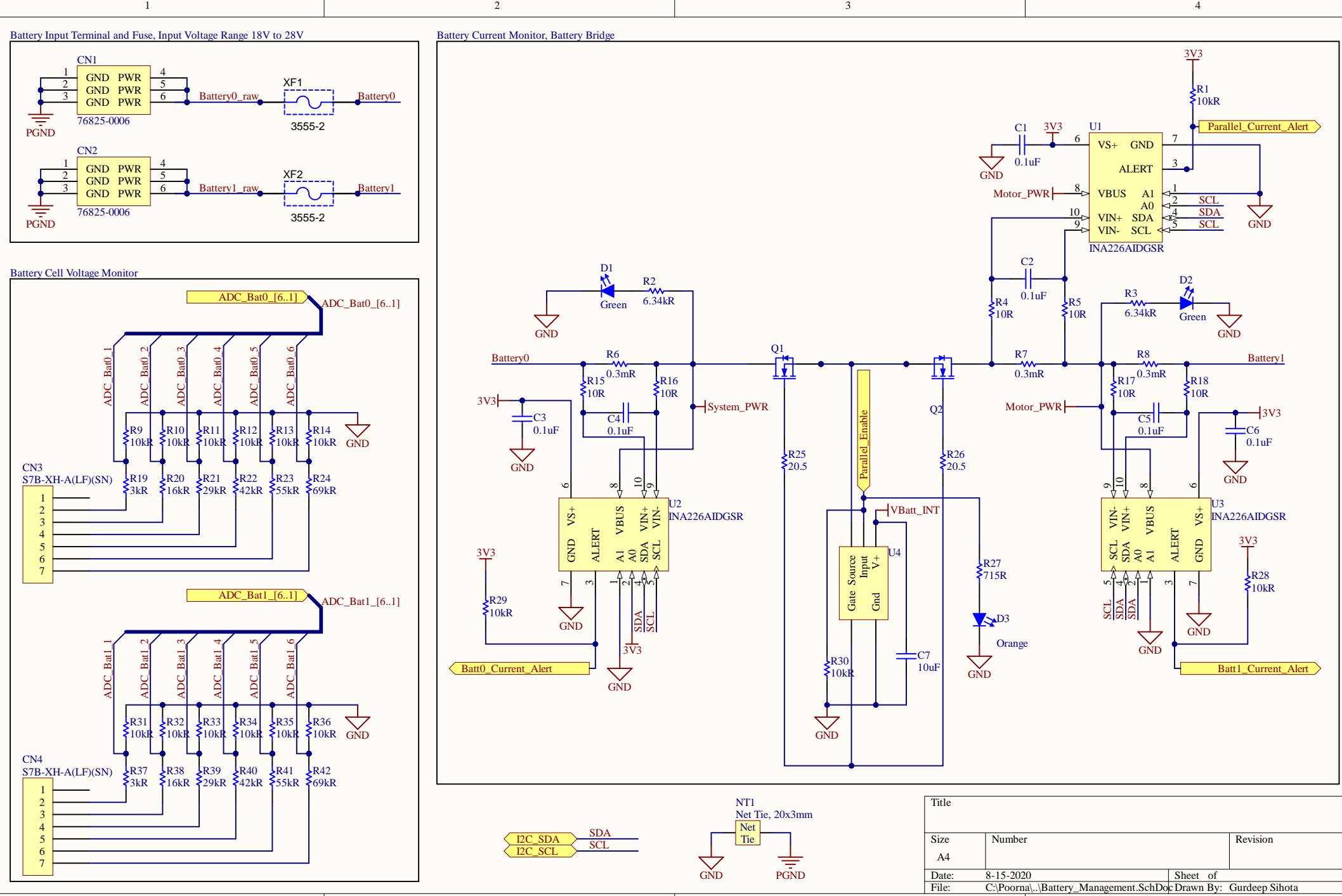
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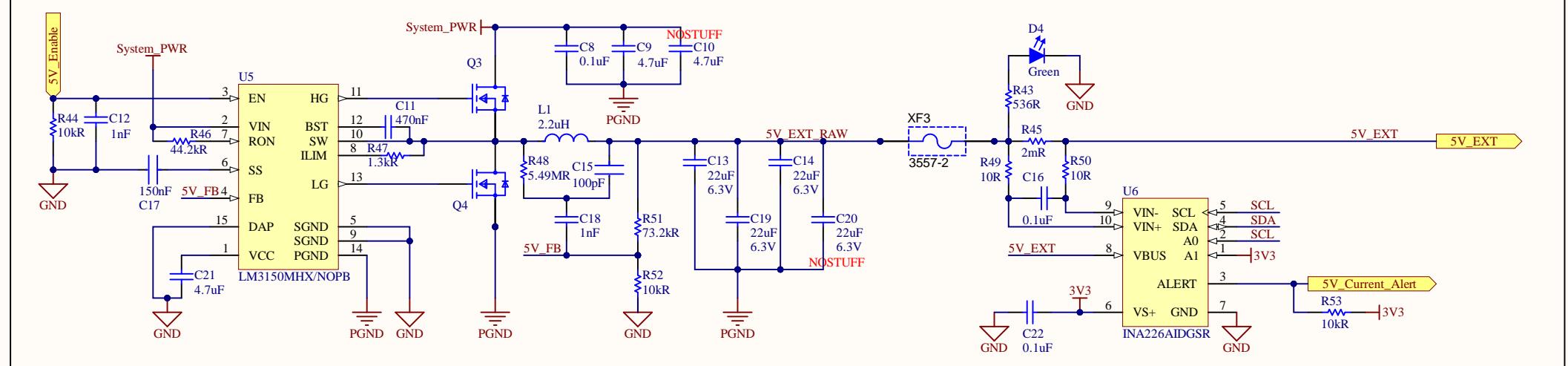
