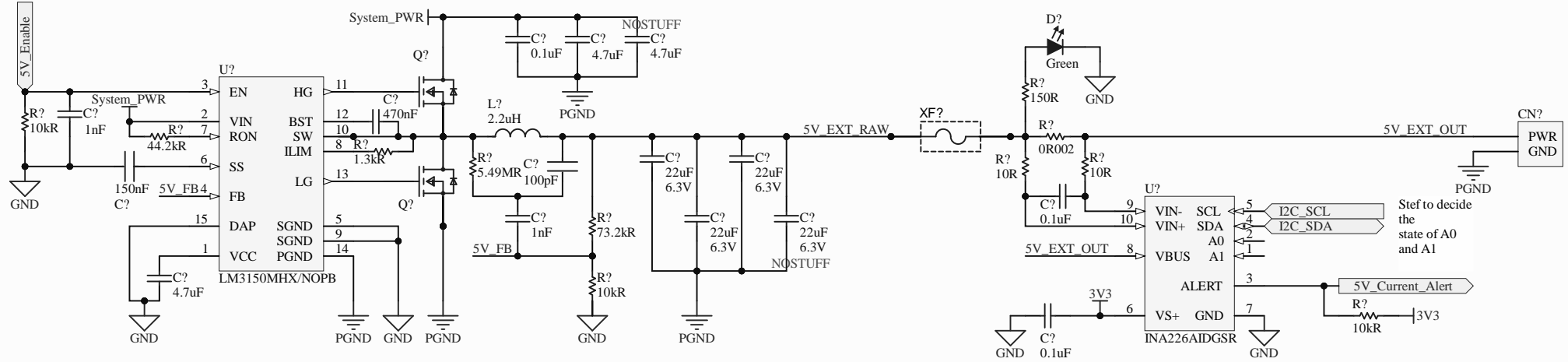
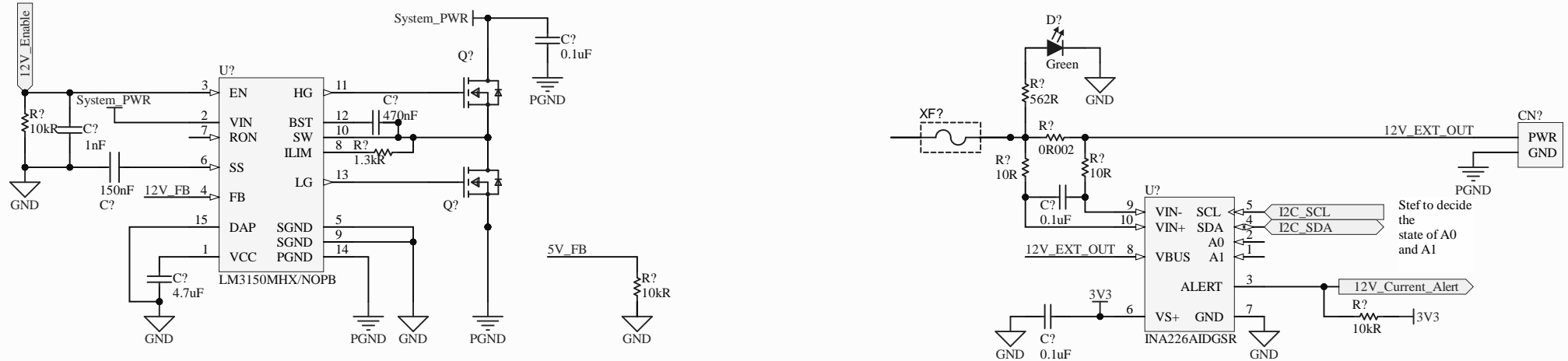


