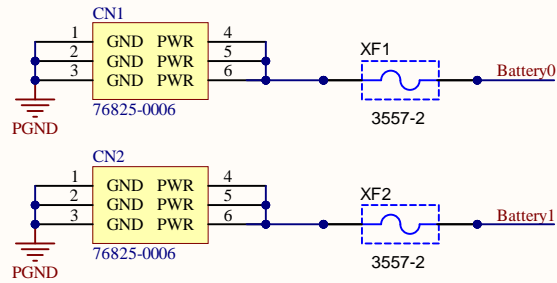
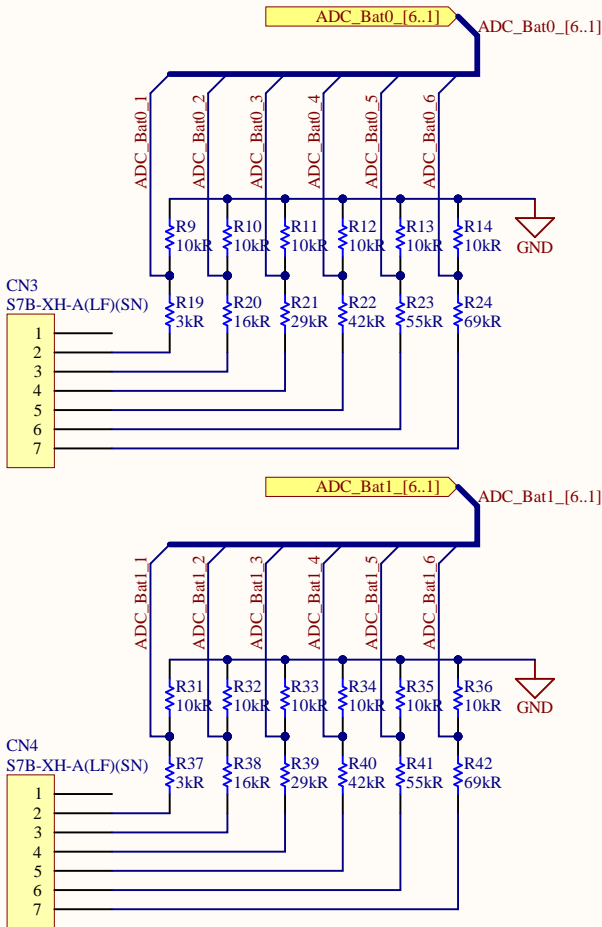


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Date:	7-23-2020	Sheet of
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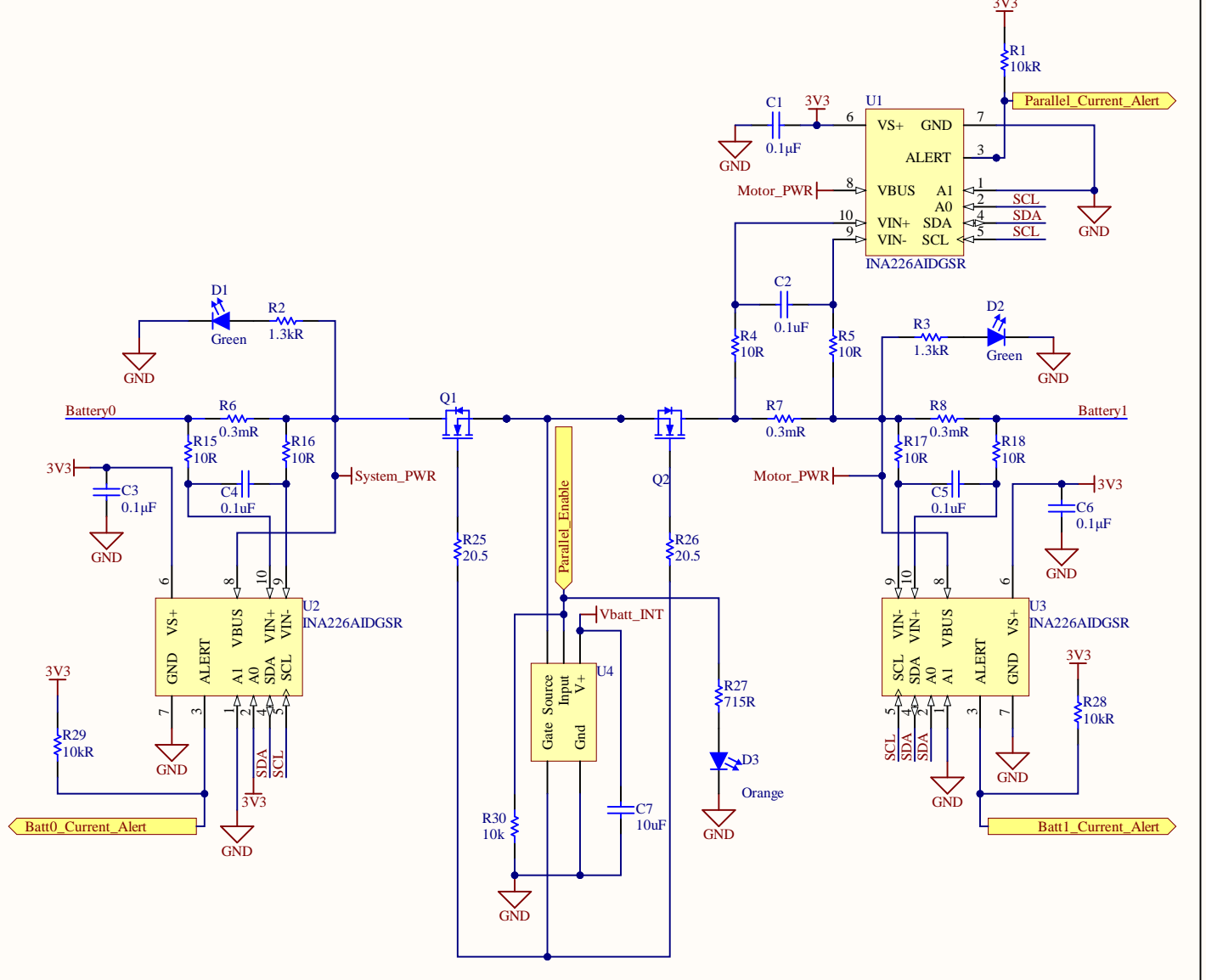
# Battery Input Terminal and Fuse