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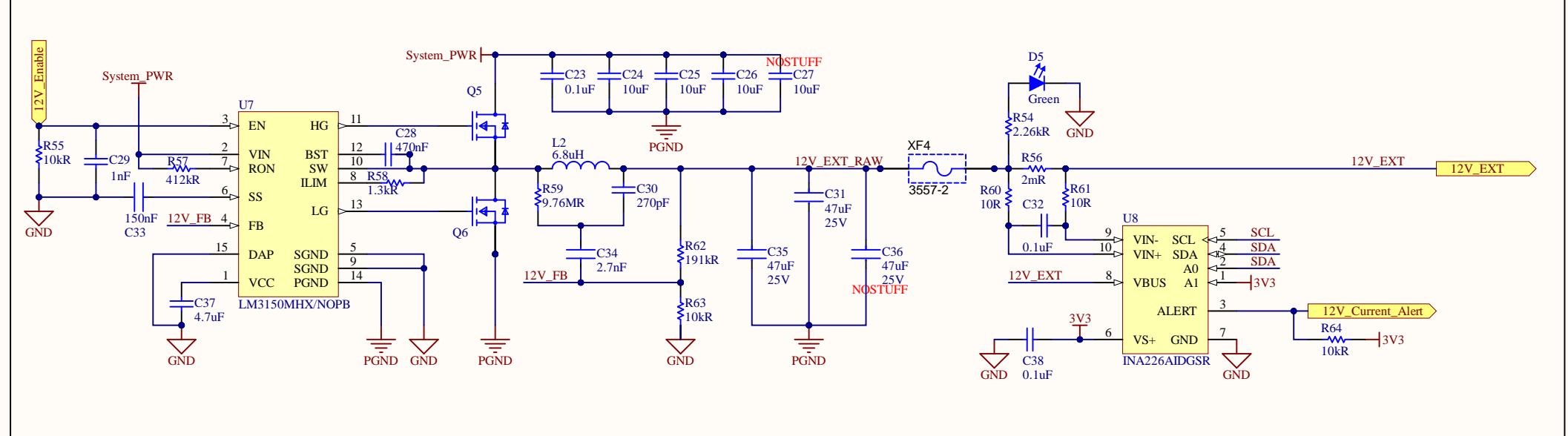


