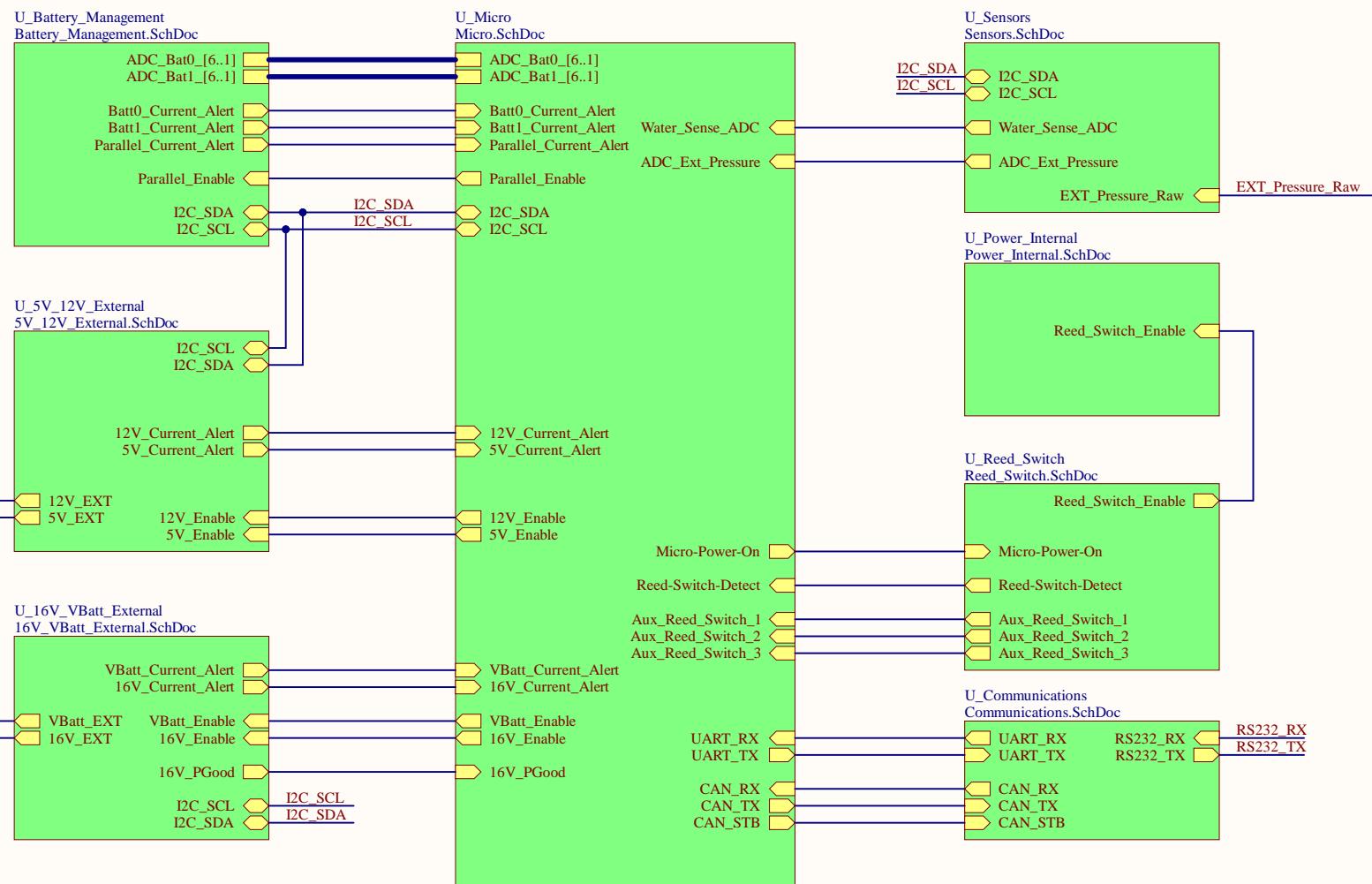


A

A



B

B

C

C

D

D

Title

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A4

Number

Revision

Date:

