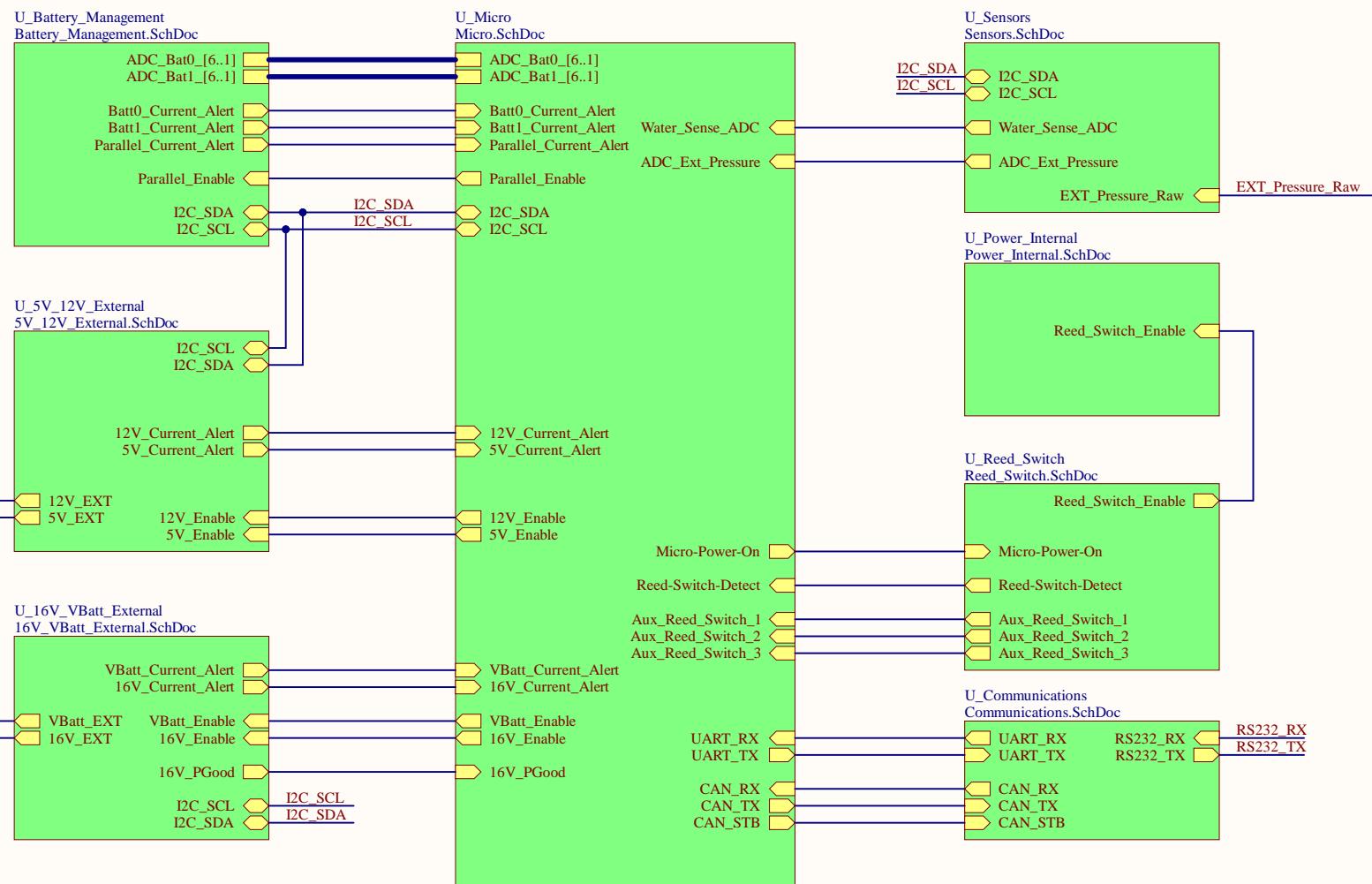


A

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Title

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Number

Revision

Date: 9-04-2020

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