1 2 3 4

5V External Supply, 10A



12V External Supply, 10A

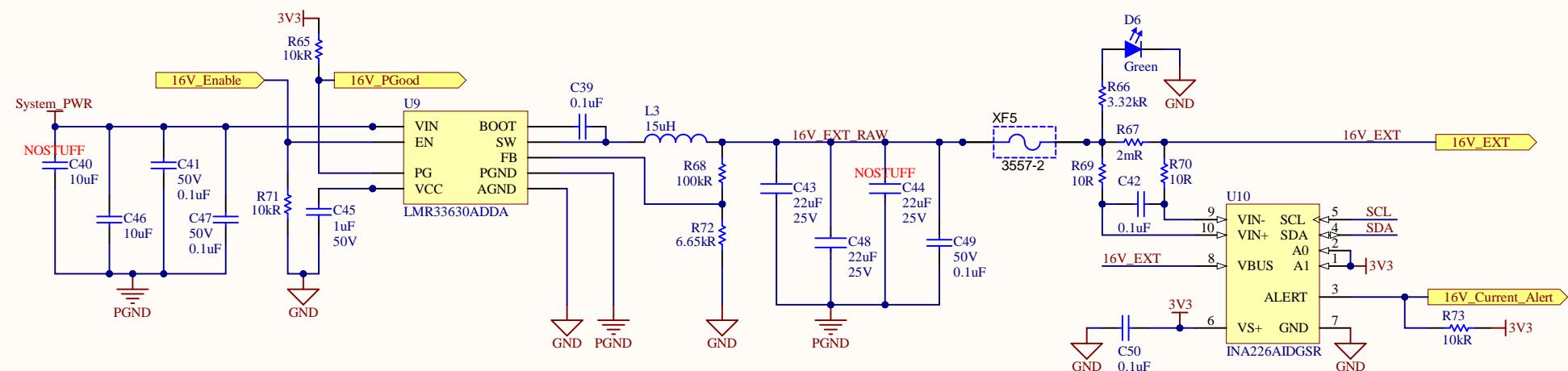


I2C_SCL SCL
I2C_SDA SDA

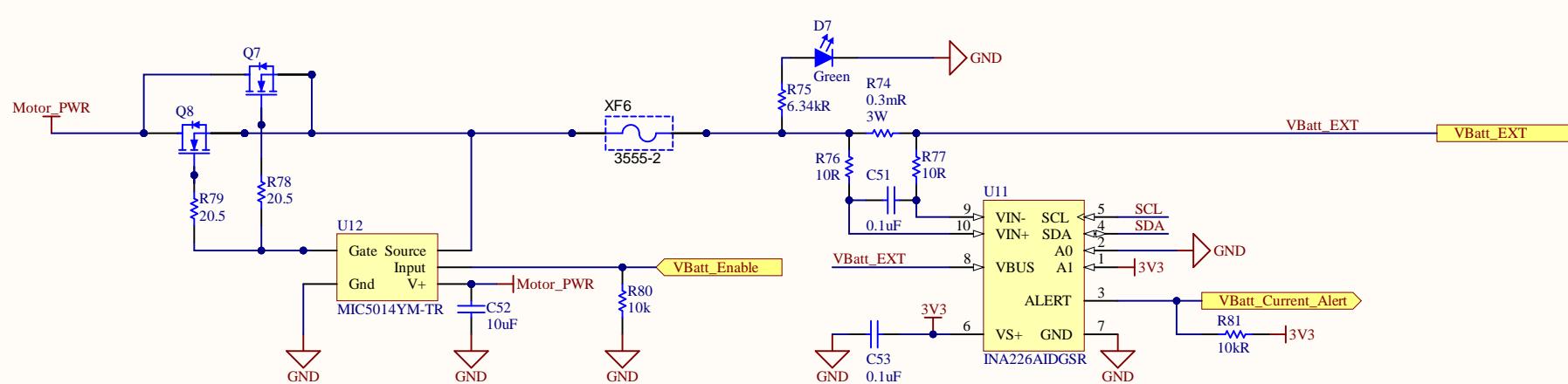
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1 2 3 4