8-16-2020

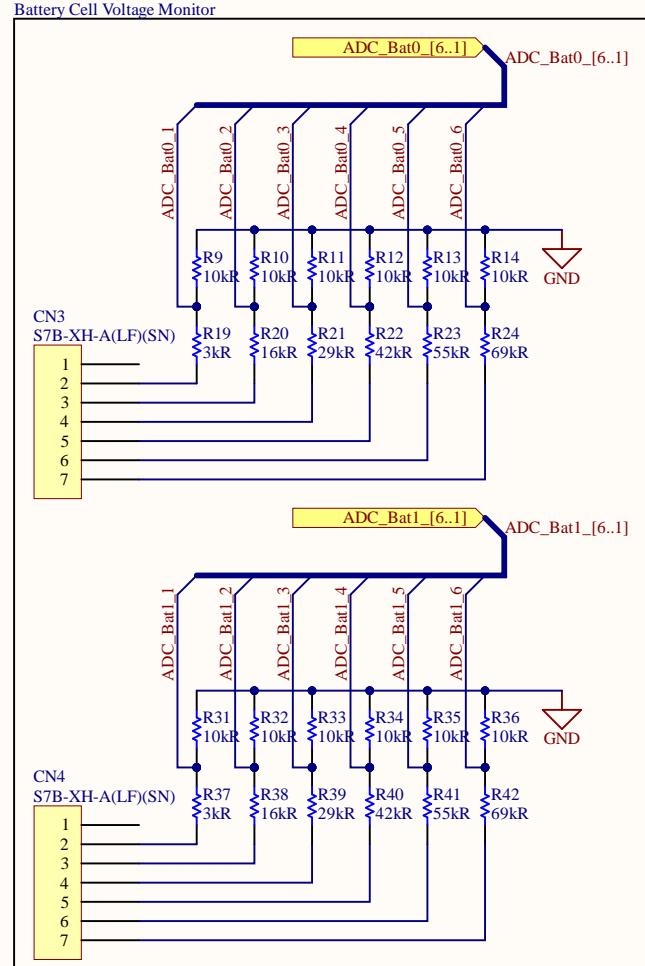
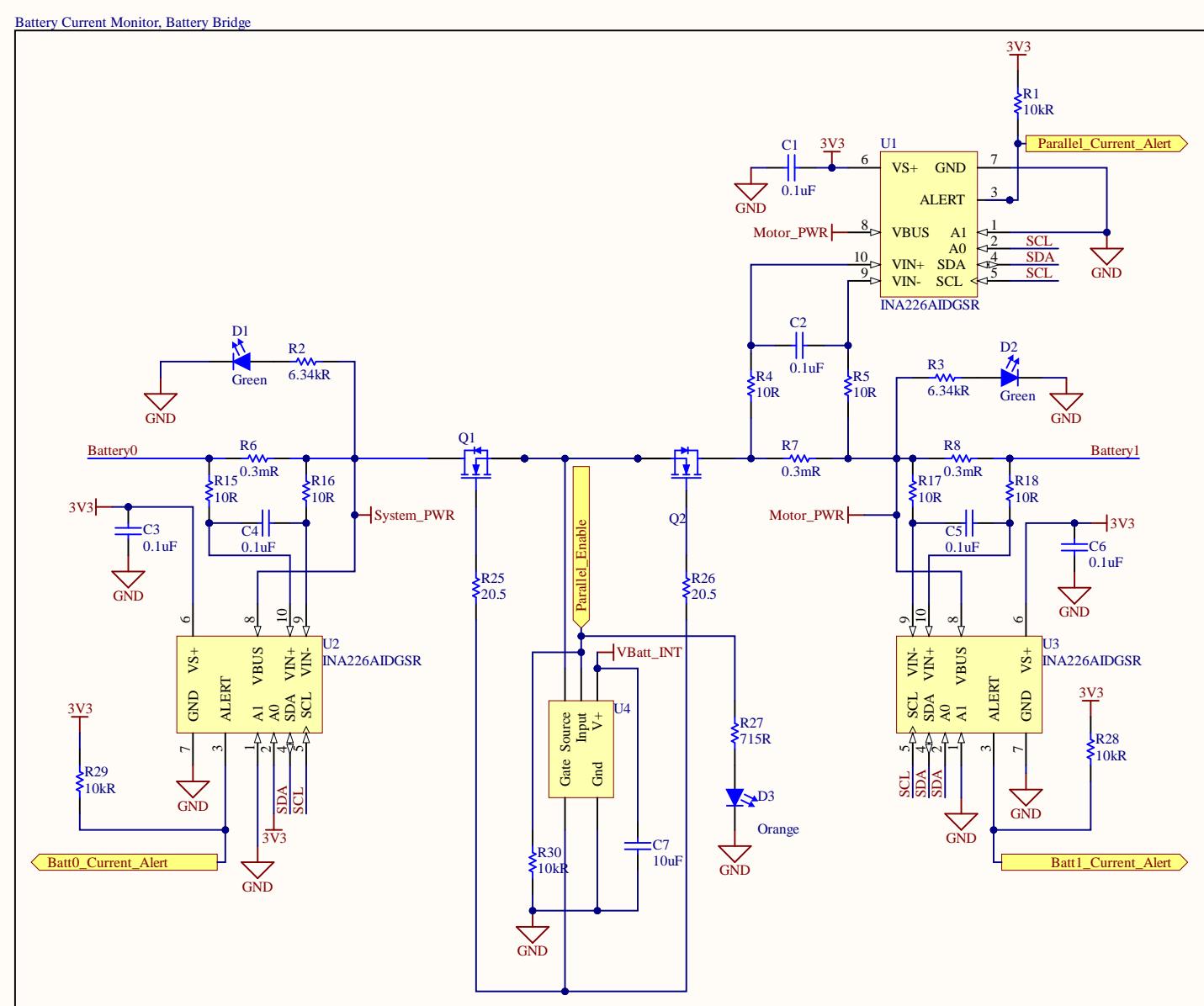
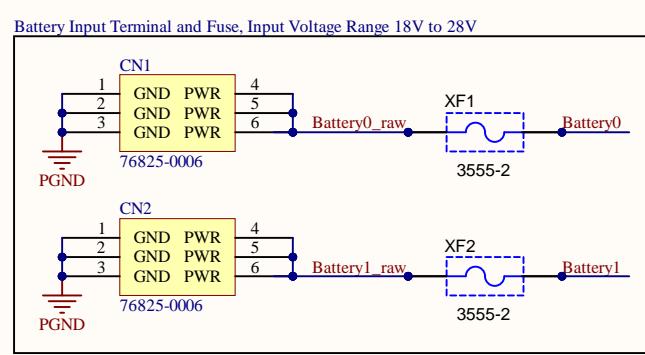
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