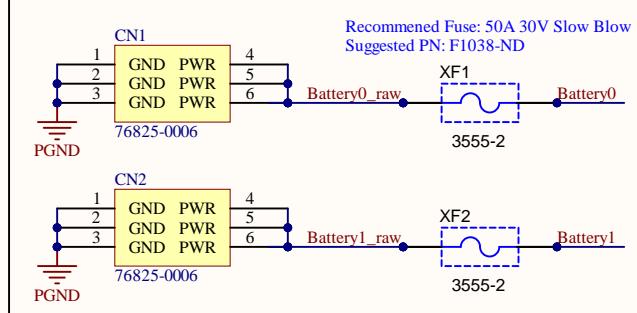
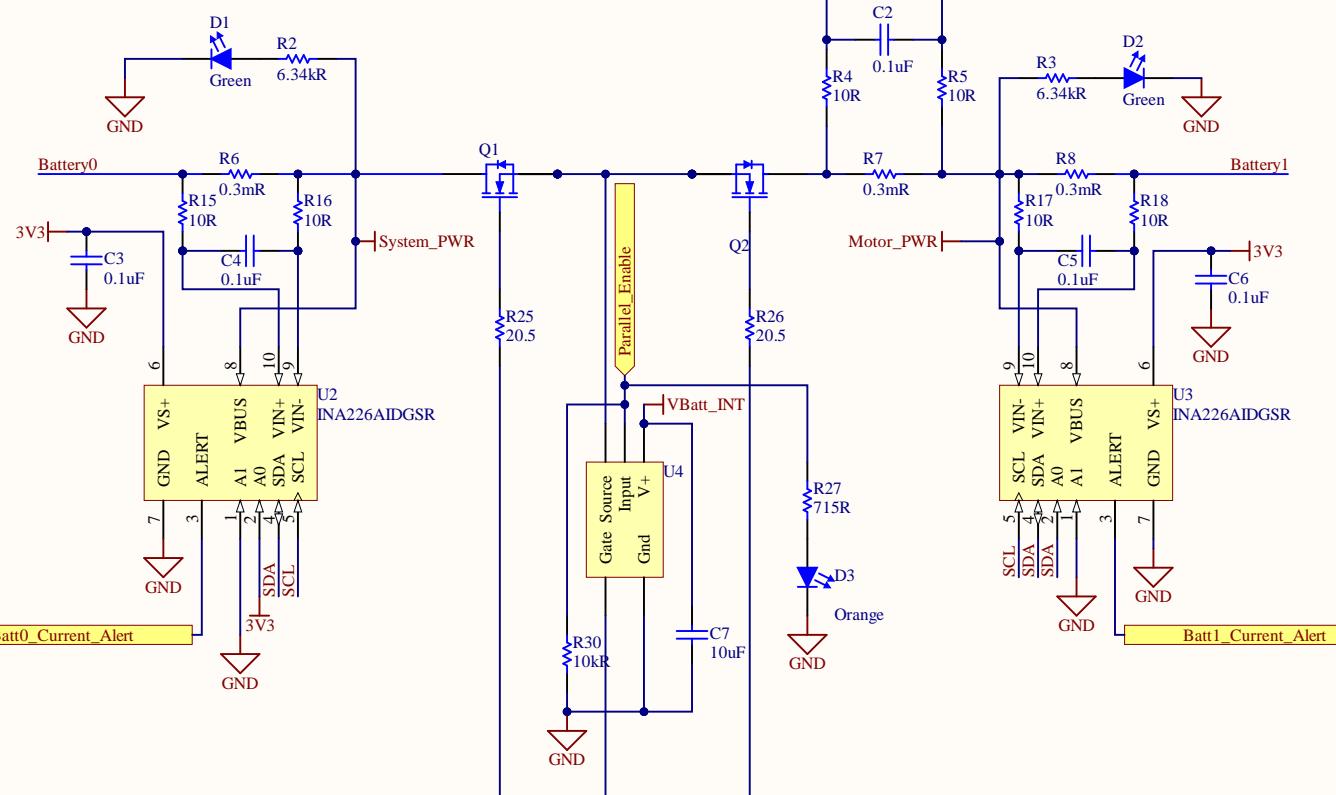
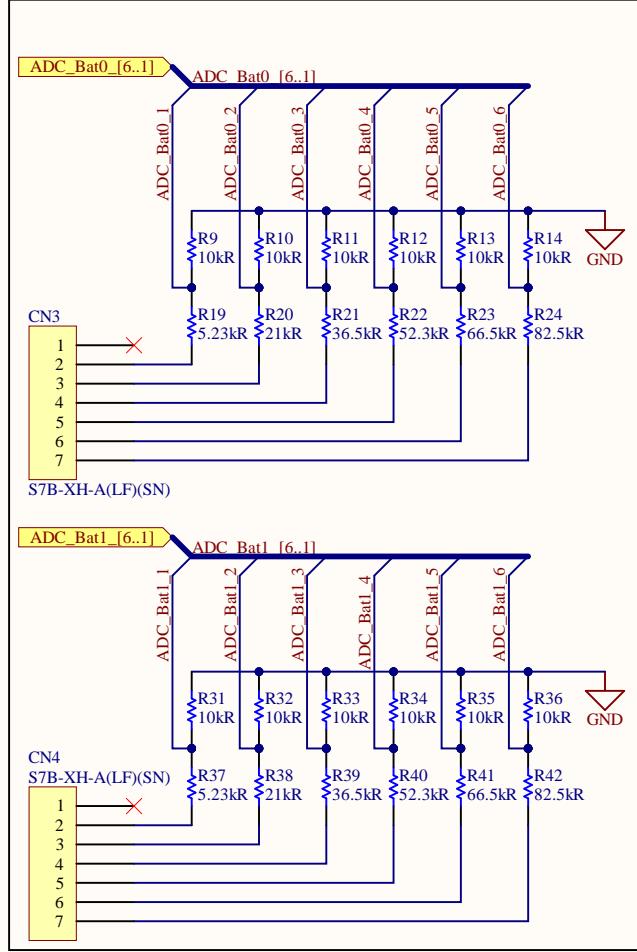
Drawn By:

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Battery Input Terminal and Fuse, Input Voltage Range 18V to 28V