16V External Supply, 3A



VBatt External Supply, 18V to 28V, 60A

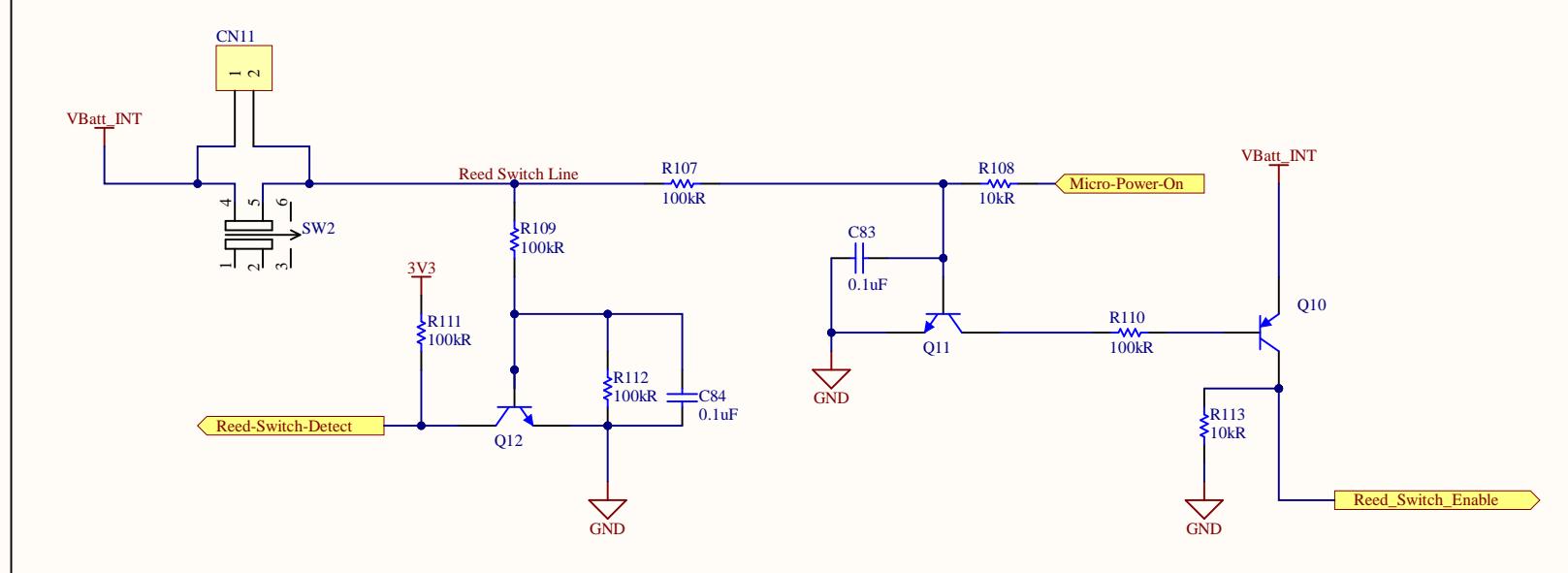


I2C_SCL
I2C_SDA

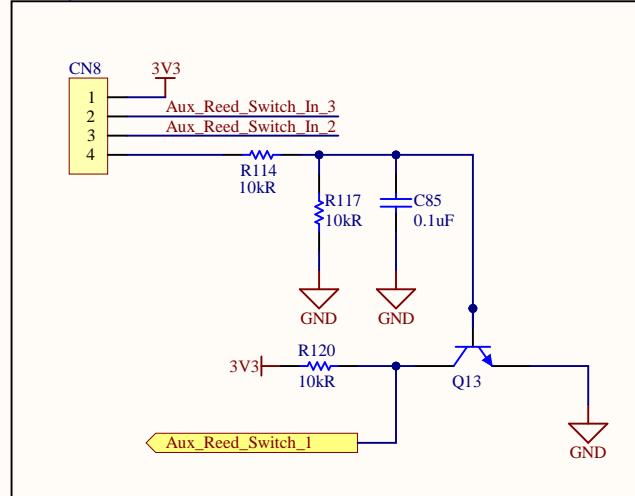
SCL
SDA

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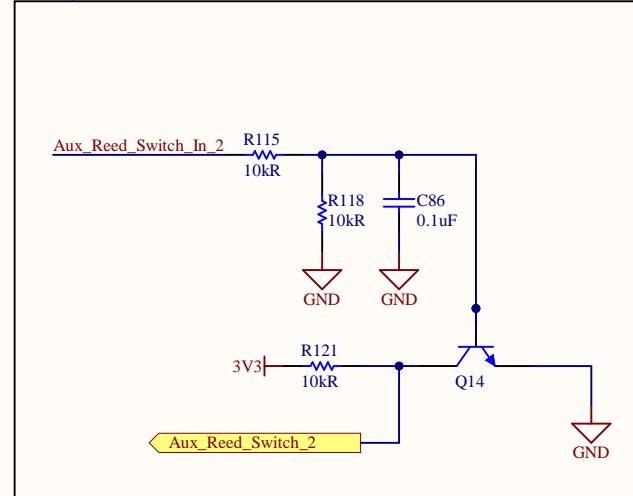
Power Reed Switch



