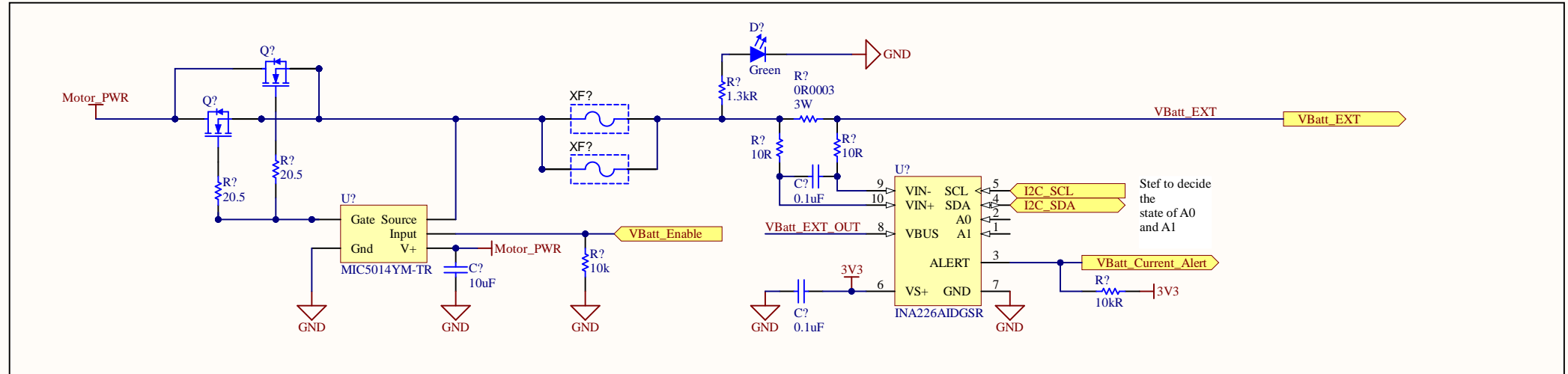
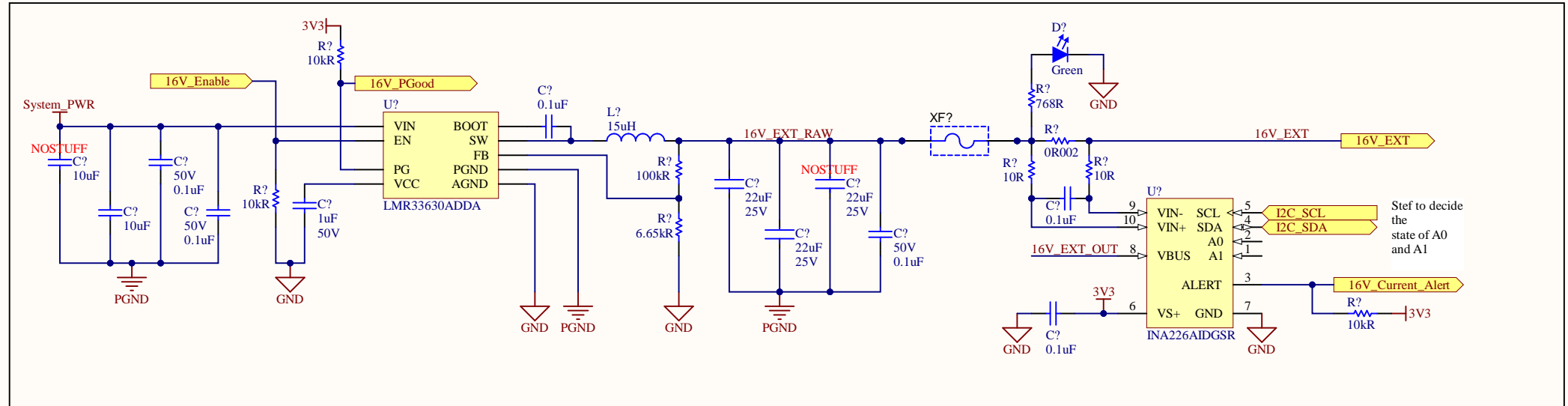