# Battery Cell Voltage Monitor



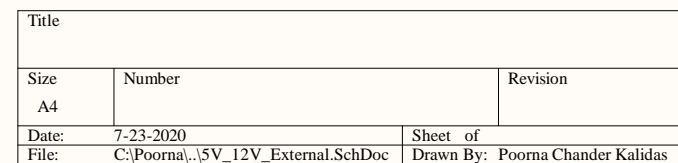
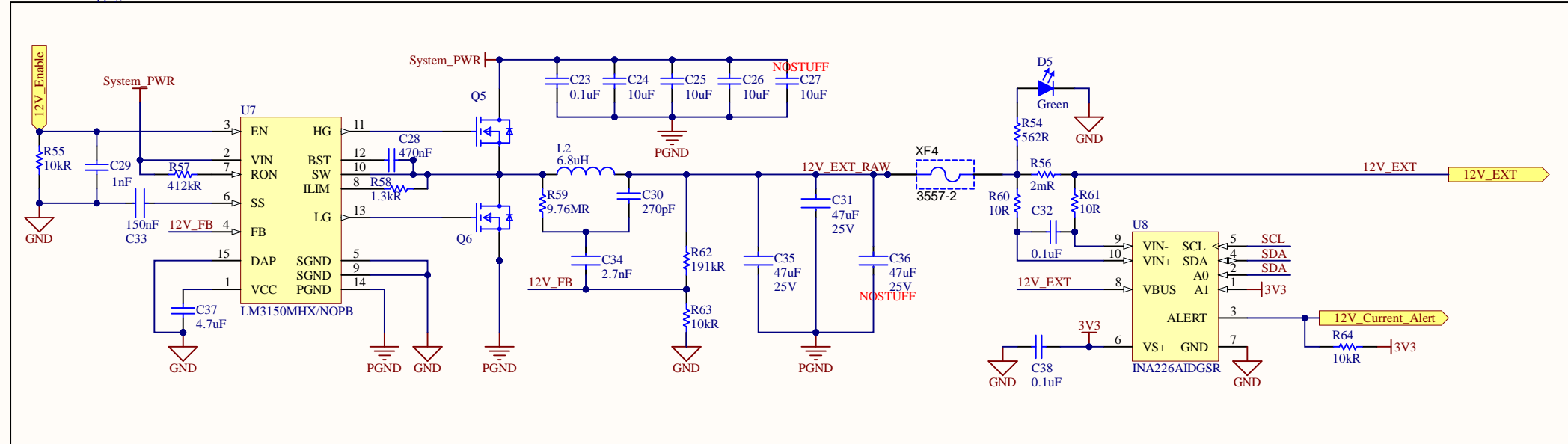
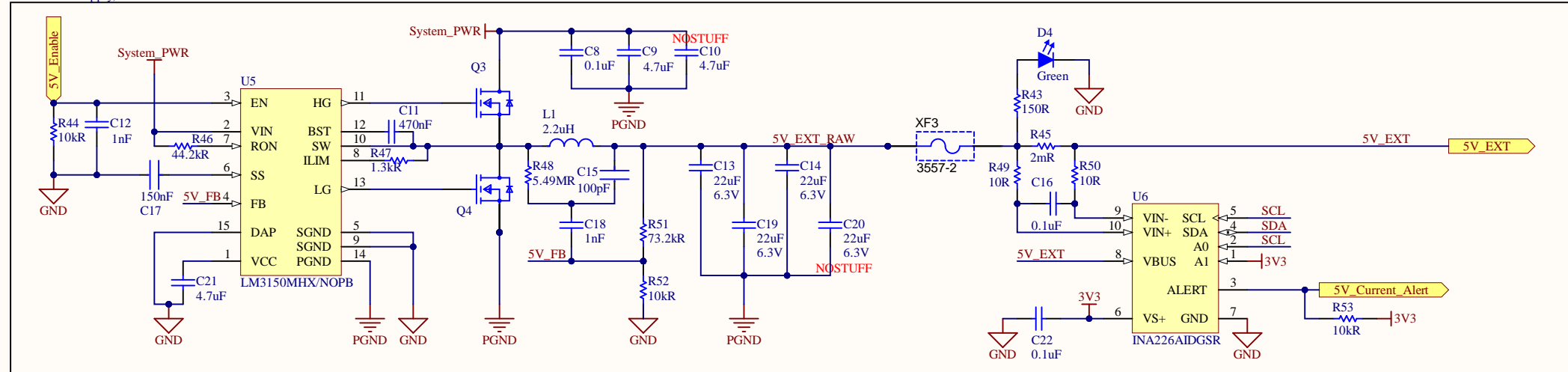
# Battery Current Monitor, Battery Bridge