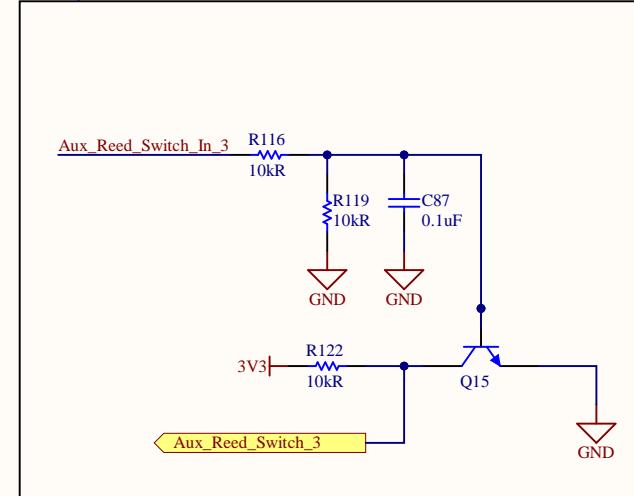
Auxiliary Reed Switch 1



Auxiliary Reed Switch 2



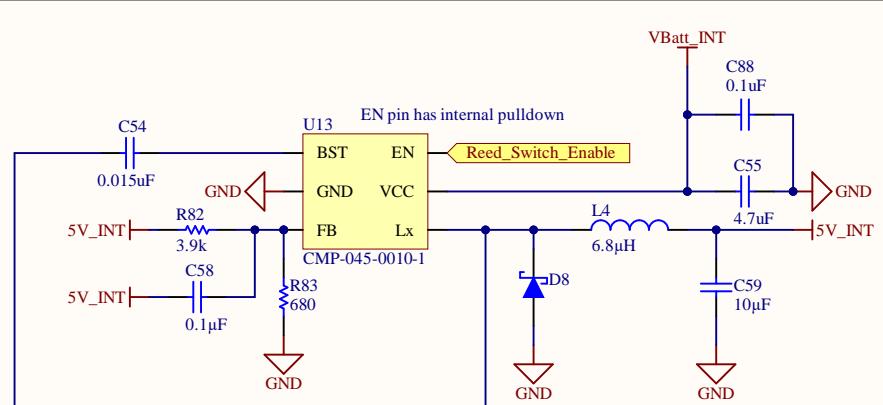
Auxiliary Reed Switch 3



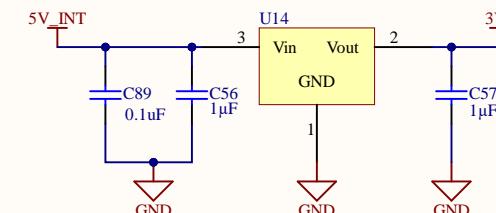
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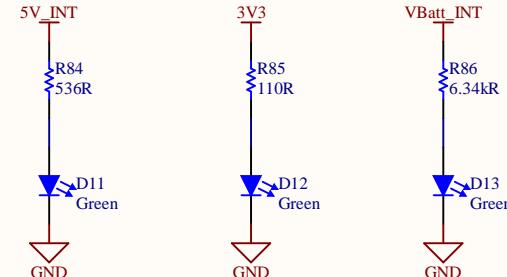
5V Internal Supply, 500mA