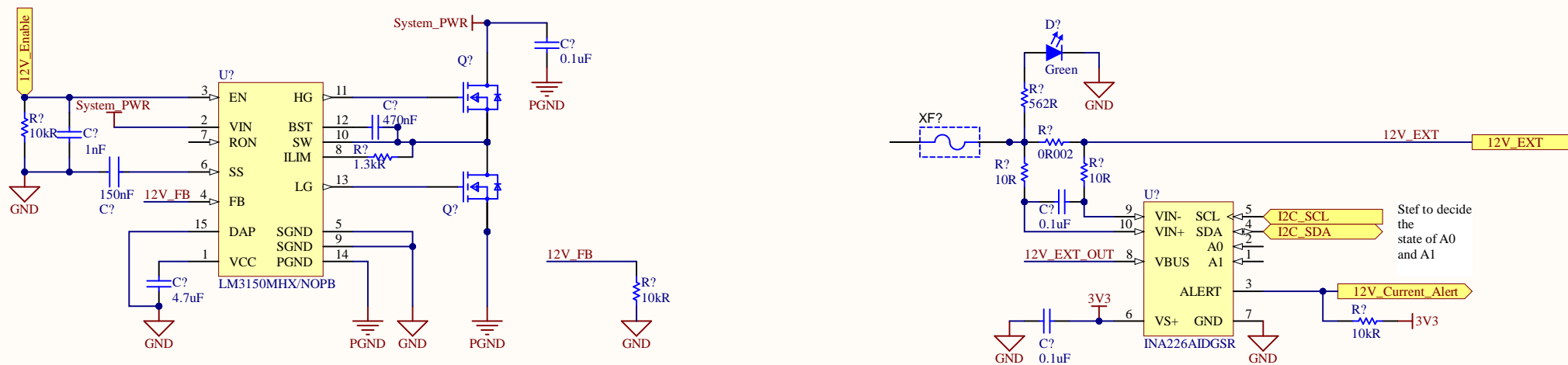
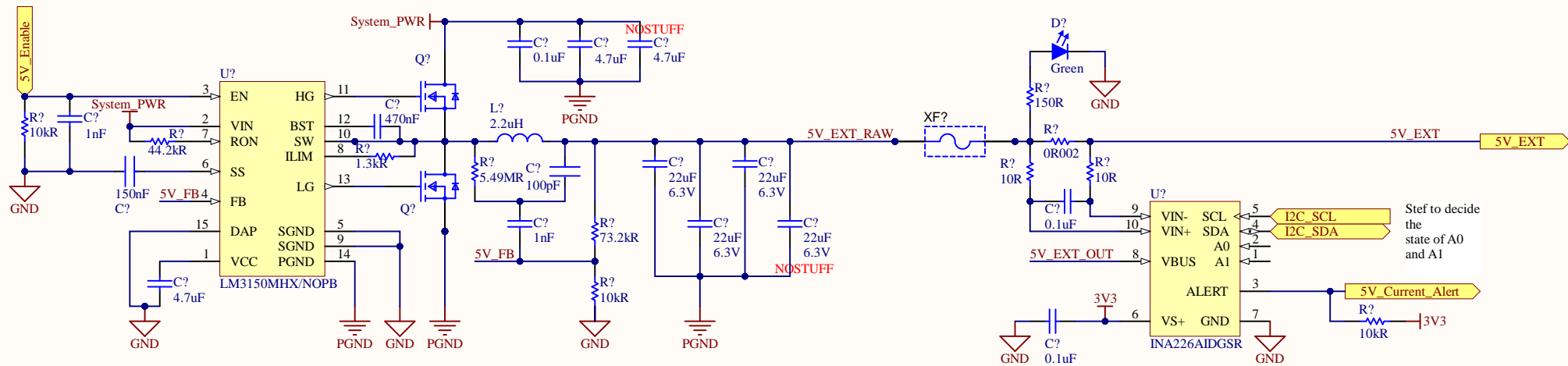