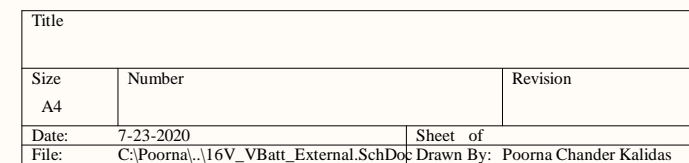
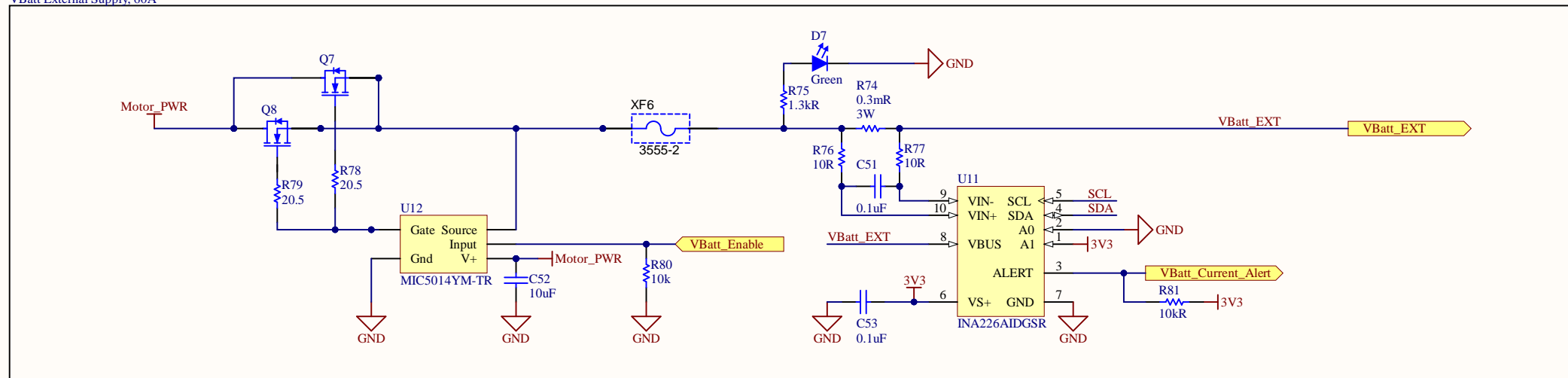
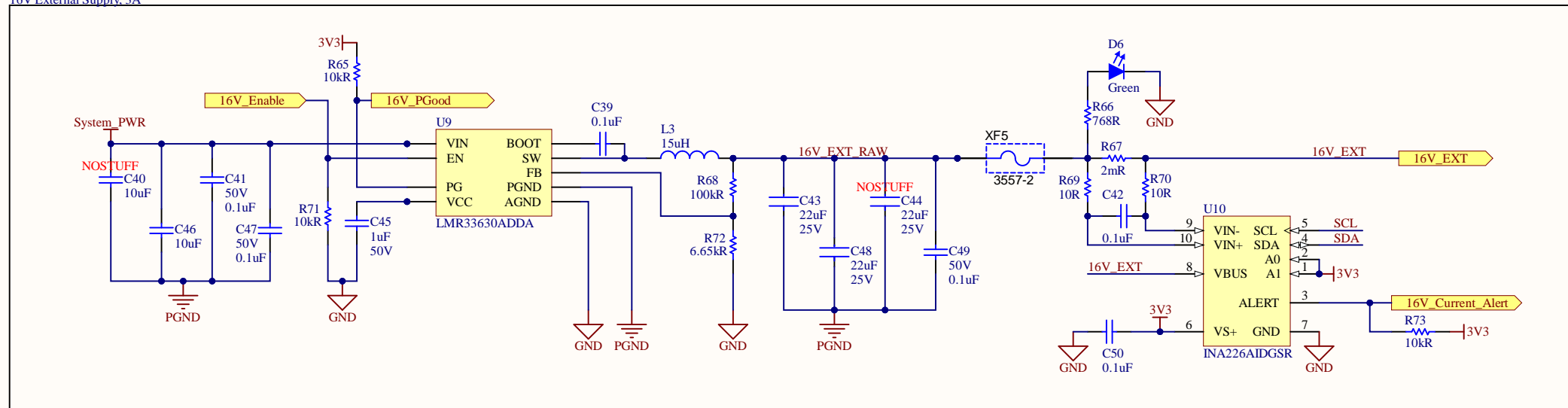