5V External Supply, 10A

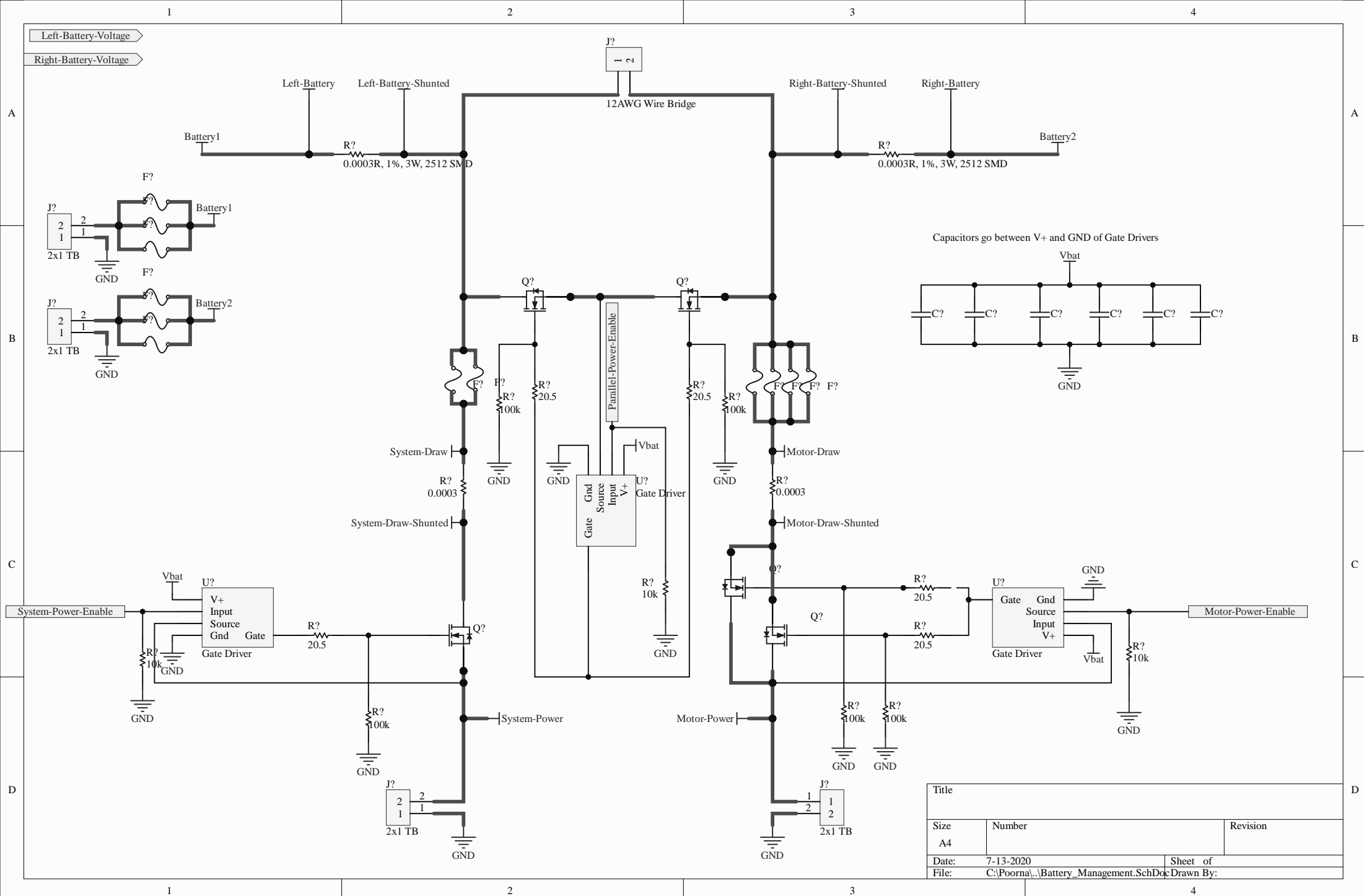


12V External Supply, 10A



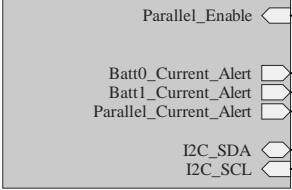
FETs used in sim:
High Side: FDD8647L
Low Side: CSD18531Q5A

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Date:	7-13-2020	Sheet of
File:	C:\Poorna\..\5V_12V_External.SchDoc	Drawn By:

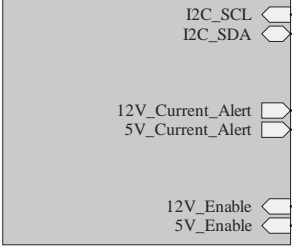


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B					B
C					C
D				<div> <div>Title</div> <div> <div>Size</div> <div>A4</div> </div> <div> <div>Date:</div> <div>7-13-2020</div> </div> <div> <div>File:</div> <div>C:\Poorna\...\Communications.SchDoc</div> </div> <div> <div>Number</div> <div></div> </div> <div> <div>Revision</div> <div></div> </div> <div> <div>Sheet of</div> <div></div> </div> <div> <div>Drawn By:</div> <div></div> </div> </div>	D
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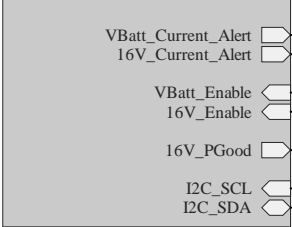
U_Battery_Management
Battery_Management.SchDoc