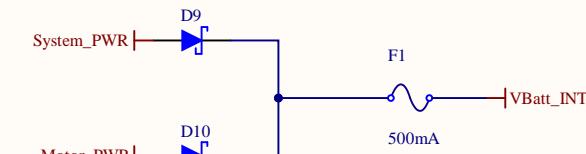
3V3 Internal Supply, 250mA



Status LEDs

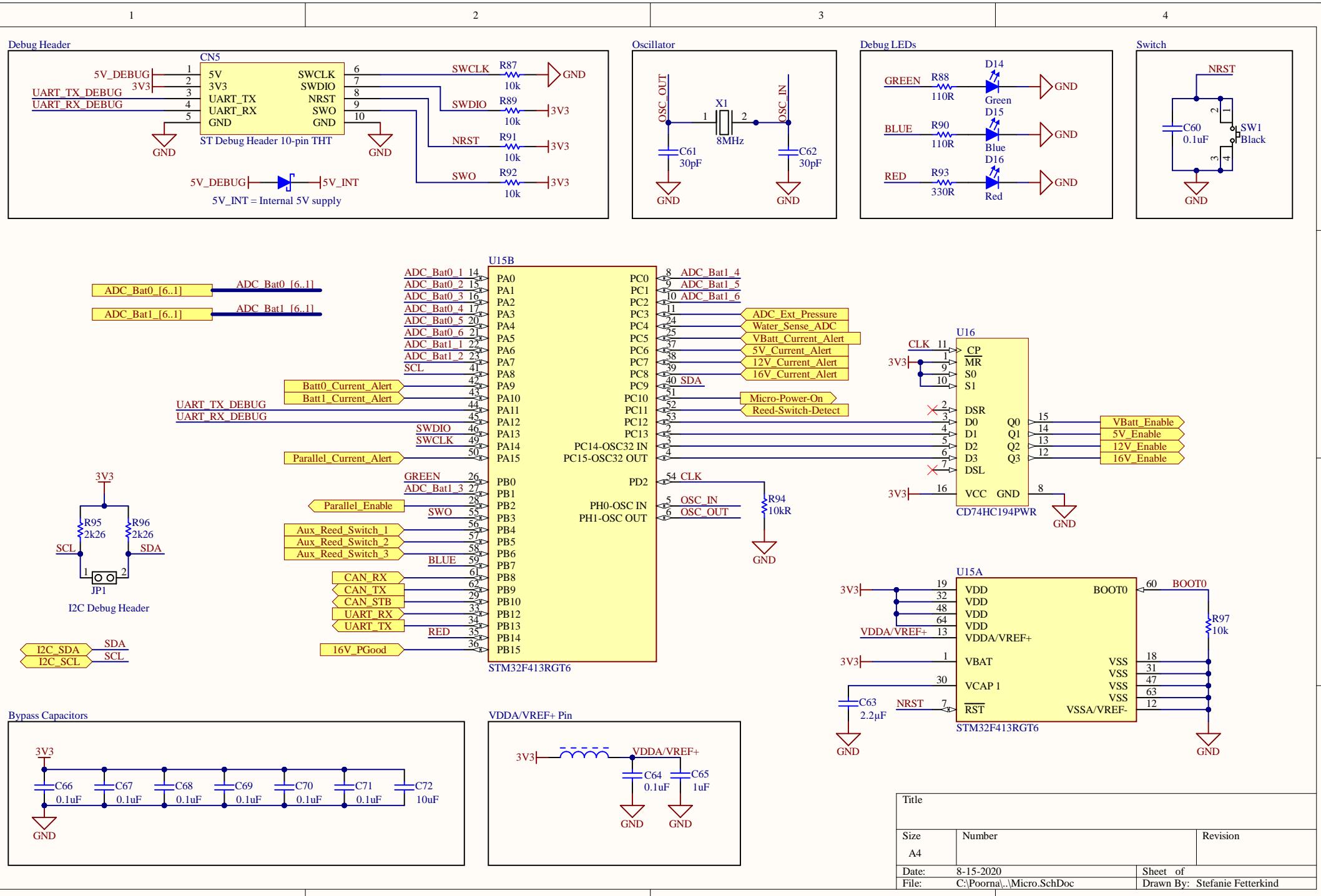


VBatt Internal Supply, 500mA

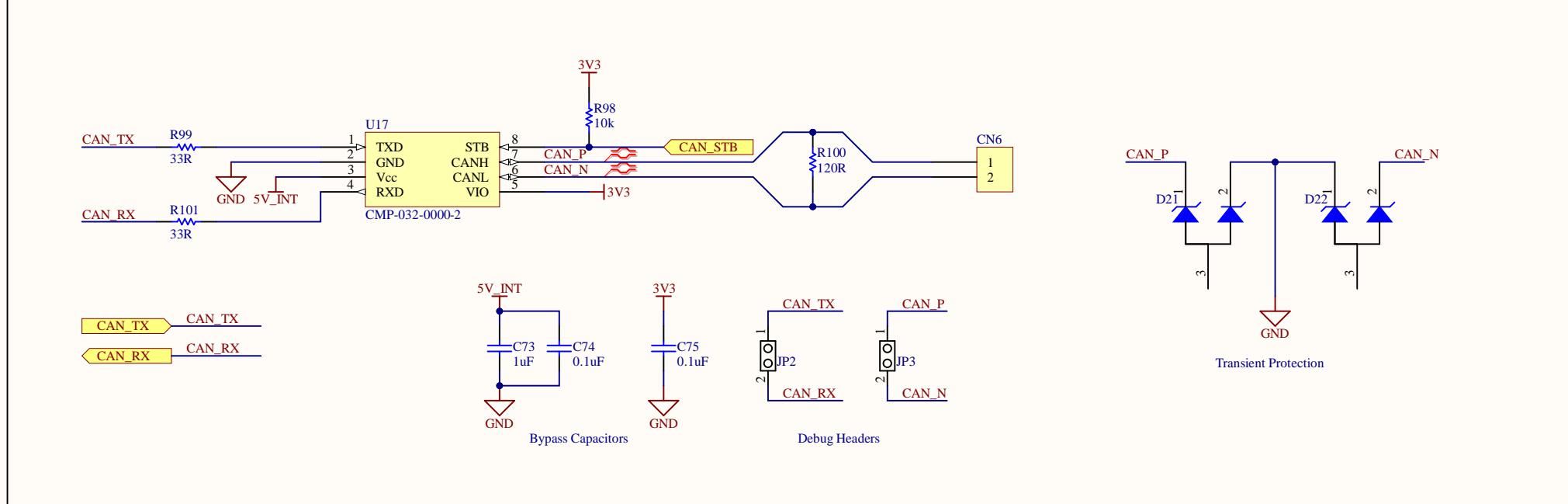


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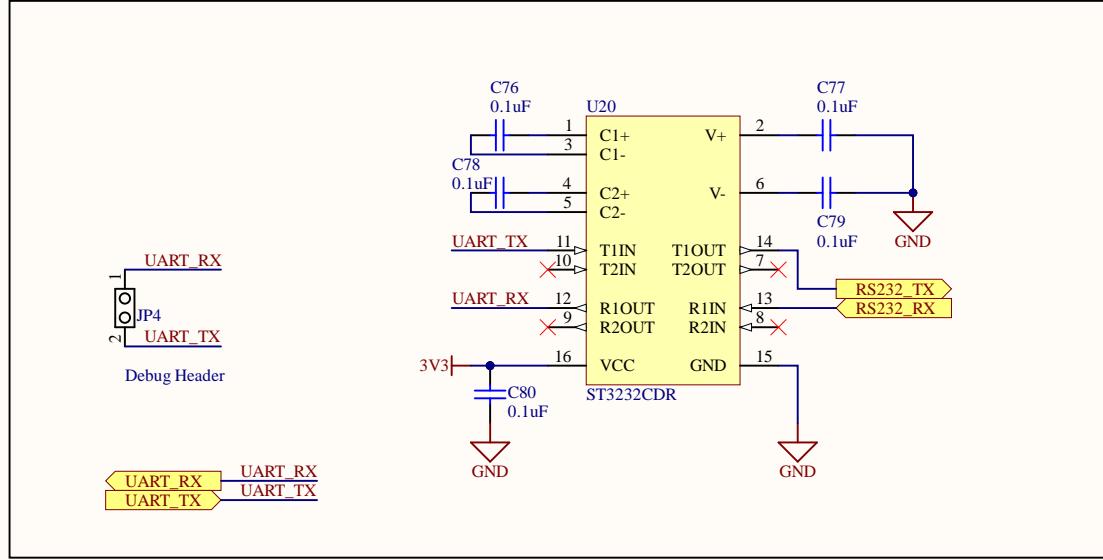
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CAN Tranceiver



RS232 Tranceiver



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Drawn By: Stefanie Fetterkind

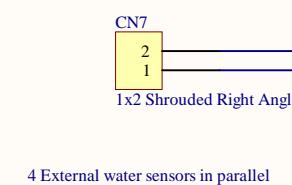