In layout both should be connected at one place



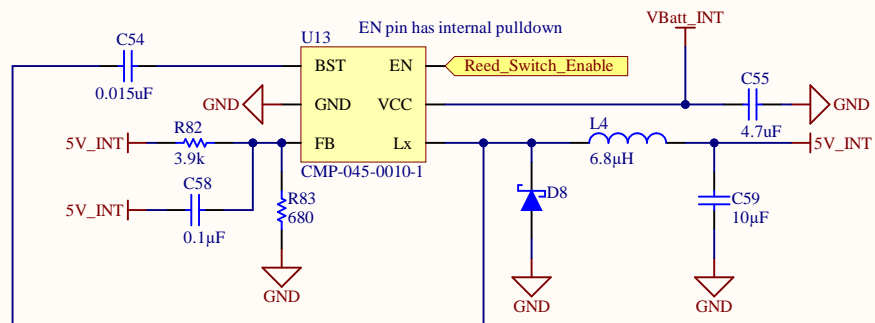
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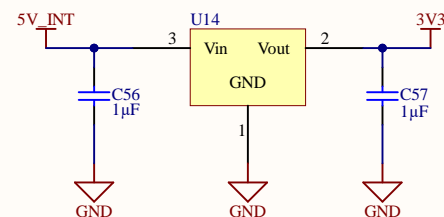