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Alternate fuse holders
3555-2

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File:	C:\Poorna\...16V_VBatt_External.SchDoc Drawn By:	



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

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Date:

7-18-2020

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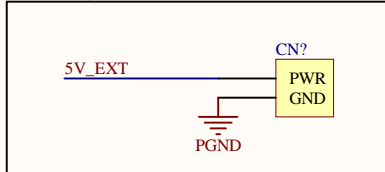
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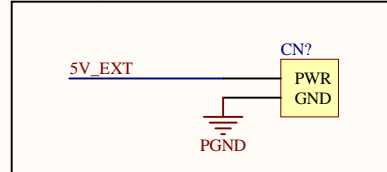
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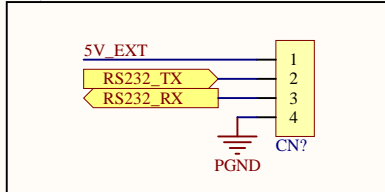
LCD Board, 5V @ 4A



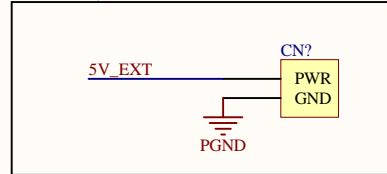
Unallocated, 5V



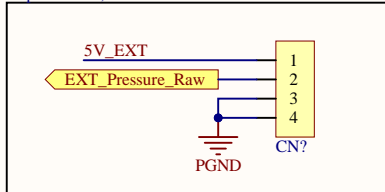
IMU, 5V @ 500mA



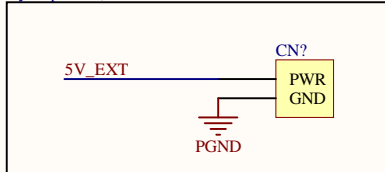
Unallocated, 5V



Depth Sensor, 5V @ 3mA

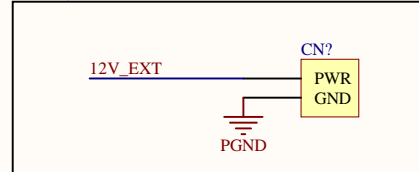


Hydrophones, 5V @ 250mA

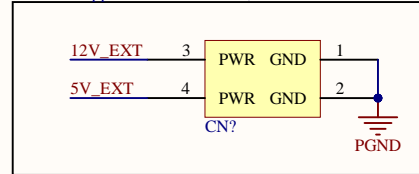


12V

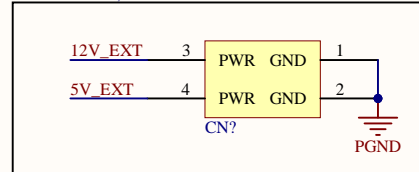
DVL, 12V @ 3A



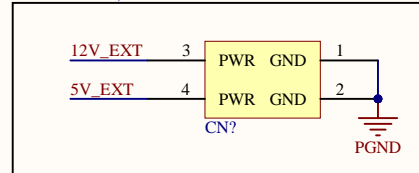
Ball Dropper and Grabber Arm, 12V @ 3A



Unallocated, 12V

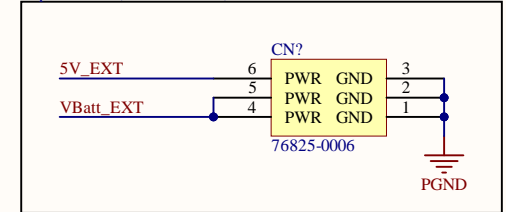


Unallocated, 12V