Battery Current Monitor, Battery Bridge

Battery Cell Voltage Monitor


Title

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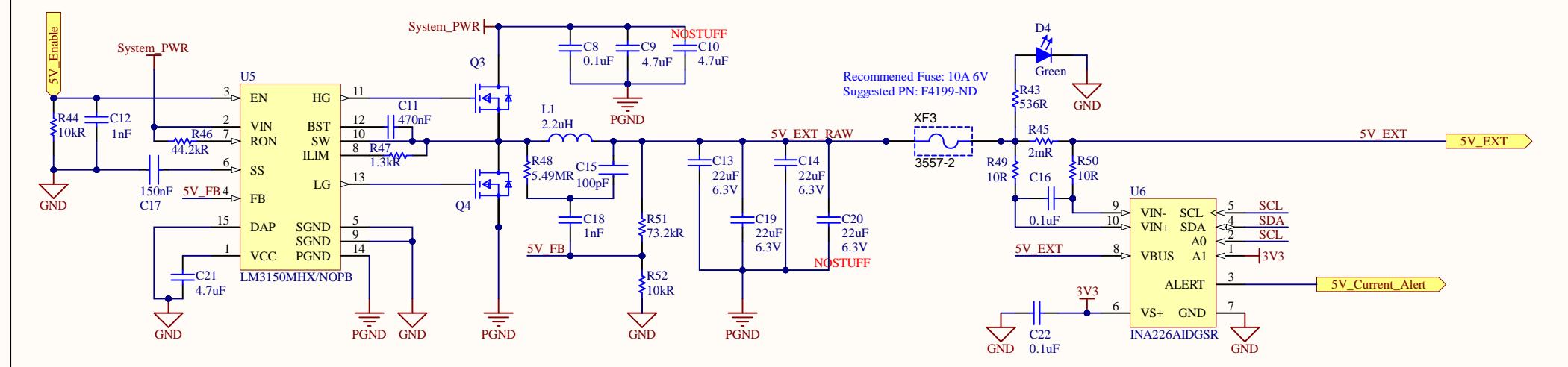
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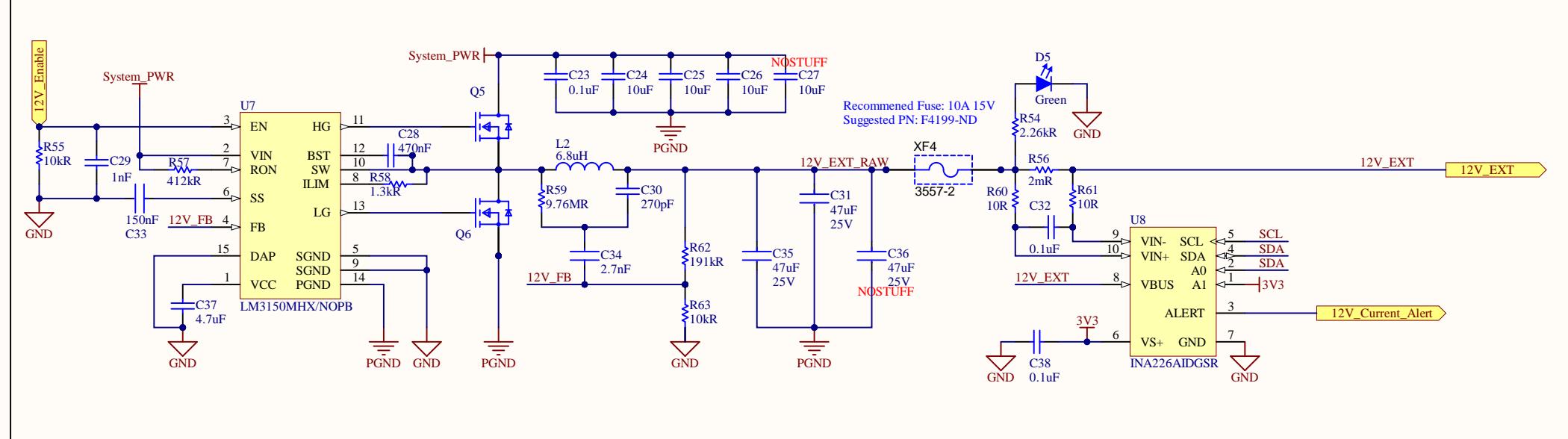
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5V External Supply, 10A