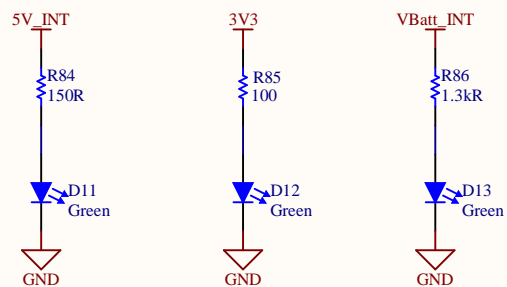
5V Internal Supply, 500mA



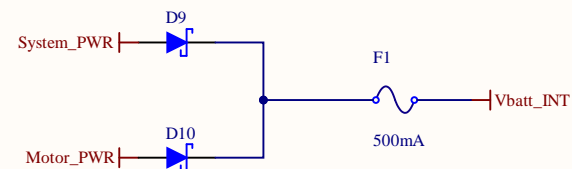
3V3 Internal Supply, 250mA



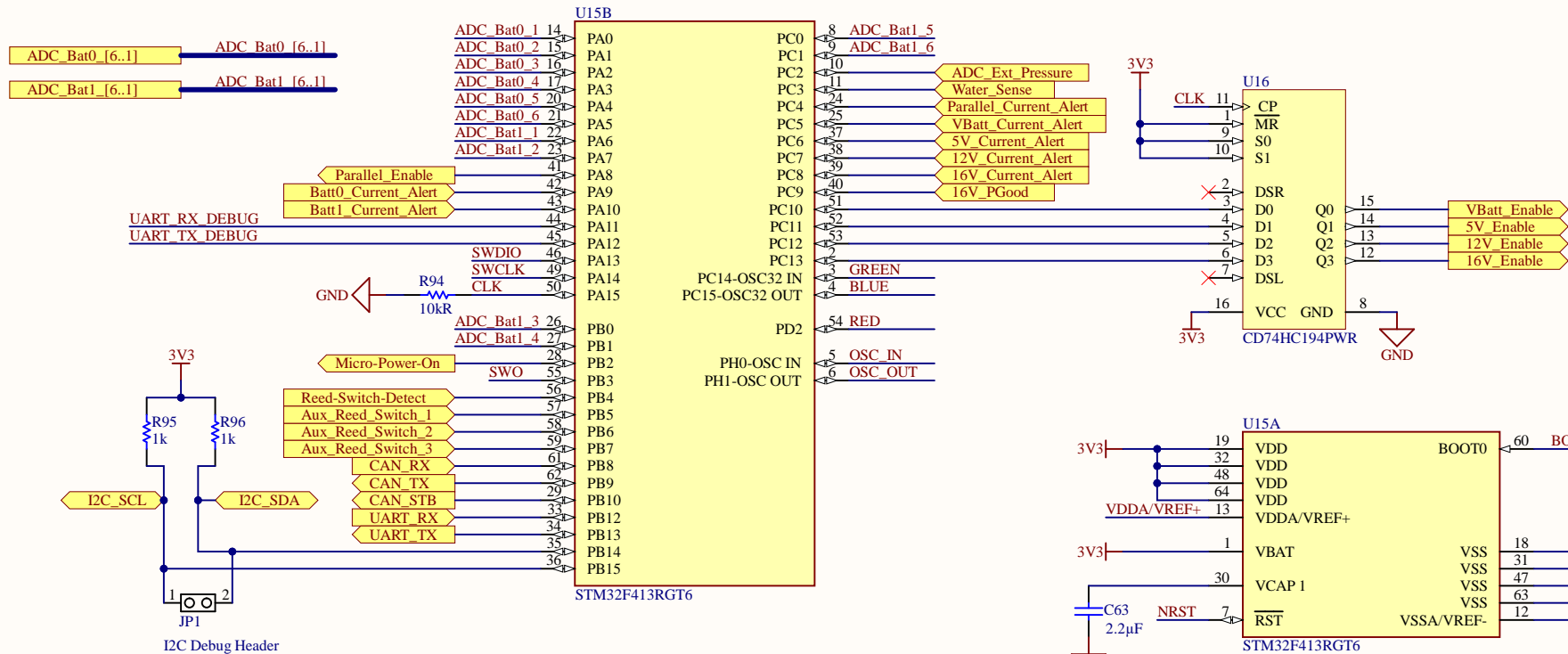
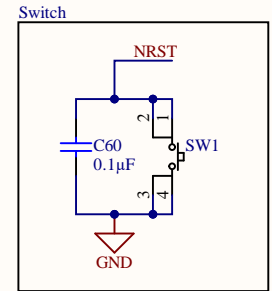
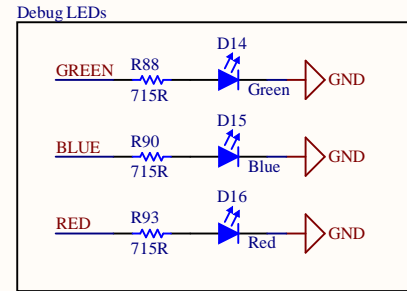
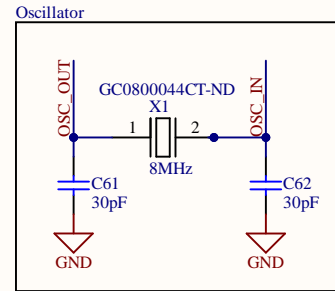
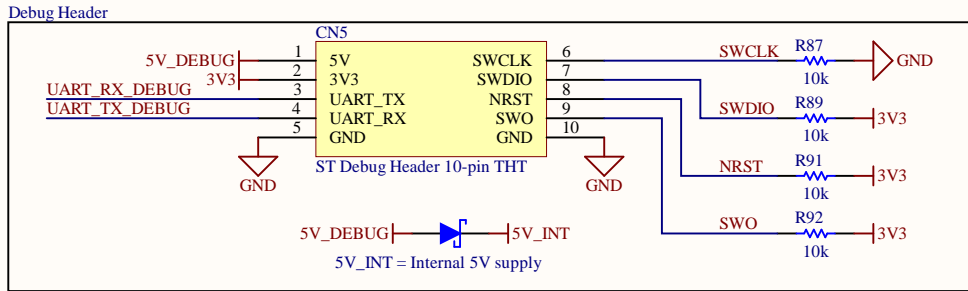
Status LEDs