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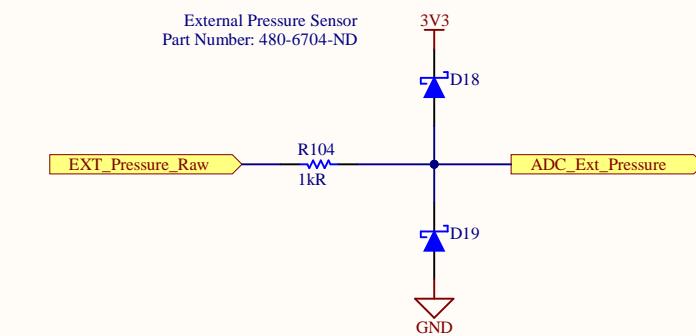
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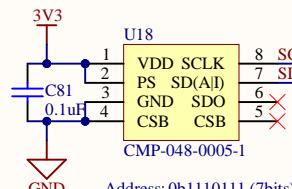
Water Sensor



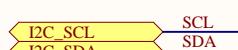
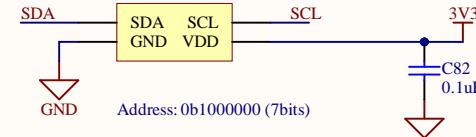
External Pressure Sensor



Internal Pressure Sensor (Housing Pressure)



Internal Pressure Sensor (Housing Pressure)



Title		
Size	Number	Revision
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Date:	8-15-2020	Sheet of
File:	C:\Poorna...\\Sensors.SchDoc	Drawn By: Jessica Jiang