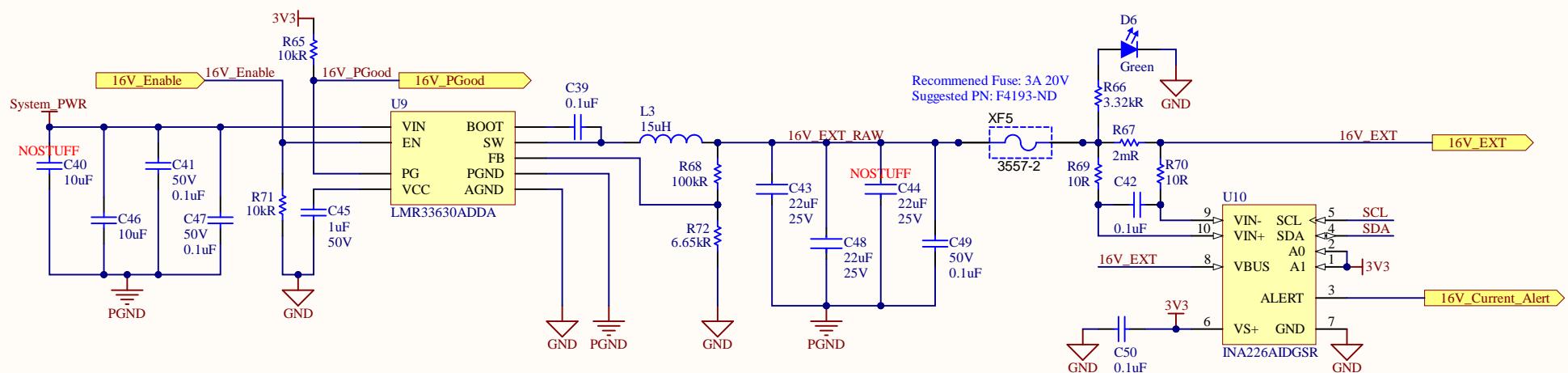
12V External Supply, 10A



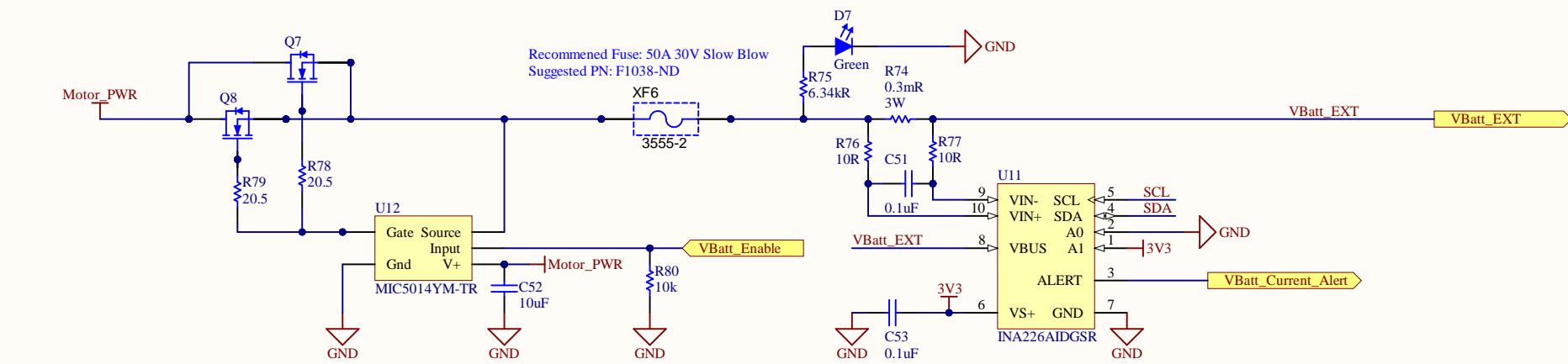
I₂C_SCL SCL
I₂C_SDA SDA

Title		
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A4		
Date: 9-04-2020	Sheet of	
File: C:\Poorna\..\5V_12V_External.SchDoc		Drawn By: Poorna Chander Kalidas

16V External Supply, 3A



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



Title

Size

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Number

Revision

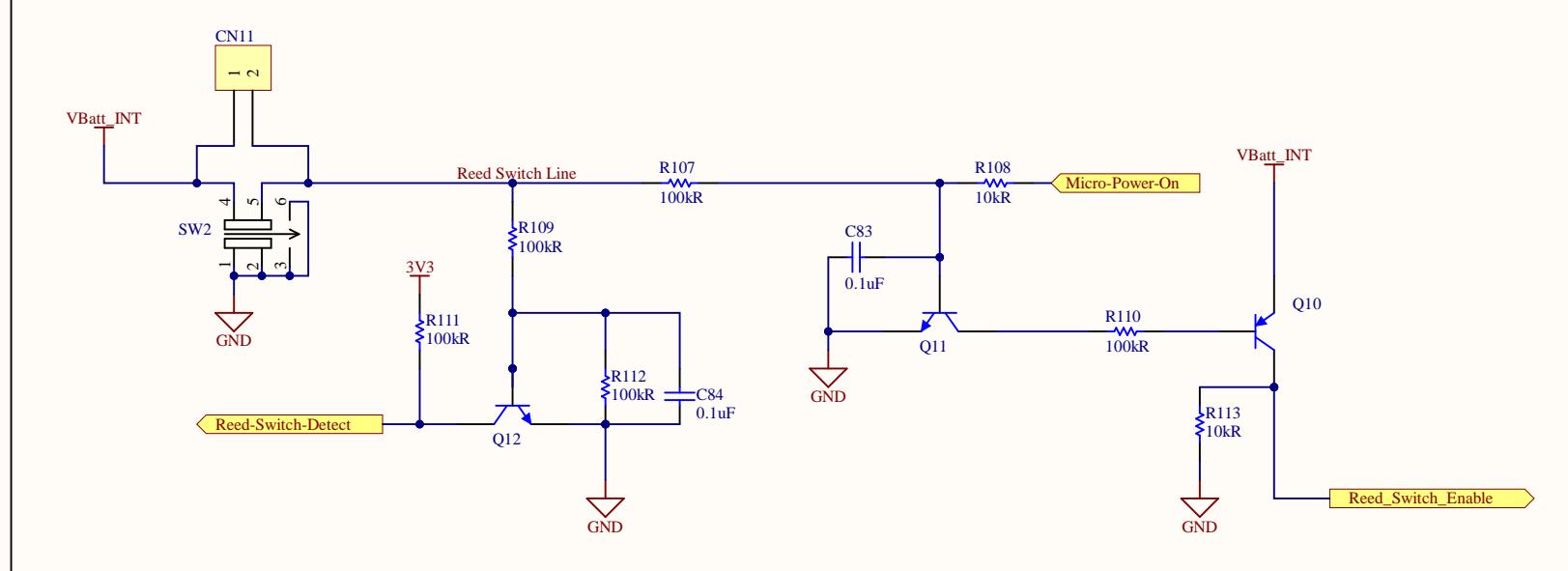
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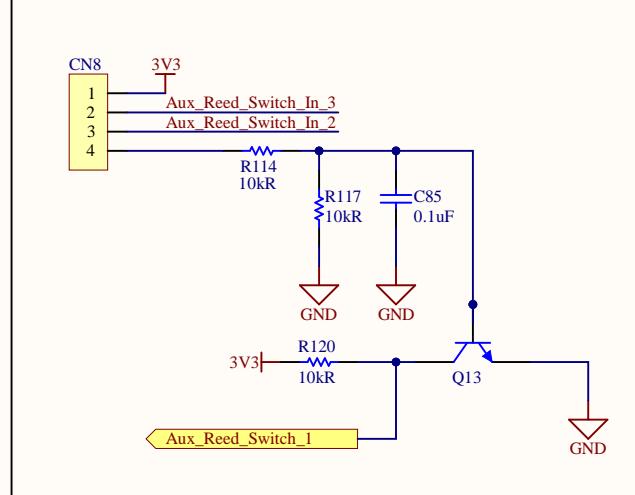
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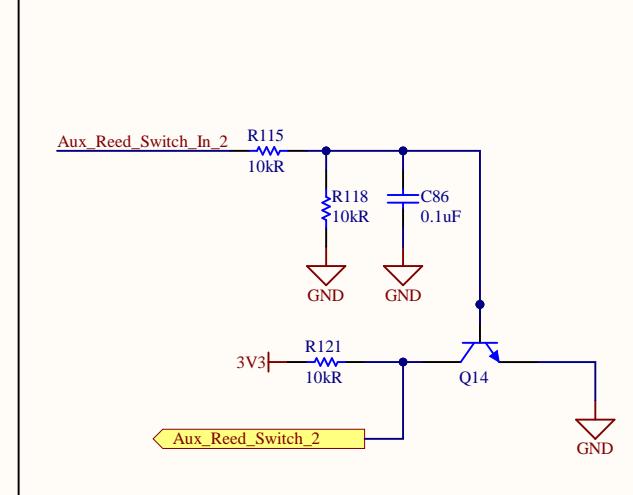
Power Reed Switch