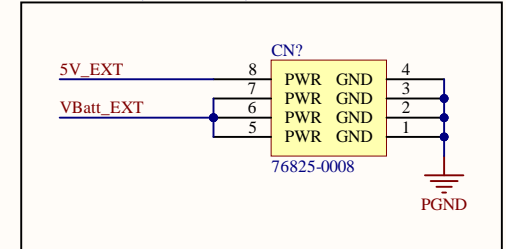


VBatt

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

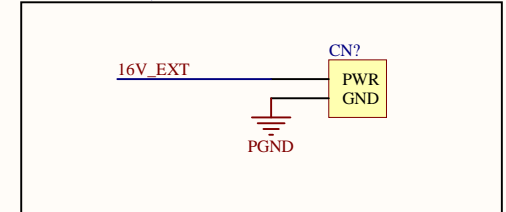


Motor Controller, VBatt @ 60A, 5V @ 250mA

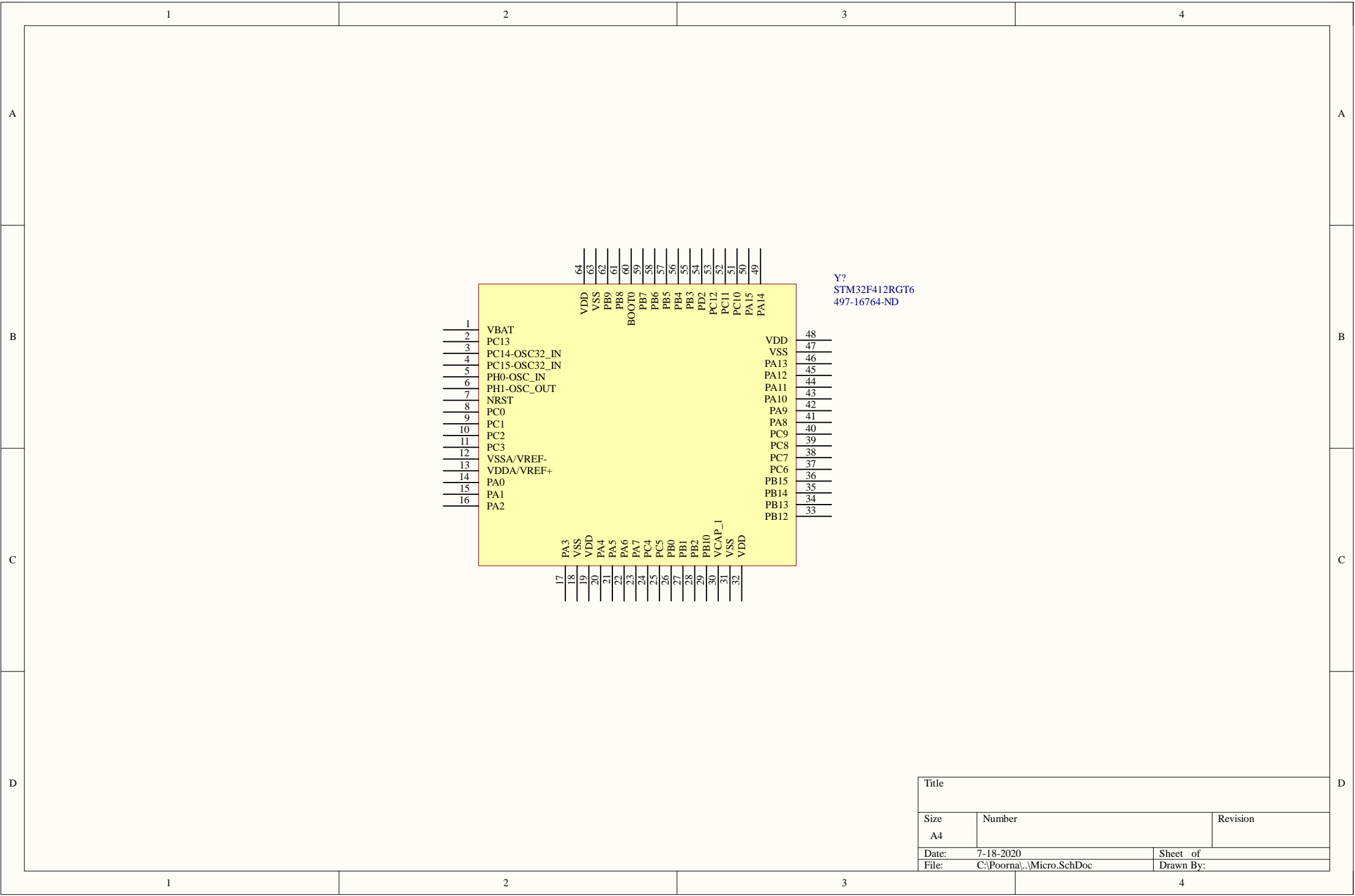


16V

Nvidia Jetson TX2, 16V @ 3A



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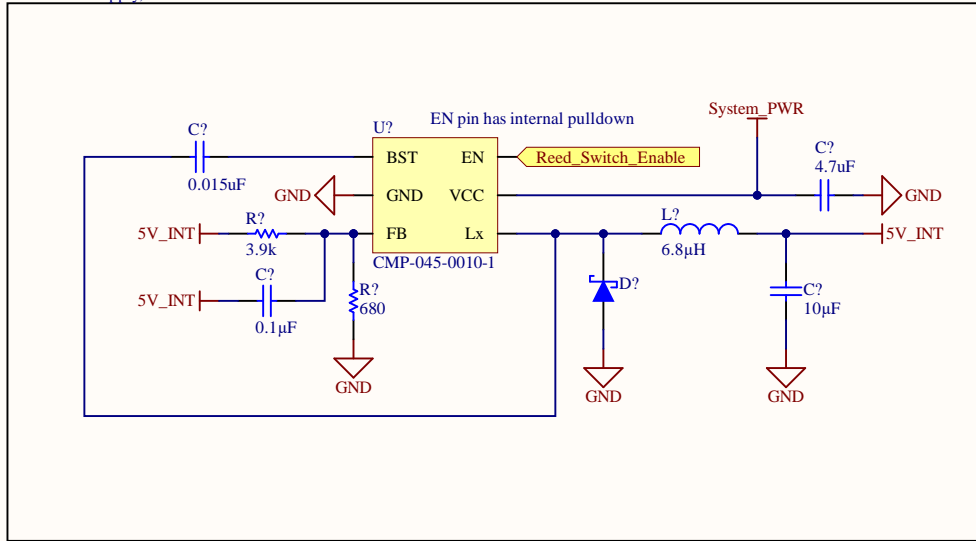
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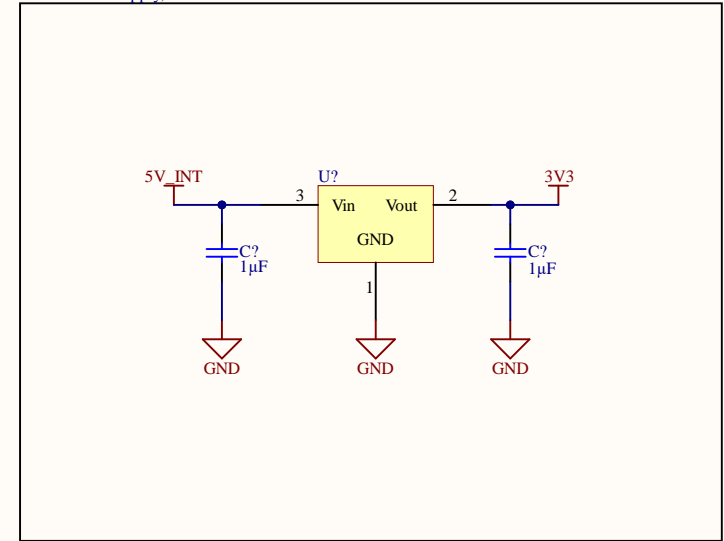
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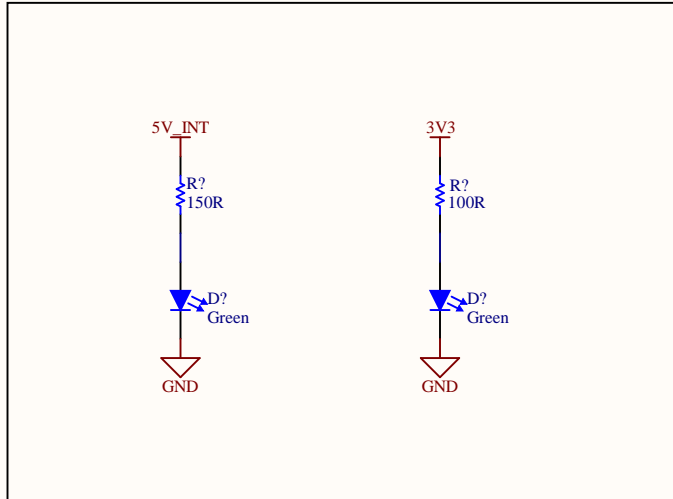
5V Internal Supply, 500mA