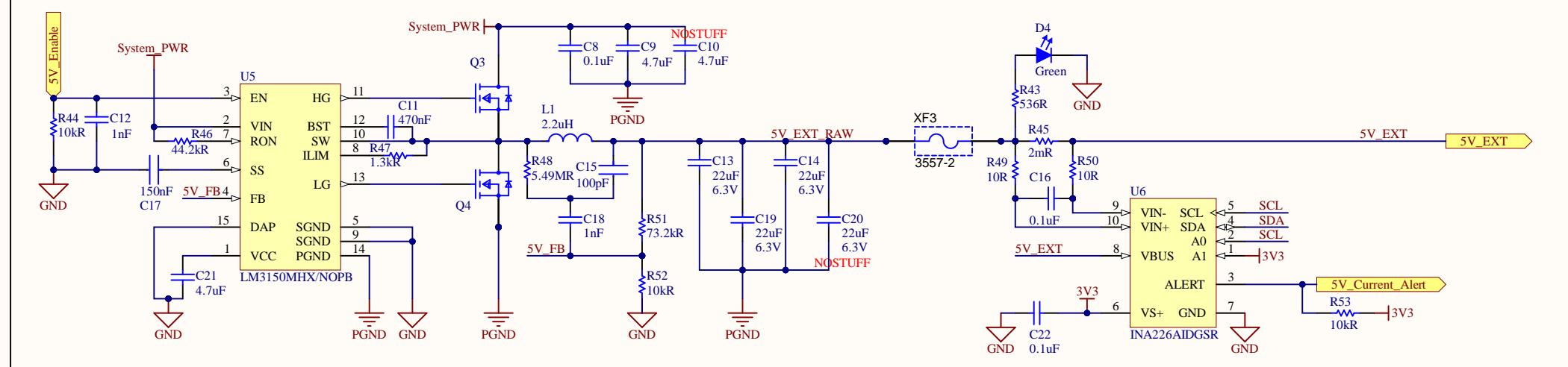
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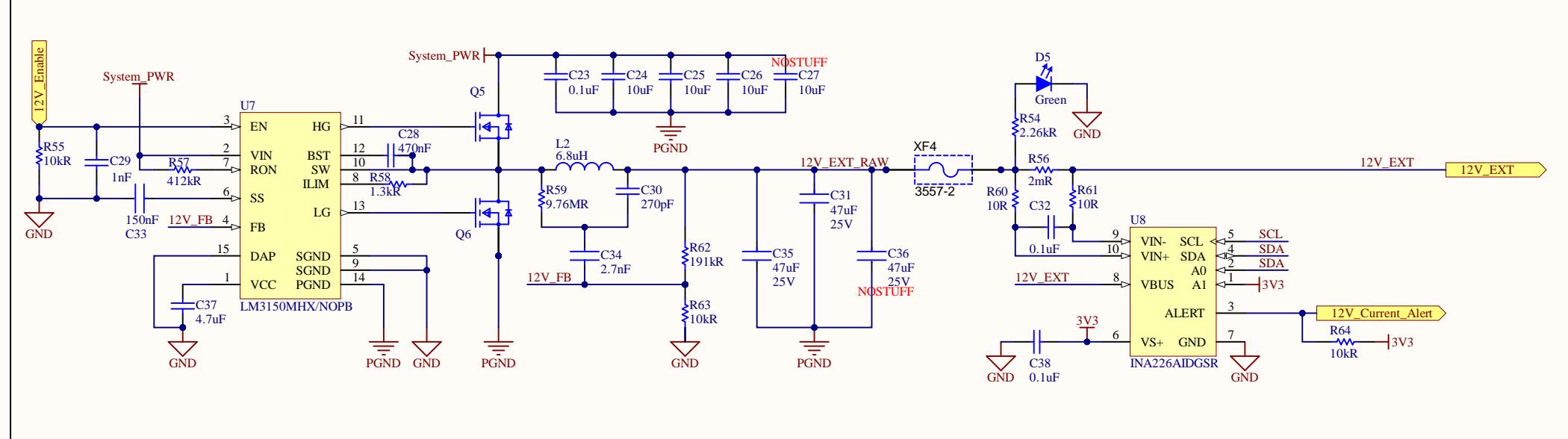


