

LTE Cat M1 Asset Tracker

Revision B

Property of Profero Technology, LLC

2/3/2021

Design Notes

- Removed OLED Display
- Removed inline RF connection
- Disconnected GPS IO15
- VDD_USB --> 3.3V

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TITLE: Tracker_v5B

Document Number:

REV:

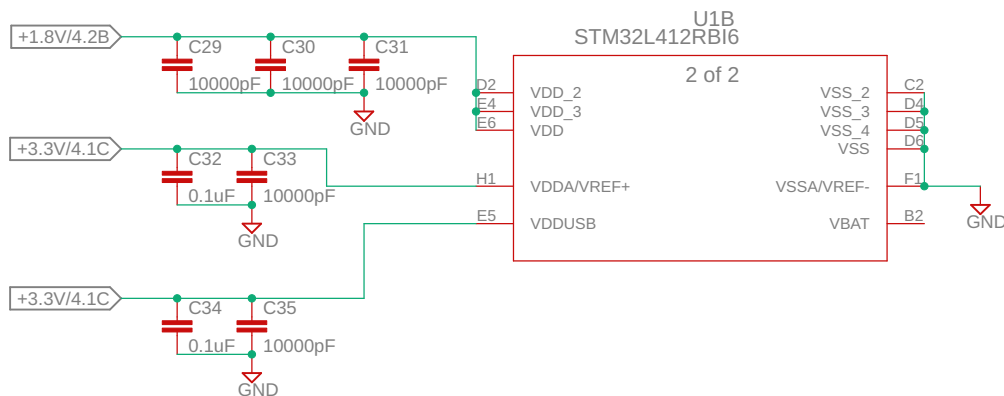
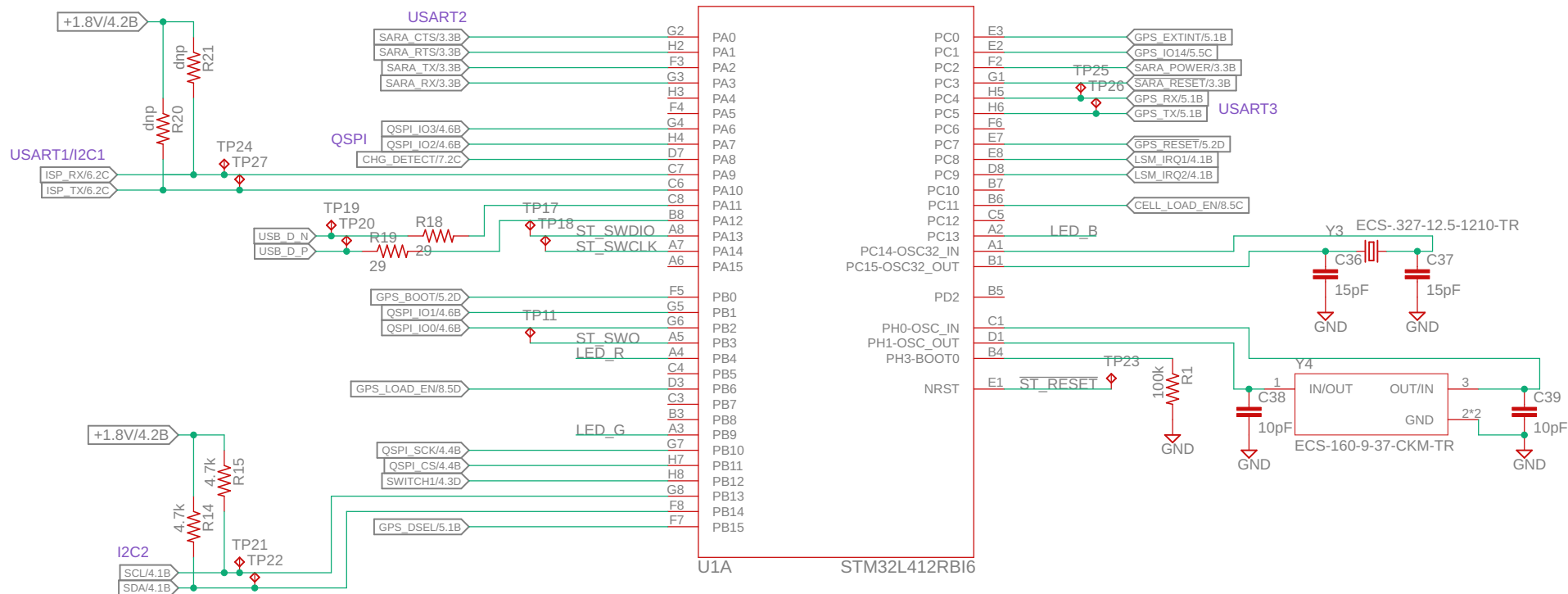
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STM32L4 MCU