1

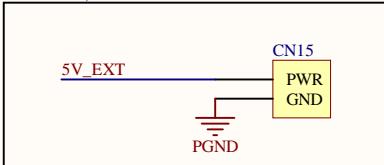
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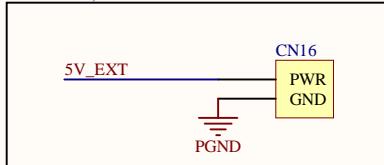
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5V

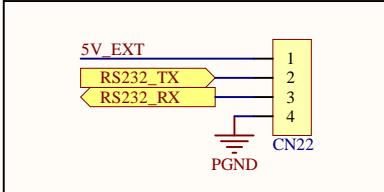
LCD Board, 5V @ 4A



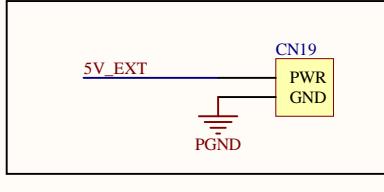
Unallocated, 5V



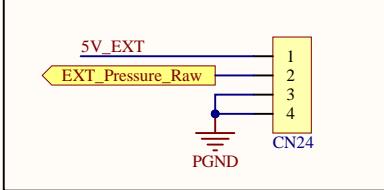
IMU, 5V @ 500mA



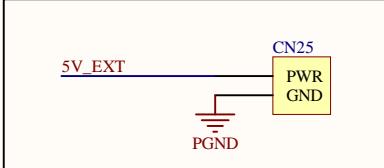
Unallocated, 5V



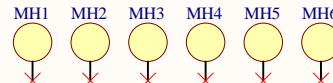
Depth Sensor, 5V @ 3mA



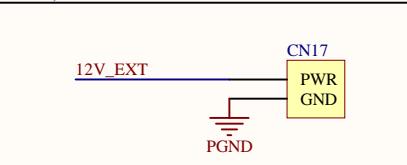
Hydrophones, 5V @ 250mA



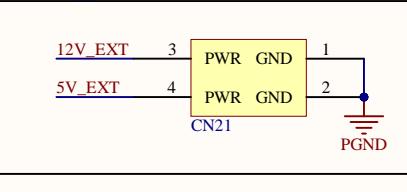
5V_EXT	5V_EXT
12V_EXT	12V_EXT
16V_EXT	16V_EXT
VBatt_EXT	VBatt_EXT

**12V**

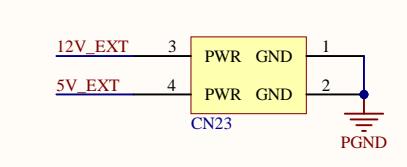
DVL, 12V @ 3A



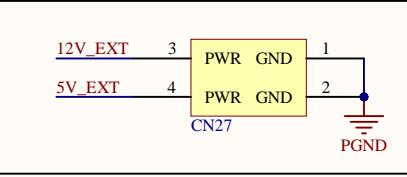
Ball Dropper and Grabber Arm, 12V @ 3A



Unallocated, 12V

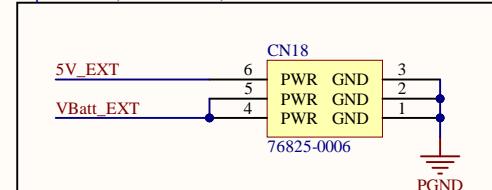


Unallocated, 12V

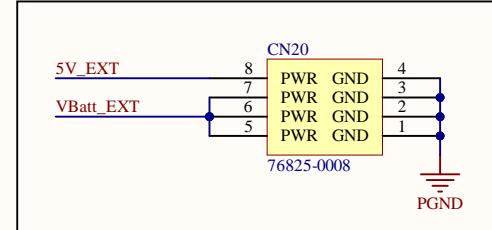
**VBatt**

18V to 28V

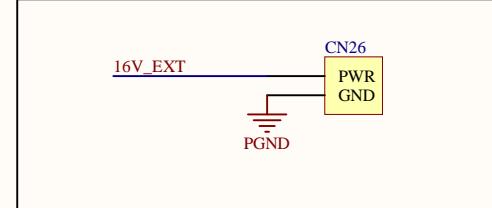
Topedo Board, VBatt @ 30A, 5V @ 250mA



Motor Controller, VBatt @ 60A, 5V @ 250mA

**16V**

Nvidia Jetson TX2, 16V @ 3A



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File: C:\Poorna\...\External_Connections.SchDoc

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