Title		
Size A4	Number	Revision
Date:	8-16-2020	Sheet of
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## 5V External Supply, 10A



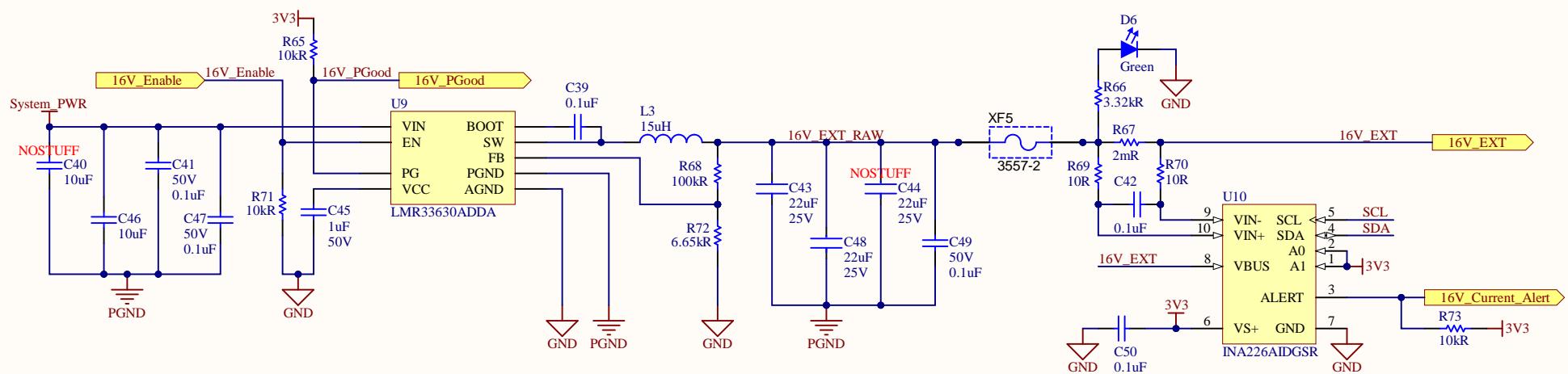
## 12V External Supply, 10A



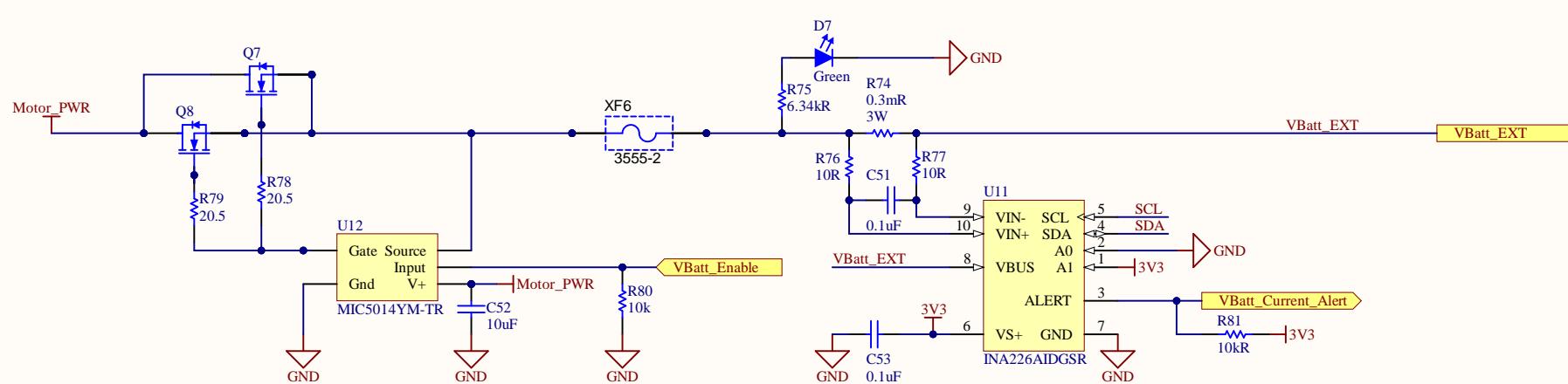
I<sub>2</sub>C\_SCL SCL  
I<sub>2</sub>C\_SDA SDA

Title		
Size	Number	Revision
A4		
Date: 8-16-2020	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