Peripheral Configuration Notes

QSPI (AF10) CS - PB11 SCK - PB10 IO0 - PB2 IO1 - PB1 IO2 - PA7 IO3 - PA6	USART2 (AF7) CTS - PA0 RTS - PA1 TX - PA2 RX - PA3	I2C2 (AF4) SDA - PB14 SCL - PB13	USART3 (AF7) GPS RX - PC4 GPS TX - PC5
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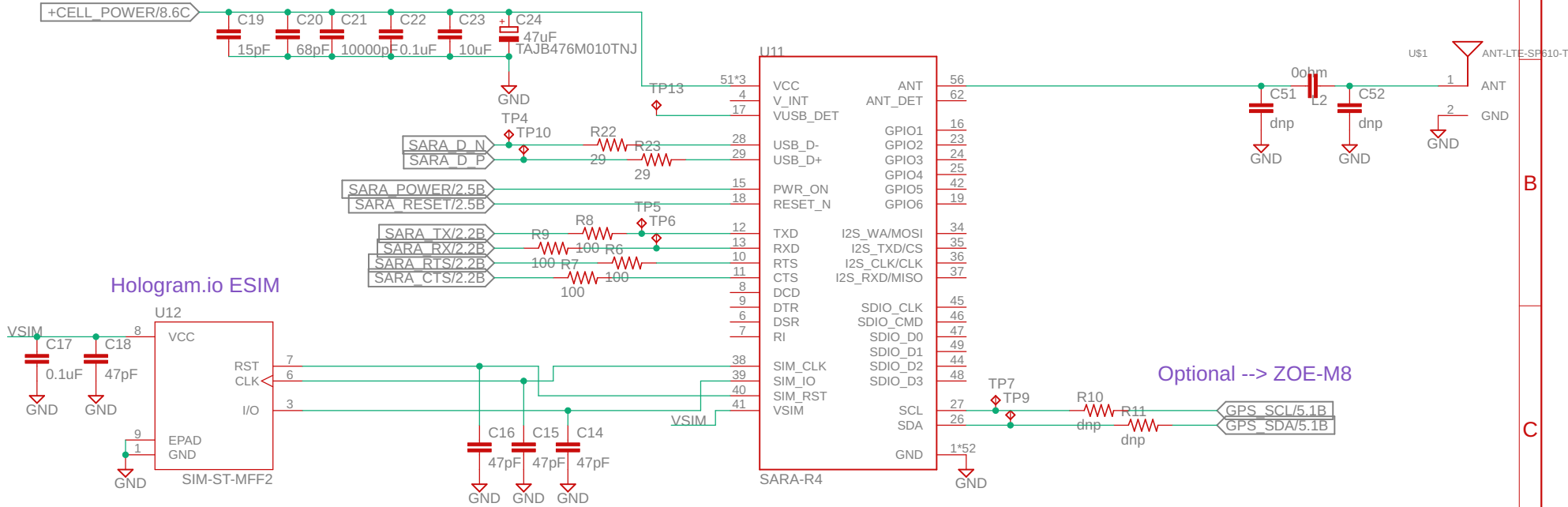
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SARA-R4 LTE CAT M1 Module



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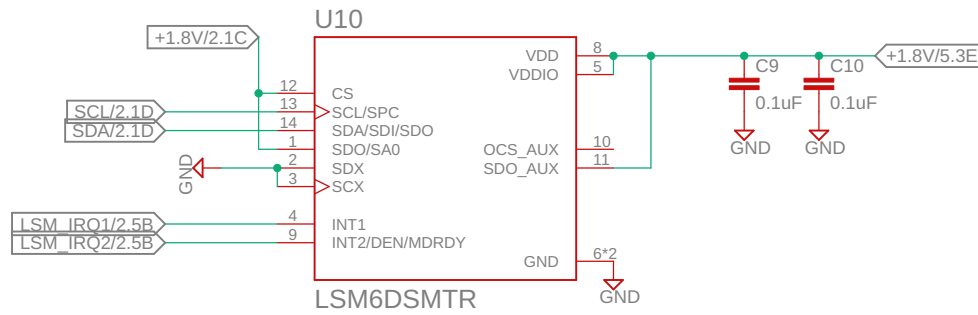
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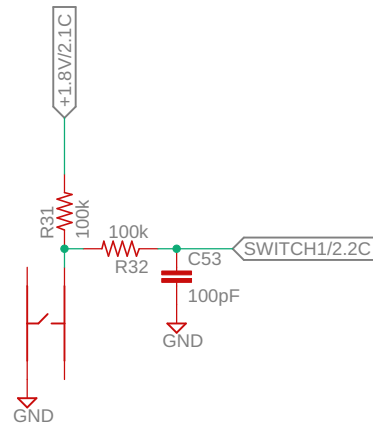
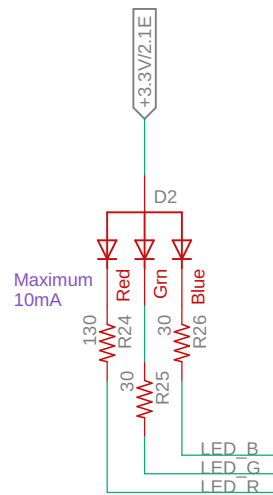
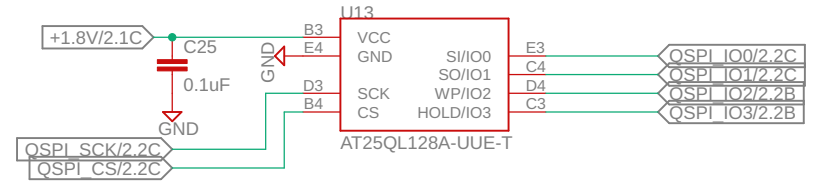
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Sensors & Peripherals