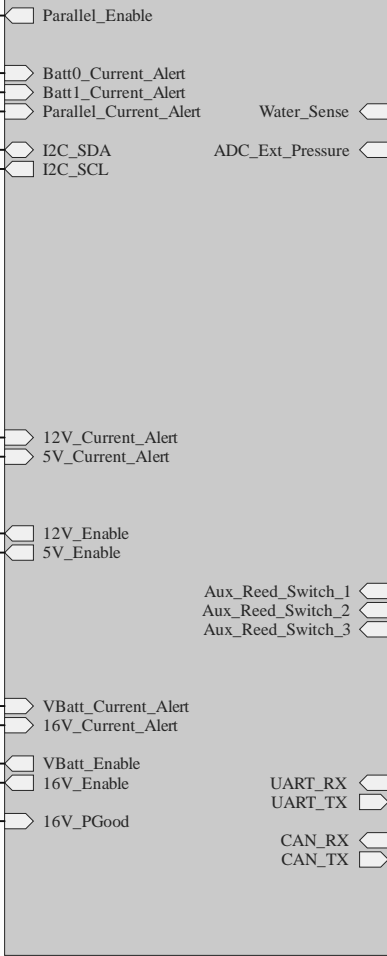
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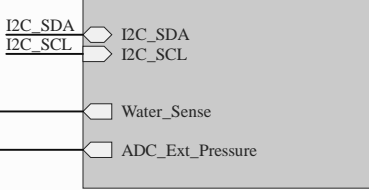
U_16V_VBatt_External
16V_VBatt_External.SchDoc