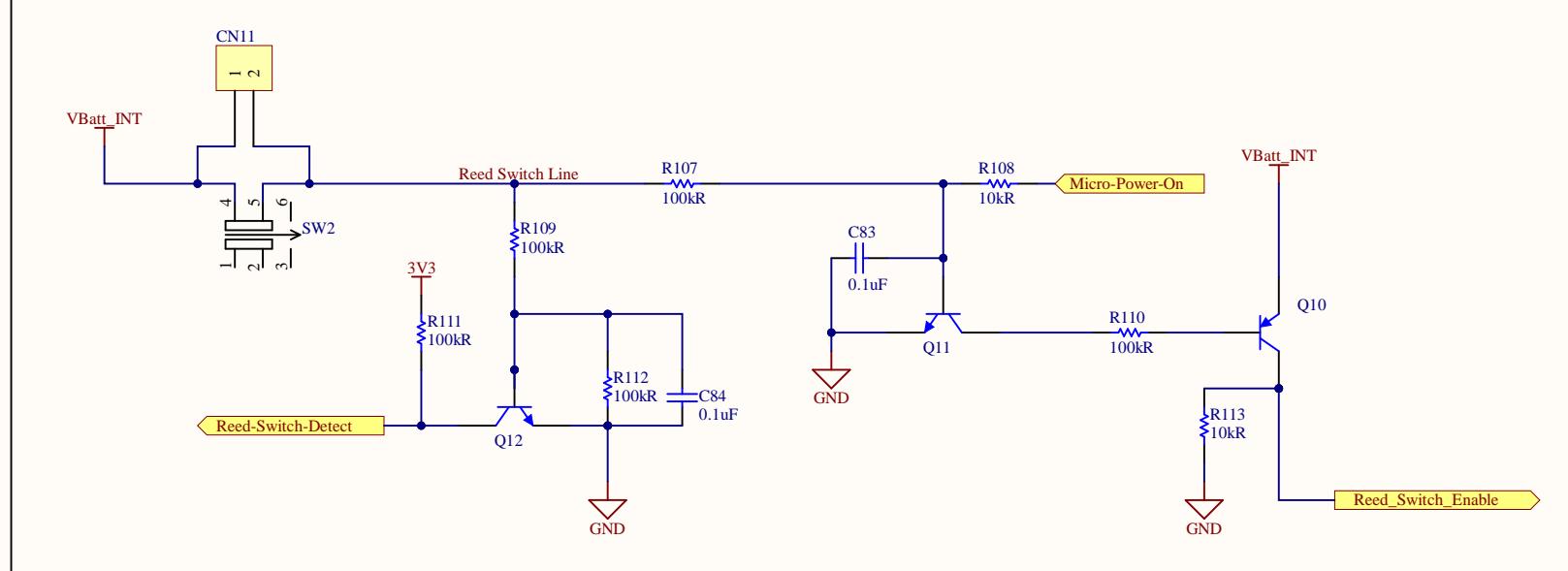


I2C\_SCL  
I2C\_SDA

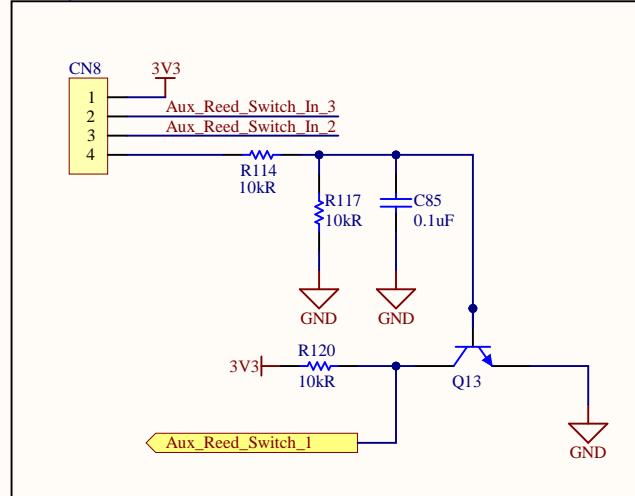
SCL  
SDA

Title		
Size	Number	Revision
A4		
Date: 8-16-2020	Sheet of	
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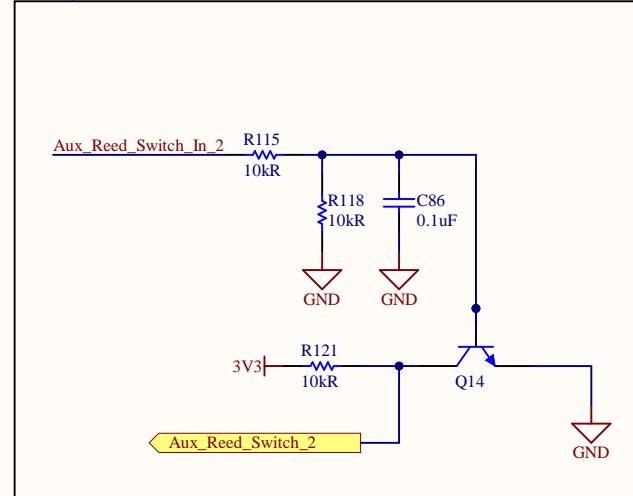
## Power Reed Switch