3V3 Internal Supply, 250mA

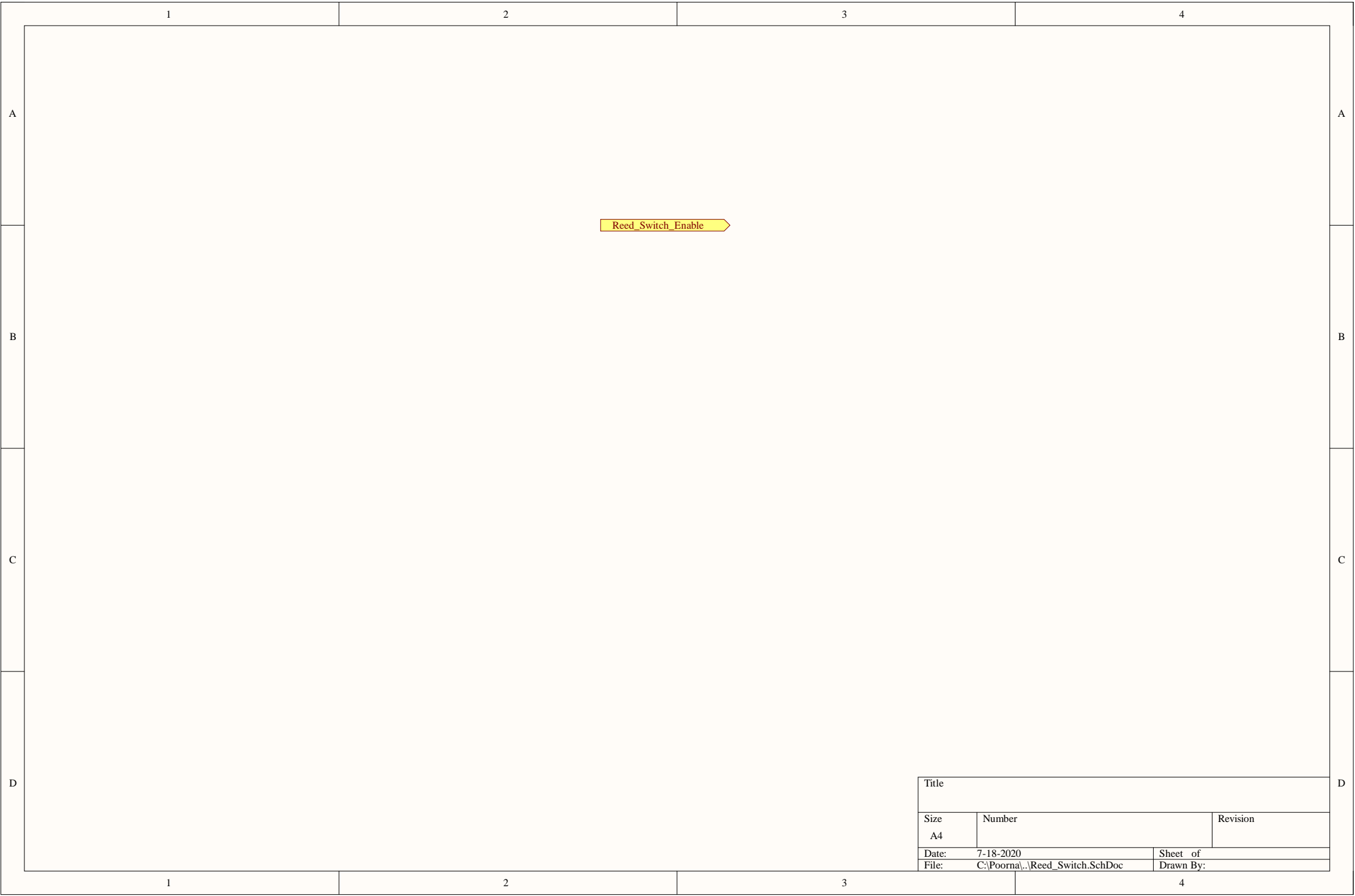


Status LEDs



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

Title		
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Reed_Switch_Enable

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