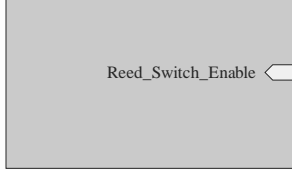
U_Micro
Micro.SchDoc



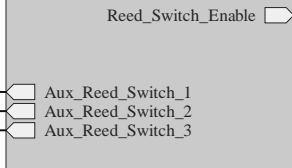
U_Sensors
Sensors.SchDoc



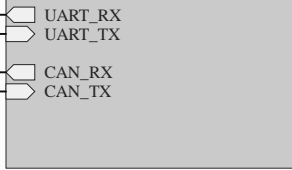
U_Power_Internal
Power_Internal.SchDoc



U_Reed_Switch
Reed_Switch.SchDoc

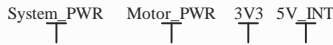


U_Communications
Communications.SchDoc

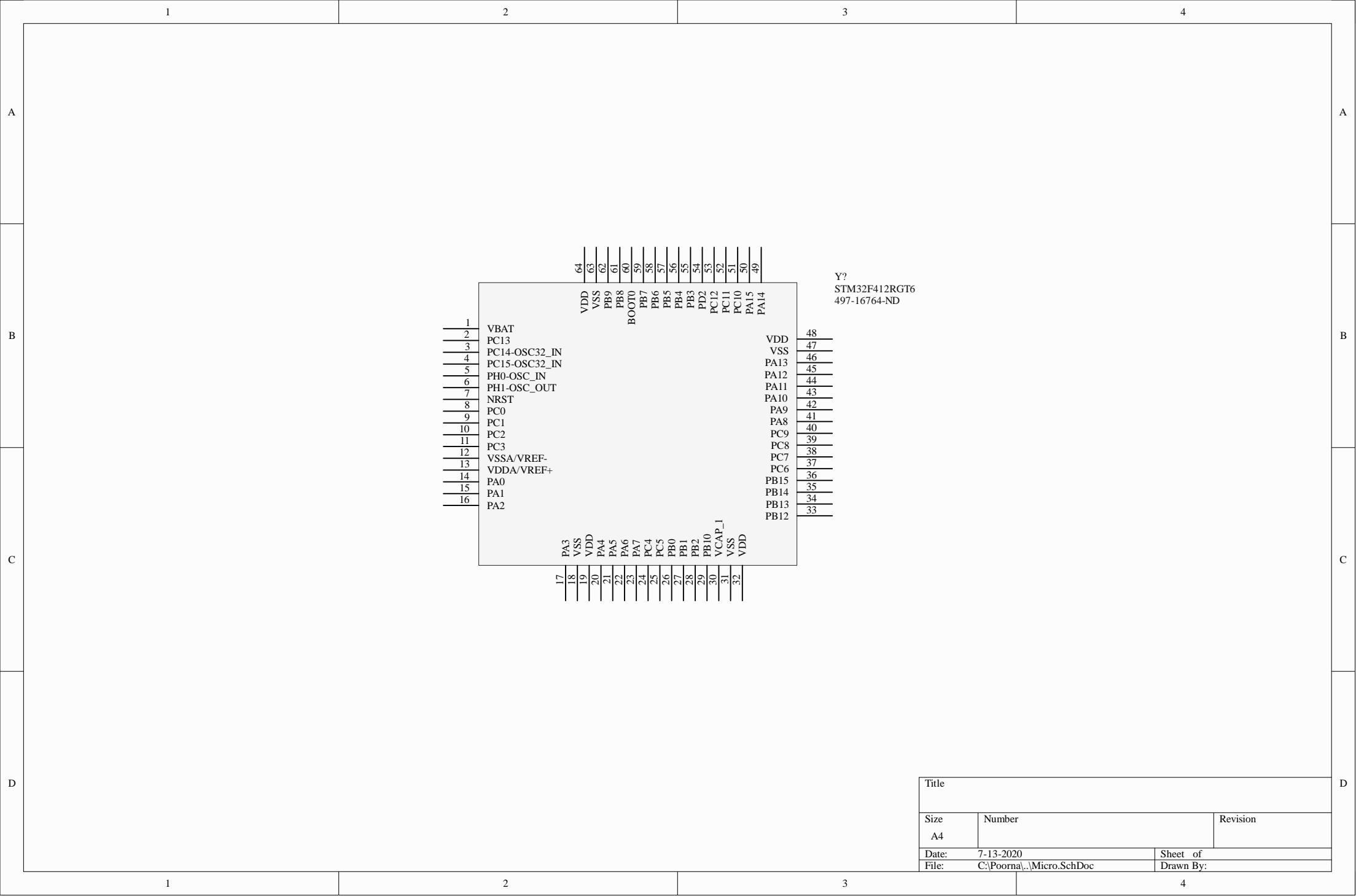


Need to add ports
for Batt cell
voltages

Available Power Nets



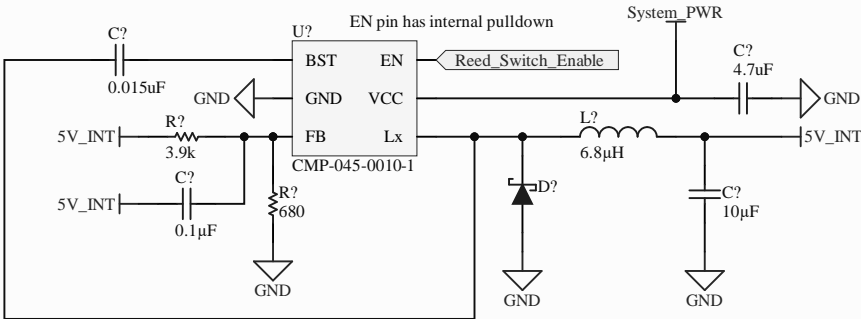
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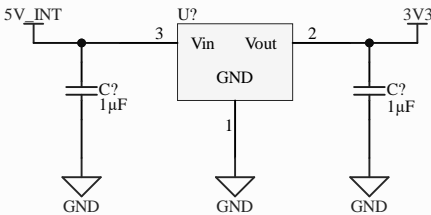
A