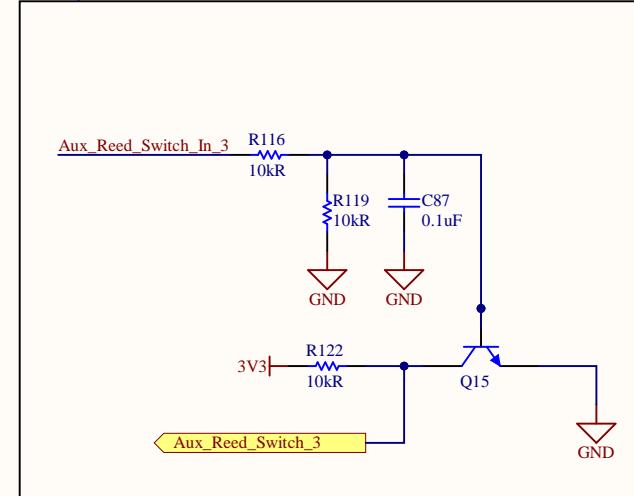
## Auxiliary Reed Switch 1



## Auxiliary Reed Switch 2



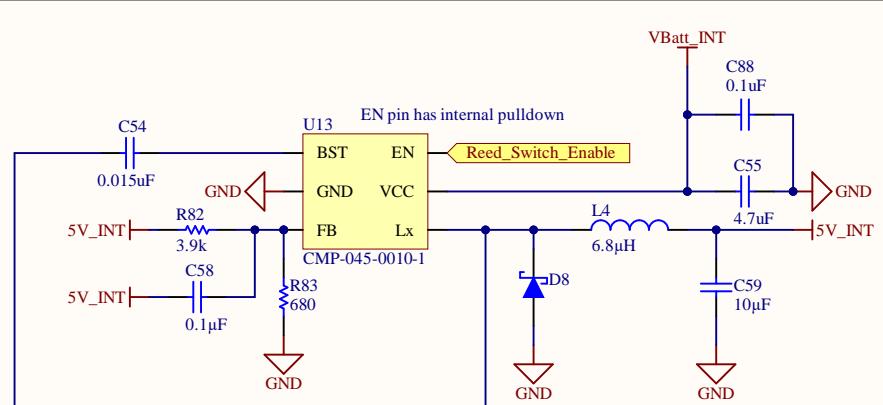
## Auxiliary Reed Switch 3



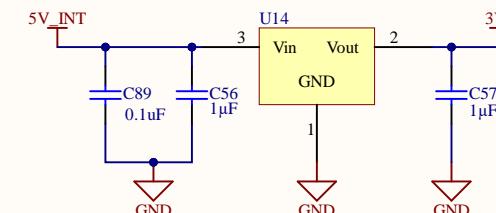
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Size	Number	Revision
A4		
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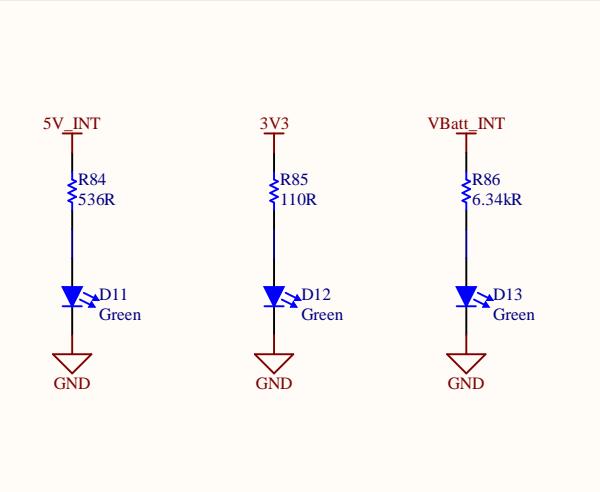
## 5V Internal Supply, 500mA