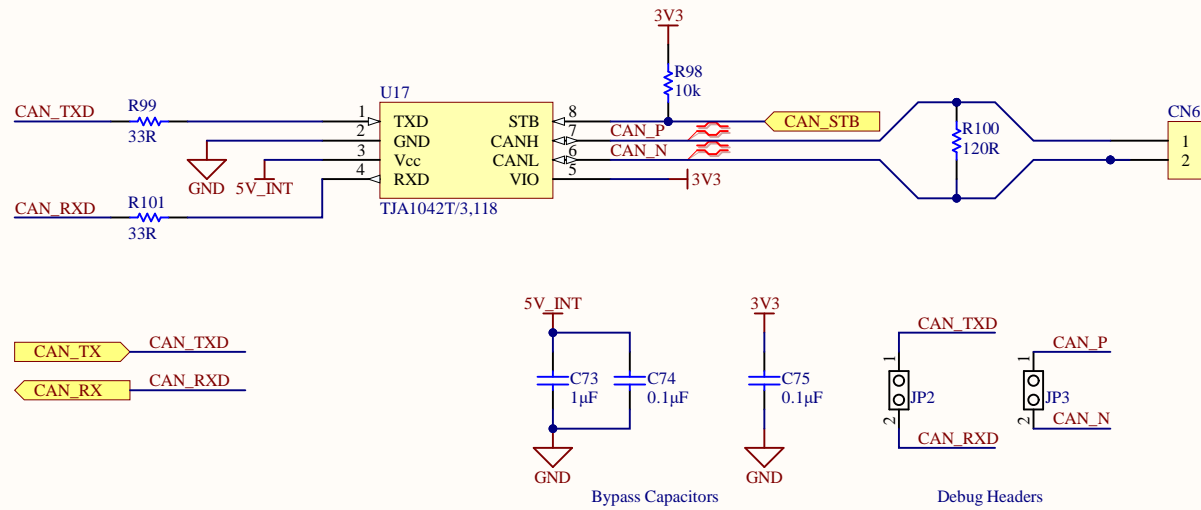
VBatt Internal Supply, 500mA



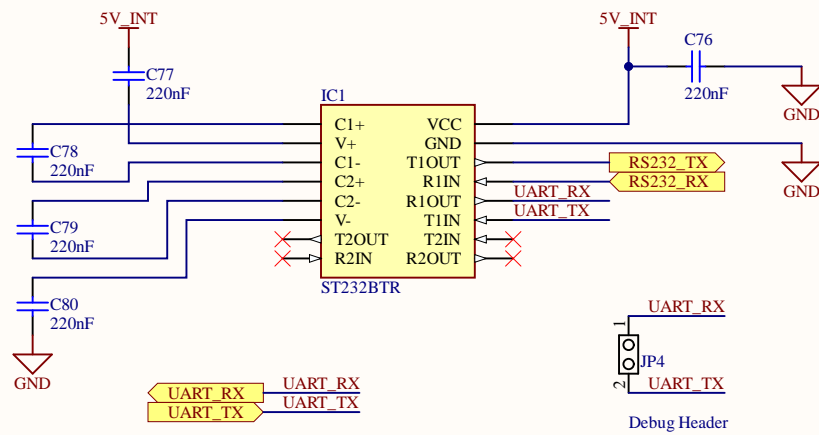
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# CAN Transceiver