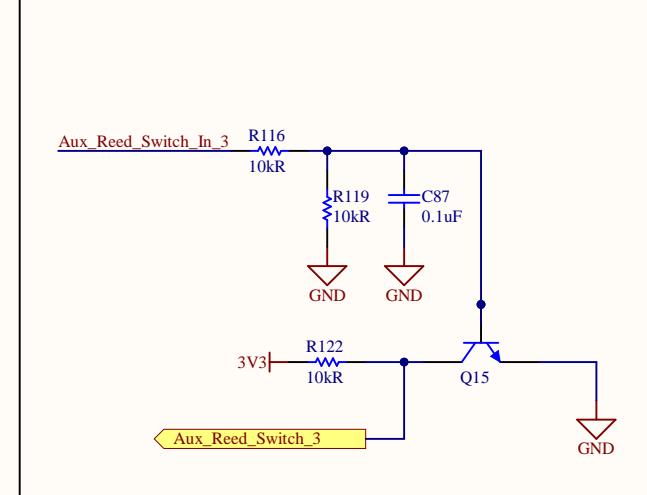
Auxiliary Reed Switch 1



Auxiliary Reed Switch 2



Auxiliary Reed Switch 3

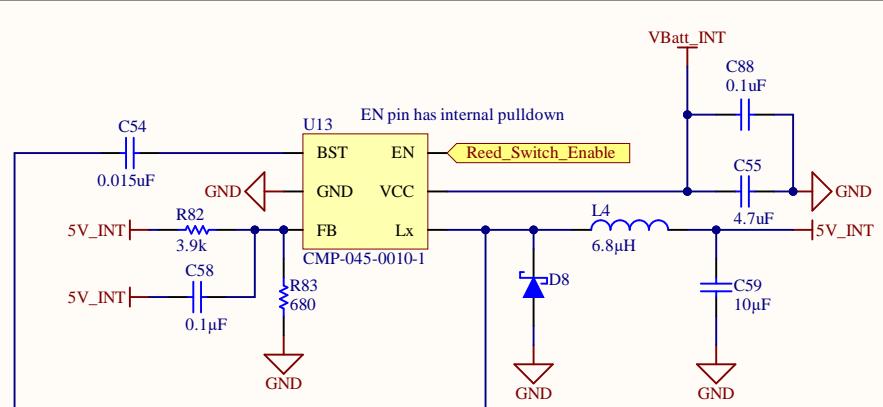


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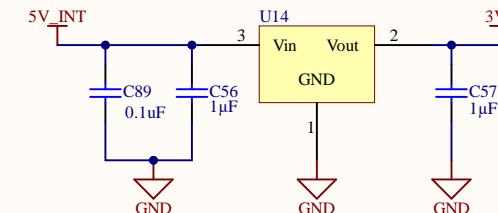
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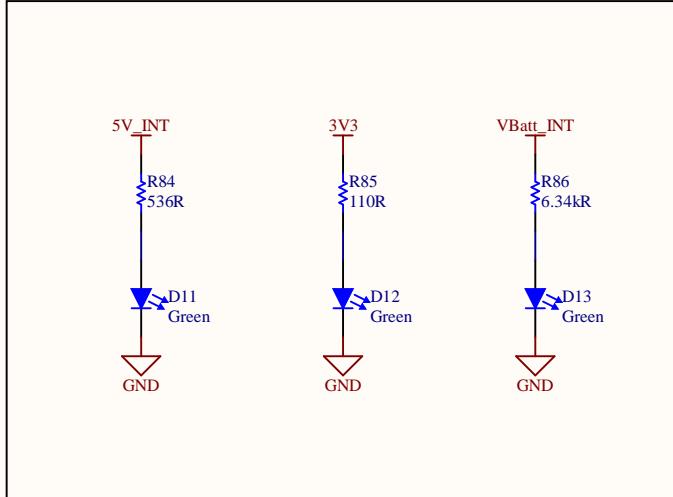
5V Internal Supply, 500mA