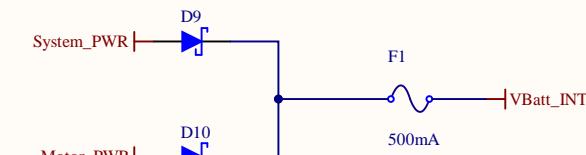
## 3V3 Internal Supply, 250mA



## Status LEDs

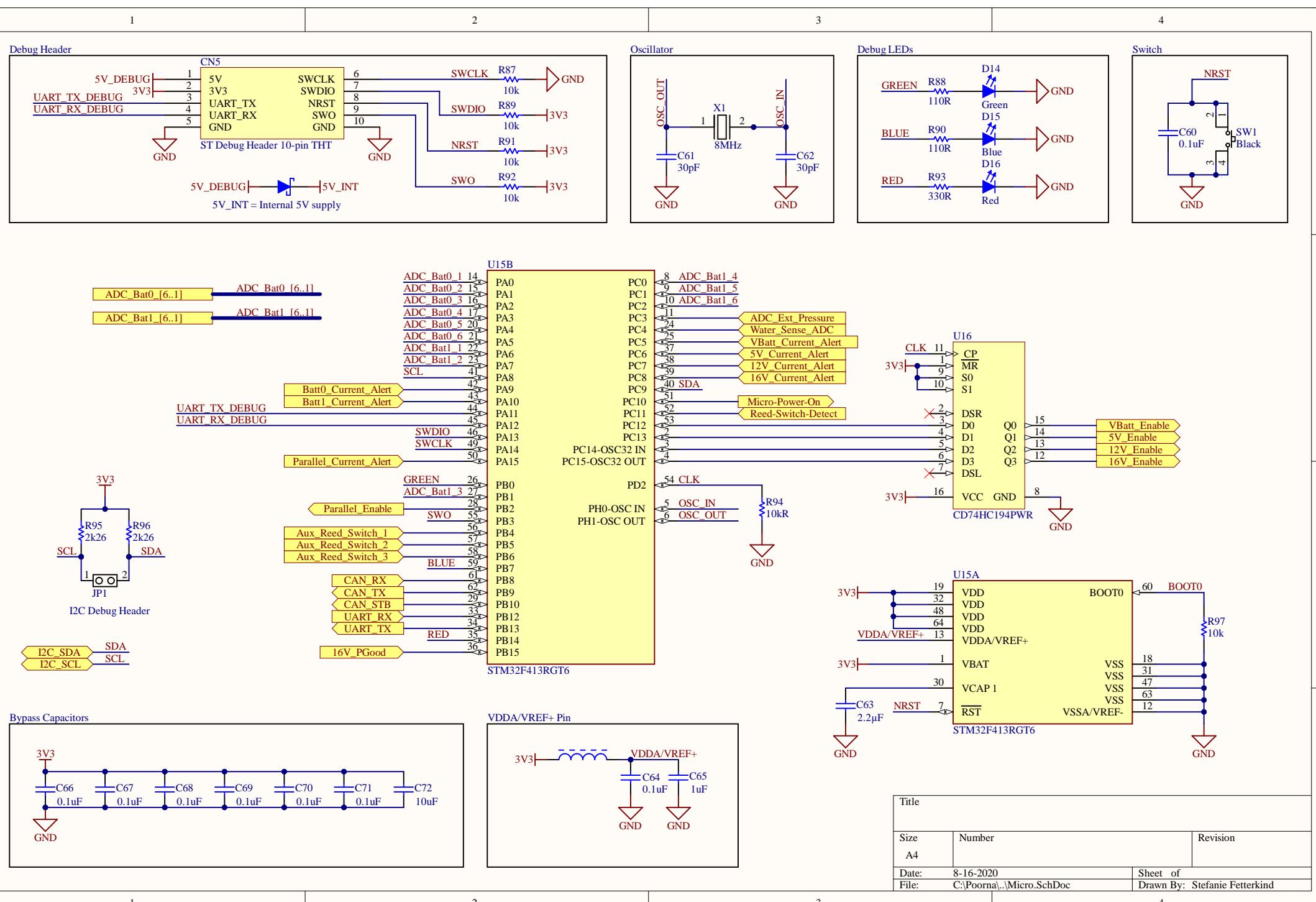


## VBatt Internal Supply, 500mA



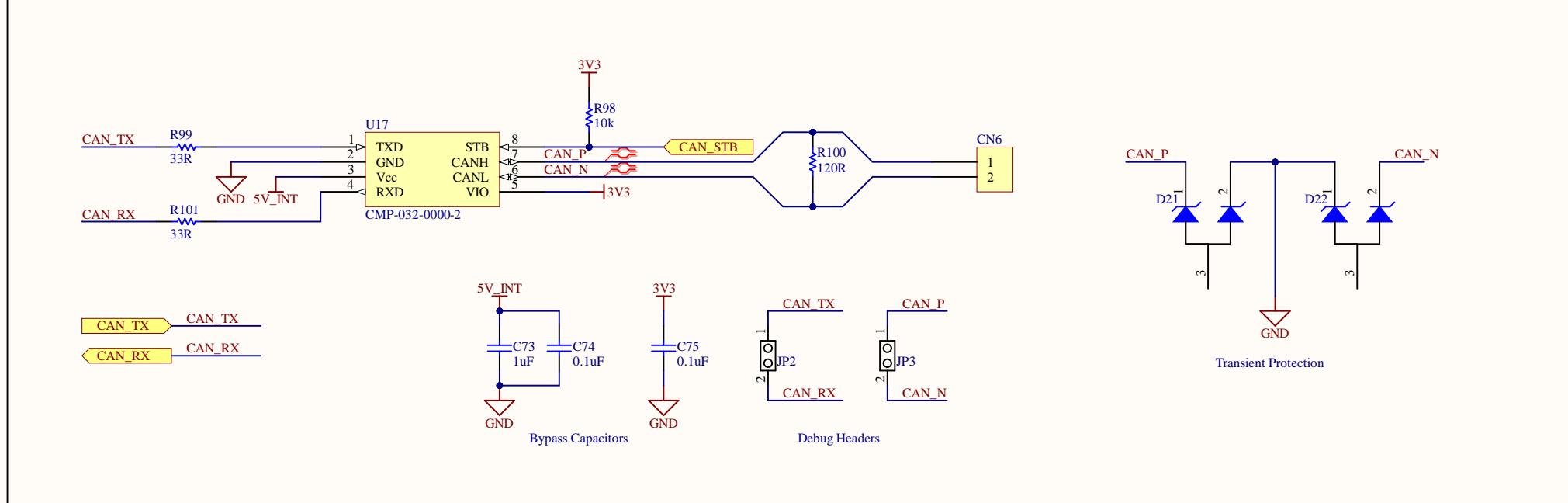
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Size	Number	Revision
A4		
Date: 8-16-2020	Sheet of	
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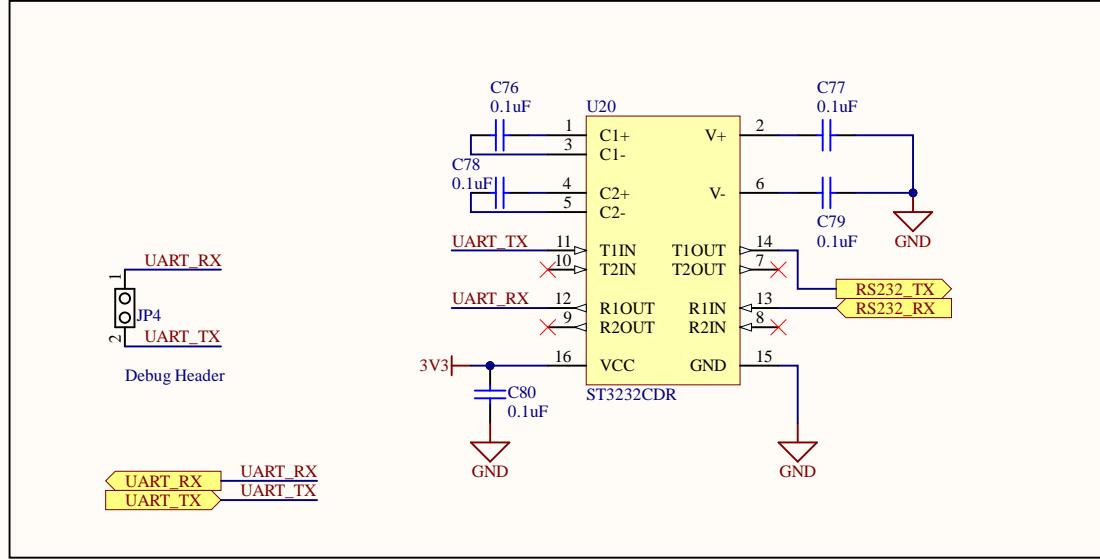


Title		
Size A4	Number	Revision
Date:	8-16-2020	Sheet of
File:	C:\Poorna...\\Micro.SchDoc	Drawn By: Stefanie Fetterkind

## CAN Tranceiver



## RS232 Tranceiver



Title

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File: C:\Poorna\..\\Communications.SchDoc

Drawn By: Stefanie Fetterkind

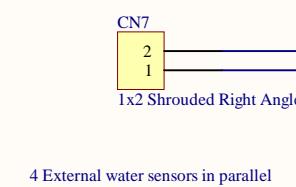
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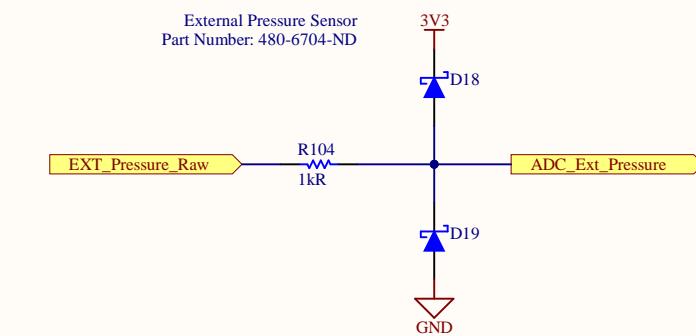
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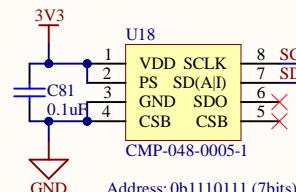
## Water Sensor