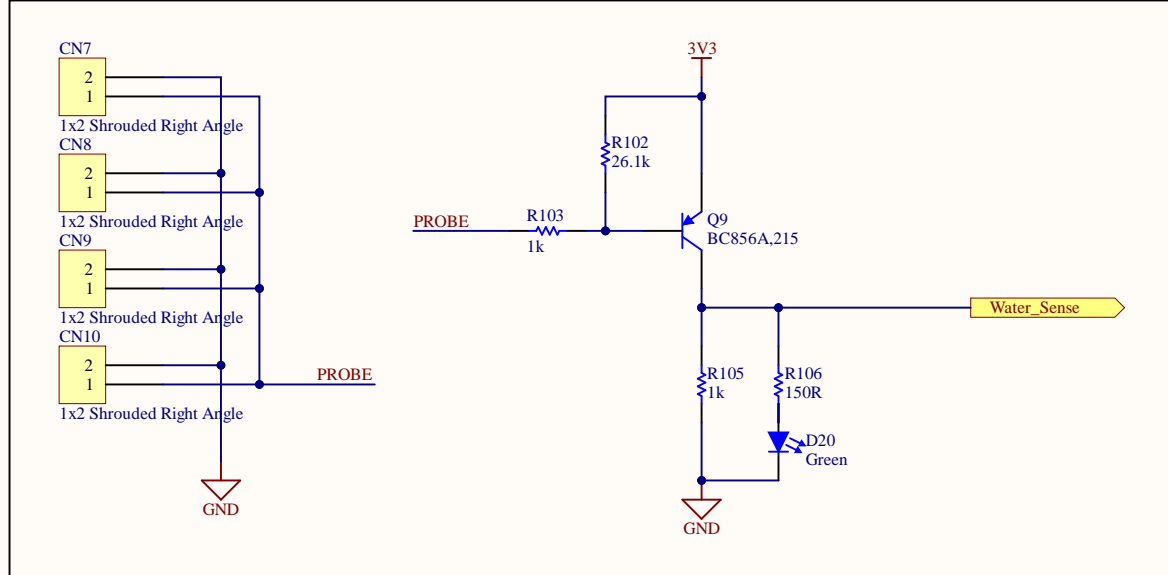
# RS232 Transceiver



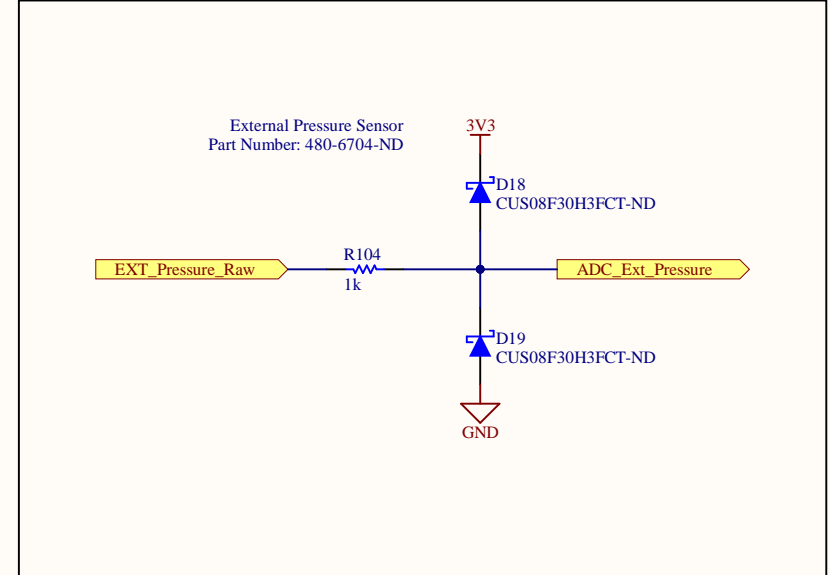
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Date:	7-23-2020	Sheet of
File:	C:\Poorna\...\Communications.SchDoc	Drawn By: Stefanie Fetterkind



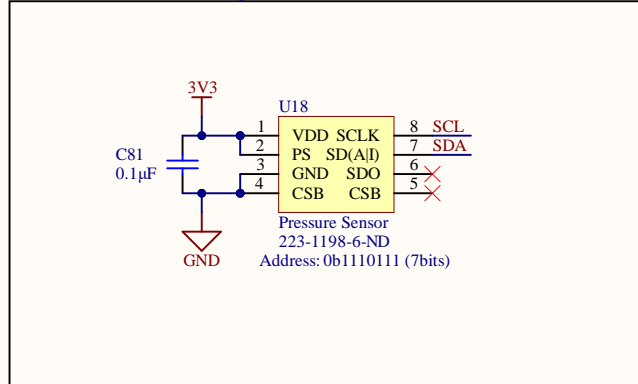
# Water Sensor



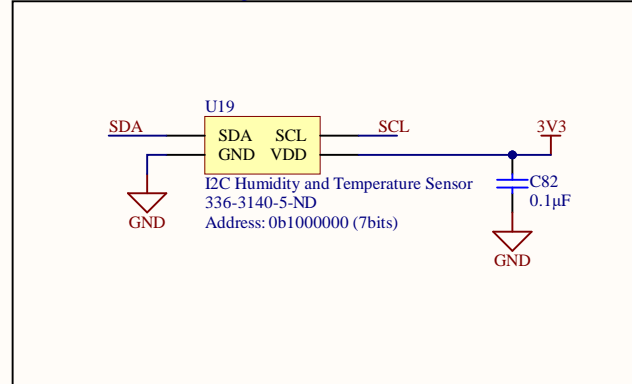
# External Pressure Sensor



# Internal Pressure Sensor (Housing Pressure)



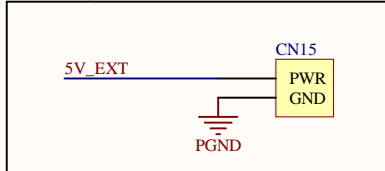
# Internal Pressure Sensor (Housing Pressure)