5V Internal Supply, 500mA



B

3V3 Internal Supply, 250mA

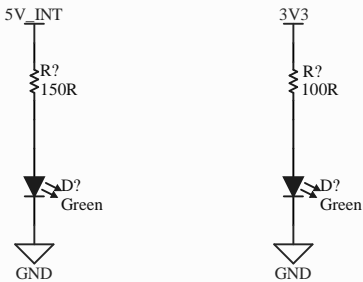


A

B

C

Status LEDs



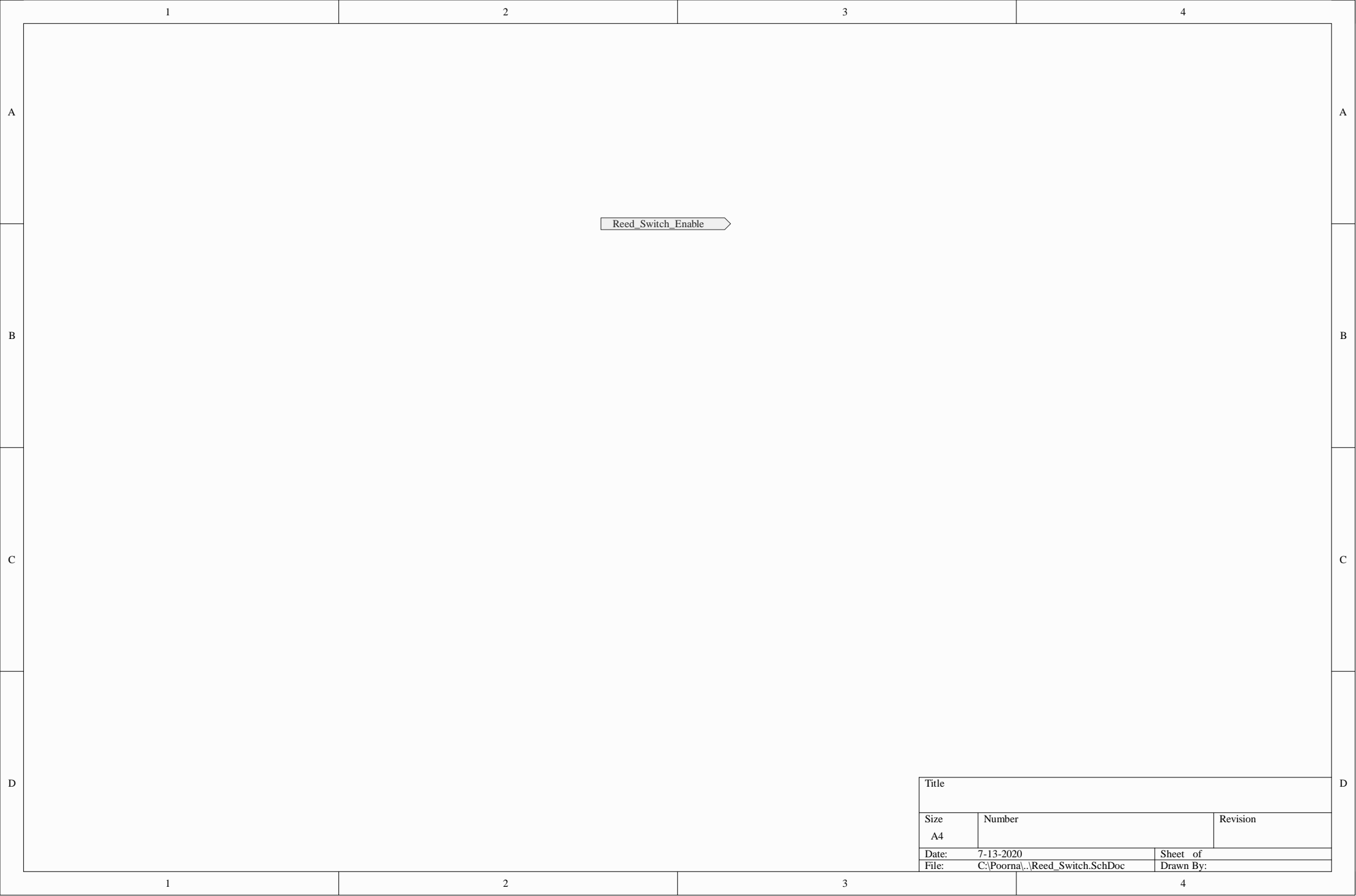
D

3V3 Requirements:
STM: 46mA
LEDs: 80mA (20mA x 4)
INA226: 0.5mA each

C

D

Title		
Size	Number	Revision
A4		
Date:	7-13-2020	Sheet of
File:	C:\Poorna\..Power_Internal.SchDoc	Drawn By:



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B			B
C			C
D			D
1	2	3	4

Title		
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