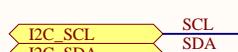
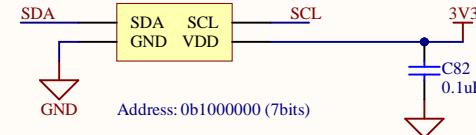
## External Pressure Sensor



## Internal Pressure Sensor (Housing Pressure)



## Internal Pressure Sensor (Housing Pressure)



Title		
Size	Number	Revision
A4		
Date:	8-16-2020	Sheet of
File:	C:\Poorna...\\Sensors.SchDoc	Drawn By: Jessica Jiang

1

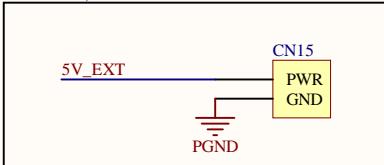
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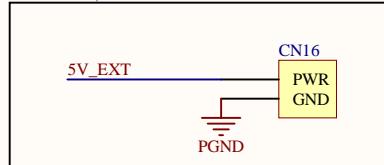
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**5V**

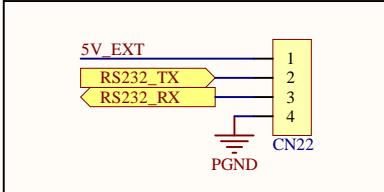
LCD Board, 5V @ 4A



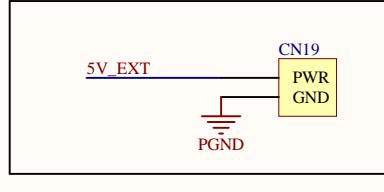
Unallocated, 5V



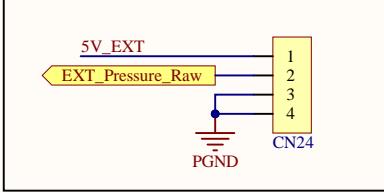
IMU, 5V @ 500mA



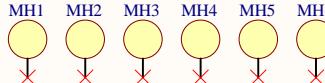
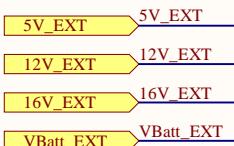
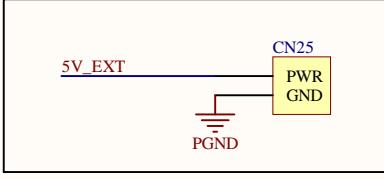
Unallocated, 5V



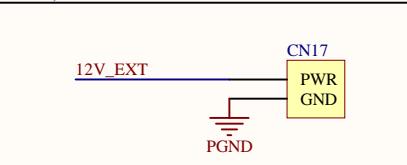
Depth Sensor, 5V @ 3mA



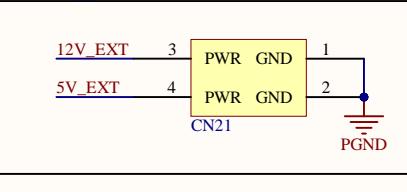
Hydrophones, 5V @ 250mA

**12V**

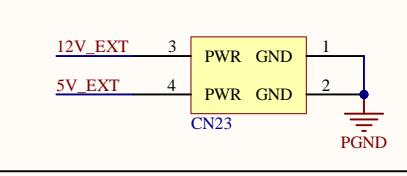
DVL, 12V @ 3A



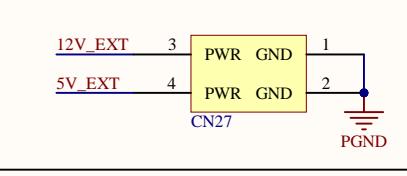
Ball Dropper and Grabber Arm, 12V @ 3A



Unallocated, 12V

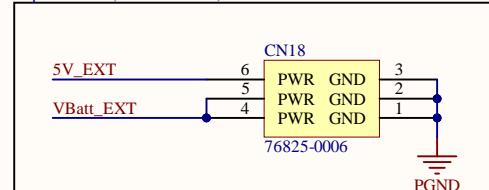


Unallocated, 12V

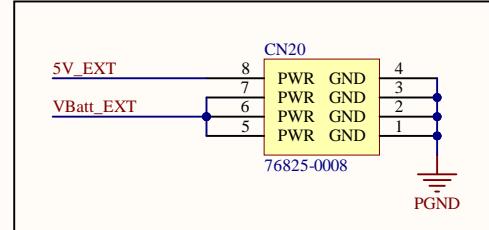
**VBatt**

18V to 28V

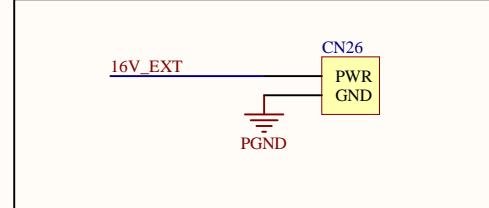
Topedo Board, VBatt @ 30A, 5V @ 250mA



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

**16V**

Nvidia Jetson TX2, 16V @ 3A



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File:

C:\Poorna\...\External\_Connections.SchDoc Drawn By: Poorna Chander Kalidas