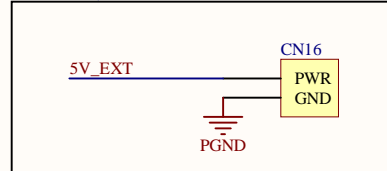
Title		
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File:	C:\Poorna\...\Sensors.SchDoc	Drawn By: Jessica Jiang

## 5V

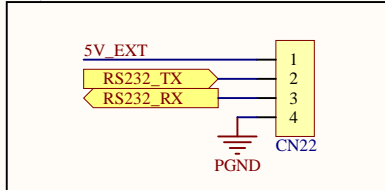
LCD Board, 5V @ 4A



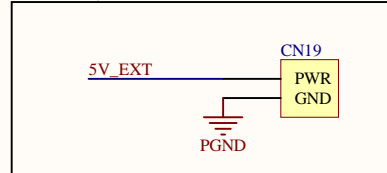
Unallocated, 5V



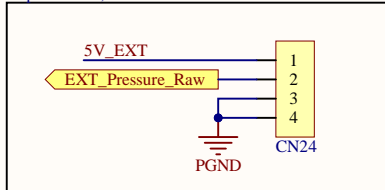
IMU, 5V @ 500mA



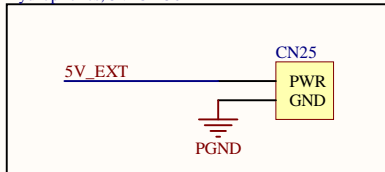
Unallocated, 5V



Depth Sensor, 5V @ 3mA

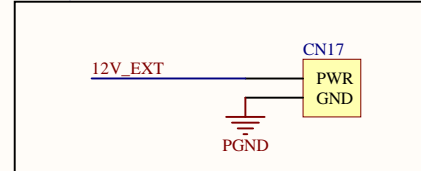


Hydrophones, 5V @ 250mA

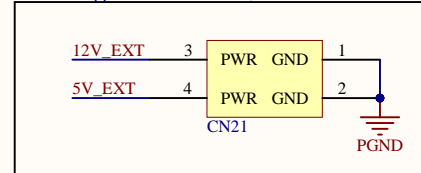


## 12V

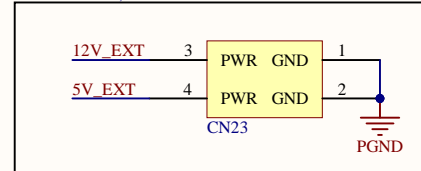
DVL, 12V @ 3A



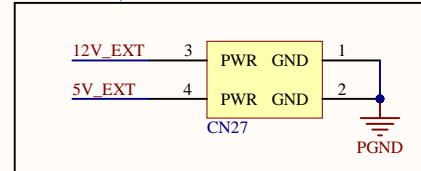
Ball Dropper and Grabber Arm, 12V @ 3A



Unallocated, 12V

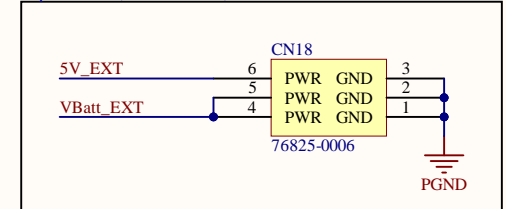


Unallocated, 12V

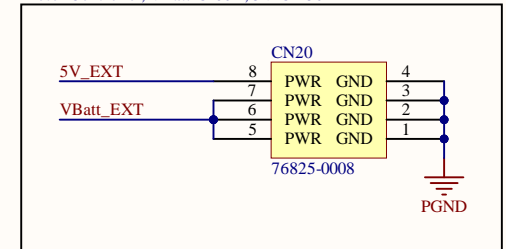


## VBatt

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

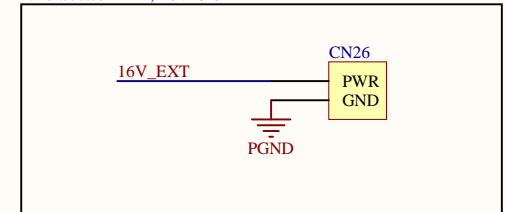


Motor Controller, VBatt @ 60A, 5V @ 250mA



## 16V

Nvidia Jetson TX2, 16V @ 3A



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