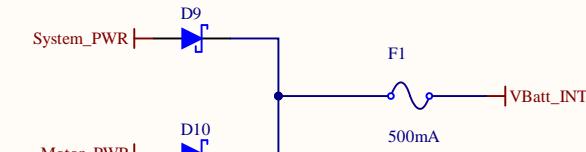
3V3 Internal Supply, 250mA



Status LEDs

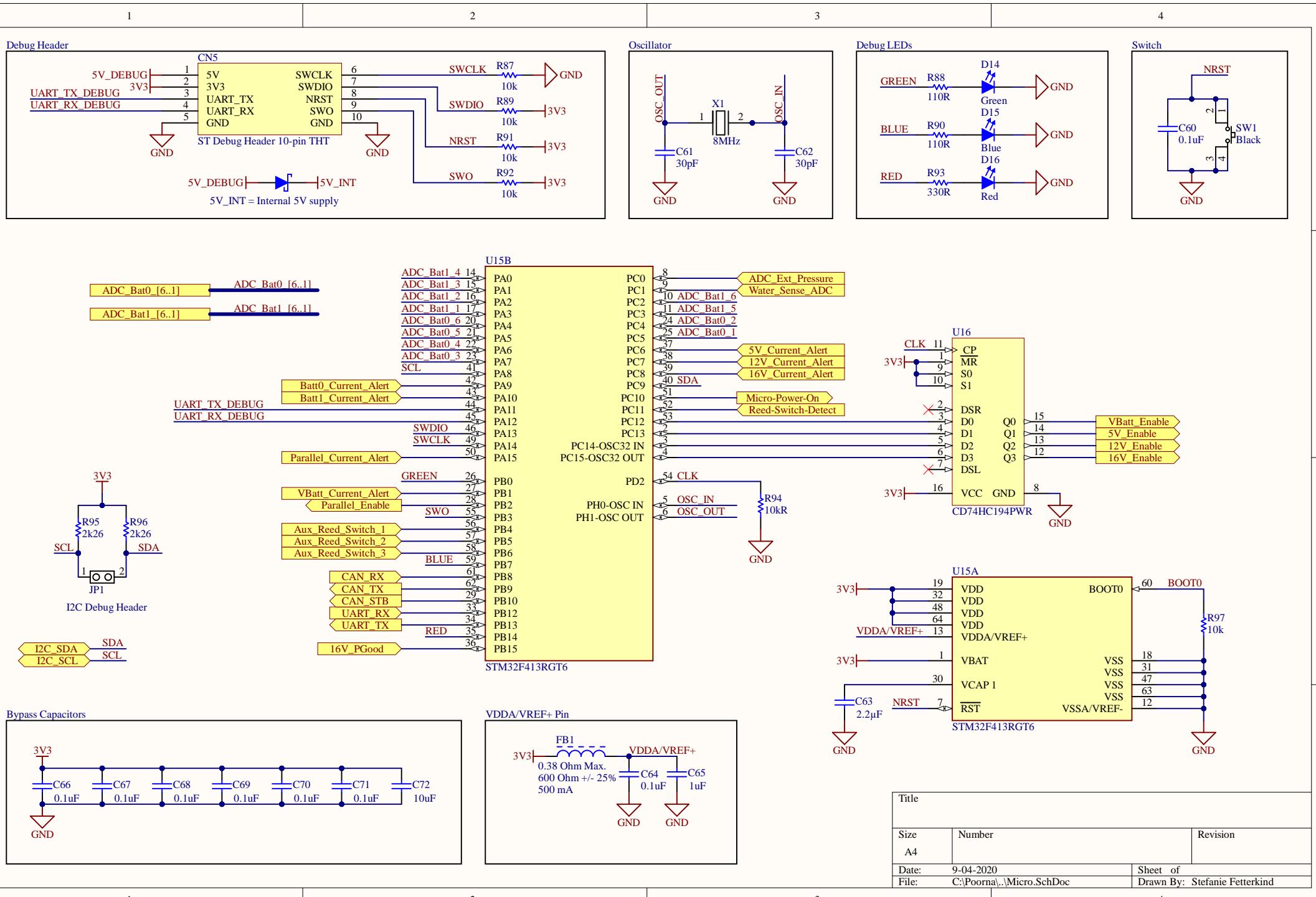


VBatt Internal Supply, 500mA

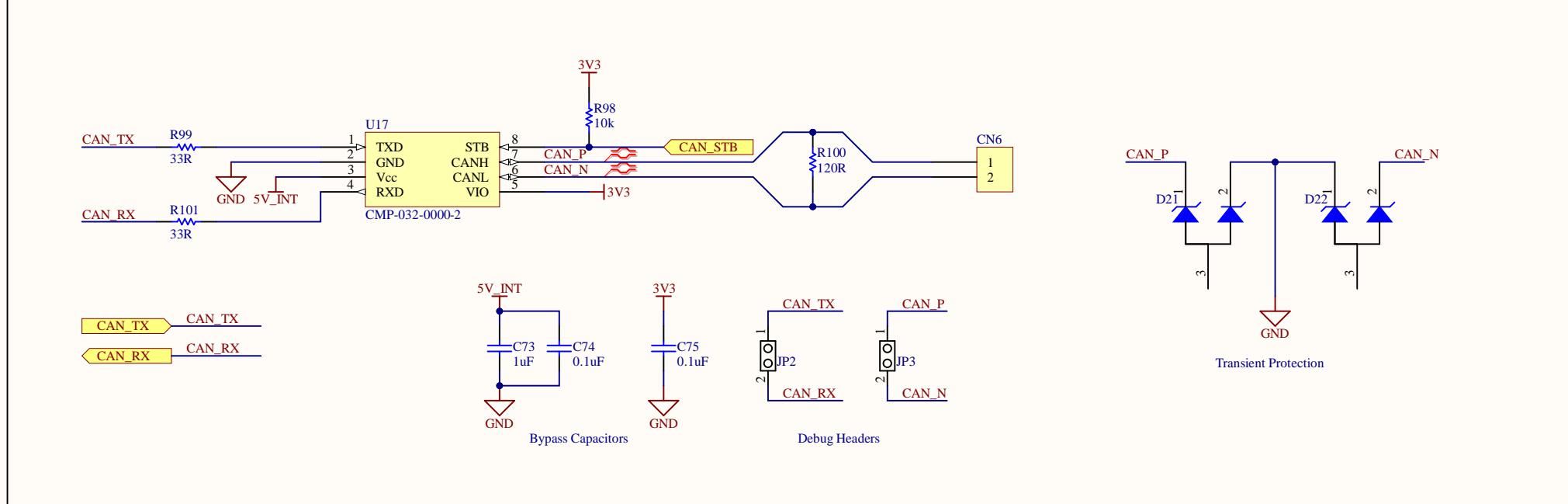


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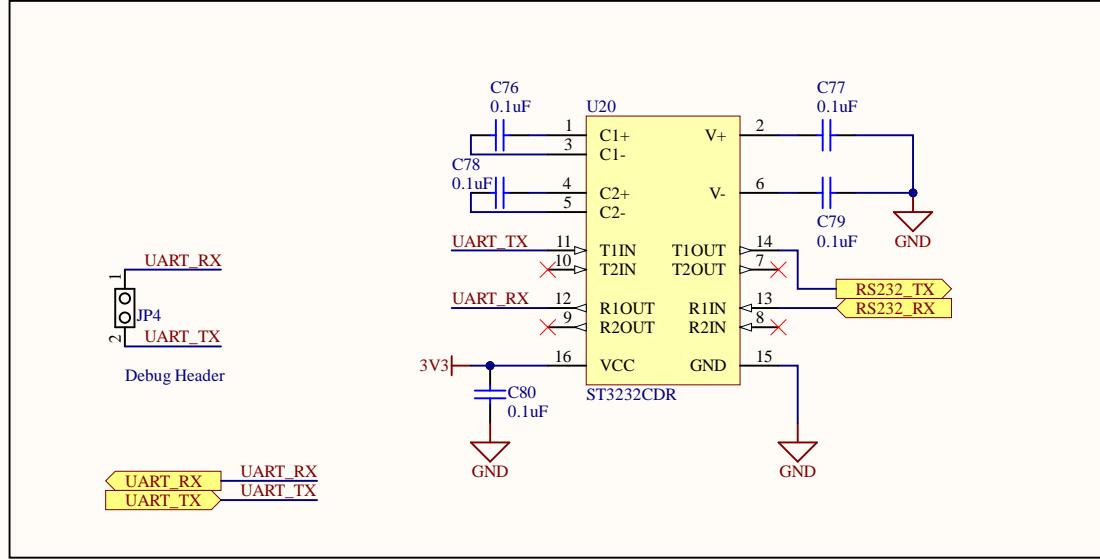
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CAN Tranceiver



RS232 Tranceiver



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Drawn By: Stefanie Fetterkind

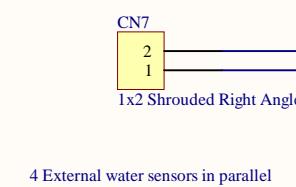
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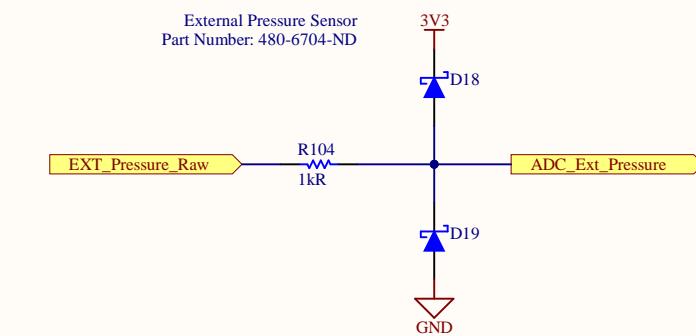
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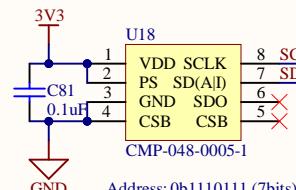
Water Sensor



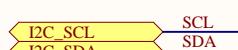
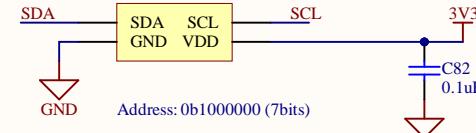
External Pressure Sensor



Internal Pressure Sensor (Housing Pressure)



Internal Pressure Sensor (Housing Pressure)



Title		
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File:	C:\Poorna...\\Sensors.SchDoc	Drawn By: Jessica Jiang

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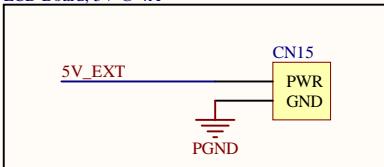
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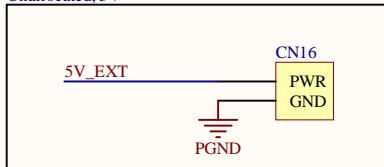
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5V

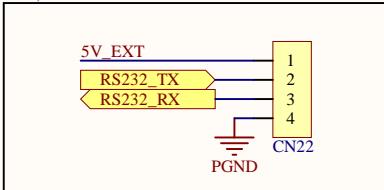
LCD Board, 5V @ 4A



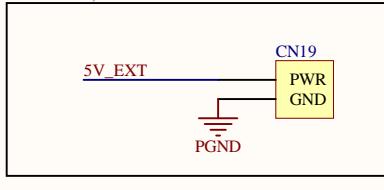
Unallocated, 5V



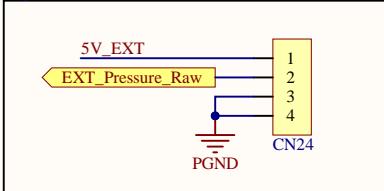
IMU, 5V @ 500mA



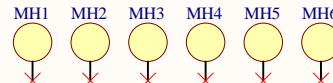
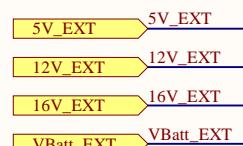
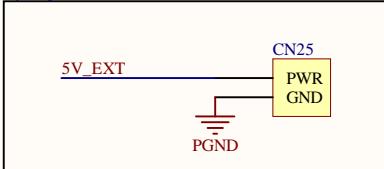
Unallocated, 5V



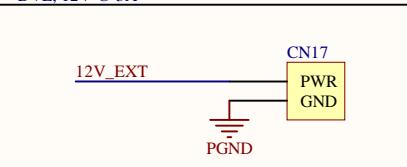
Depth Sensor, 5V @ 3mA



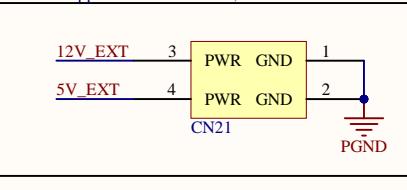
Hydrophones, 5V @ 250mA

**12V**

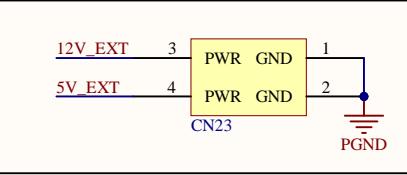
DVL, 12V @ 3A



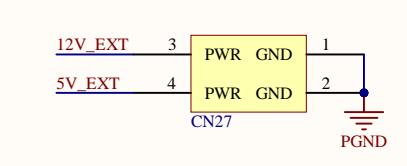
Ball Dropper and Grabber Arm, 12V @ 3A



Unallocated, 12V

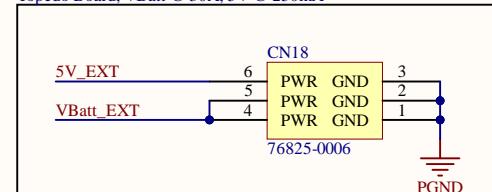


Unallocated, 12V

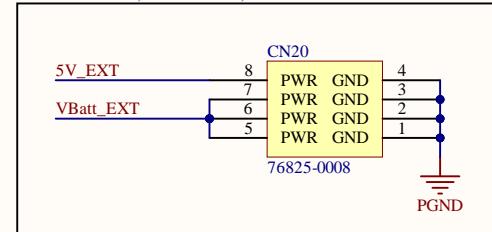
**VBatt**

18V to 28V

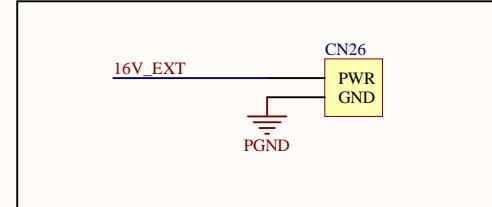
Topedo Board, VBatt @ 30A, 5V @ 250mA



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

**16V**

Nvidia Jetson TX2, 16V @ 3A



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