6DoF IMU



128Mbit QSPI Flash



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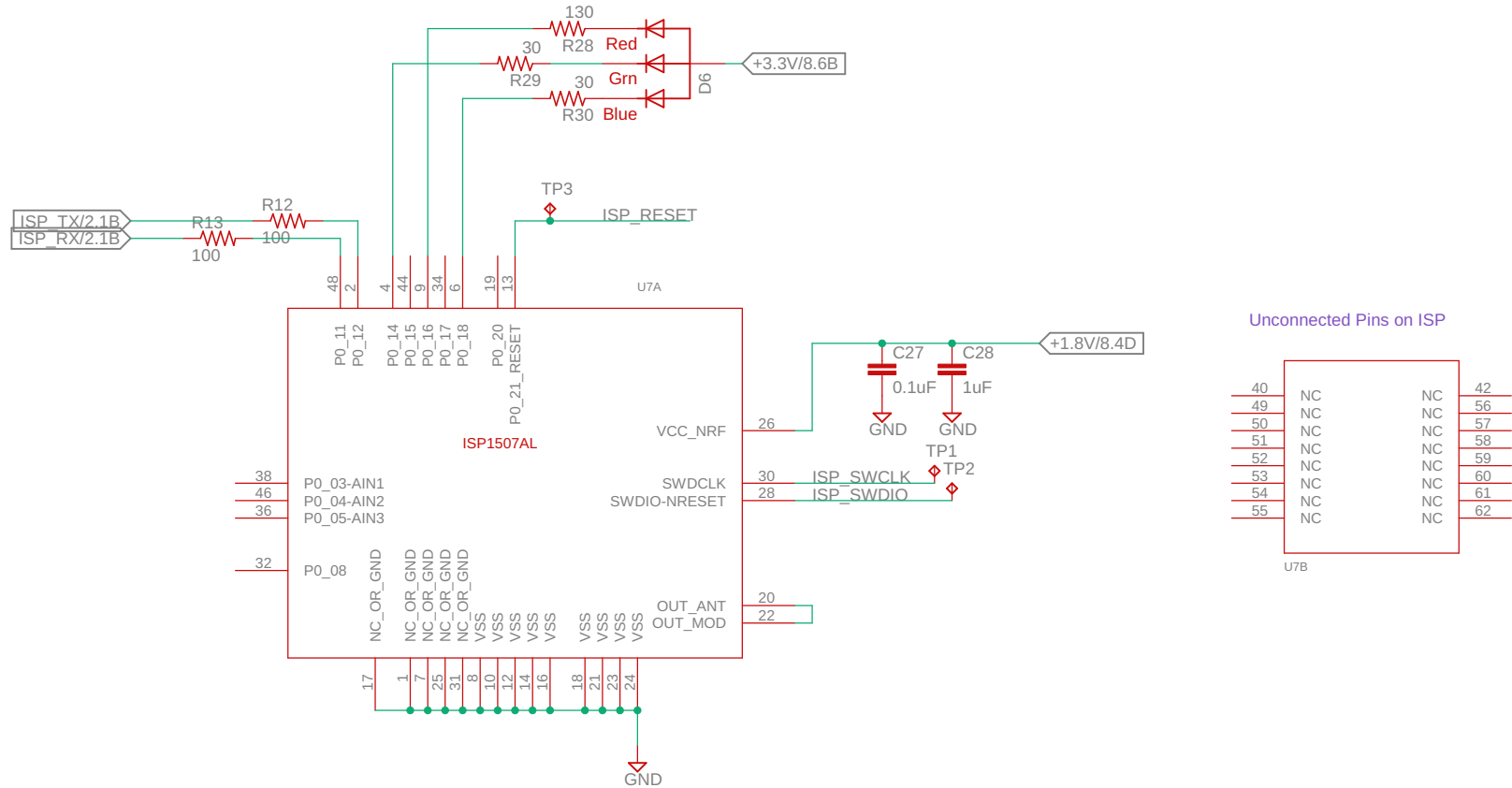
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Bluetooth 5.0



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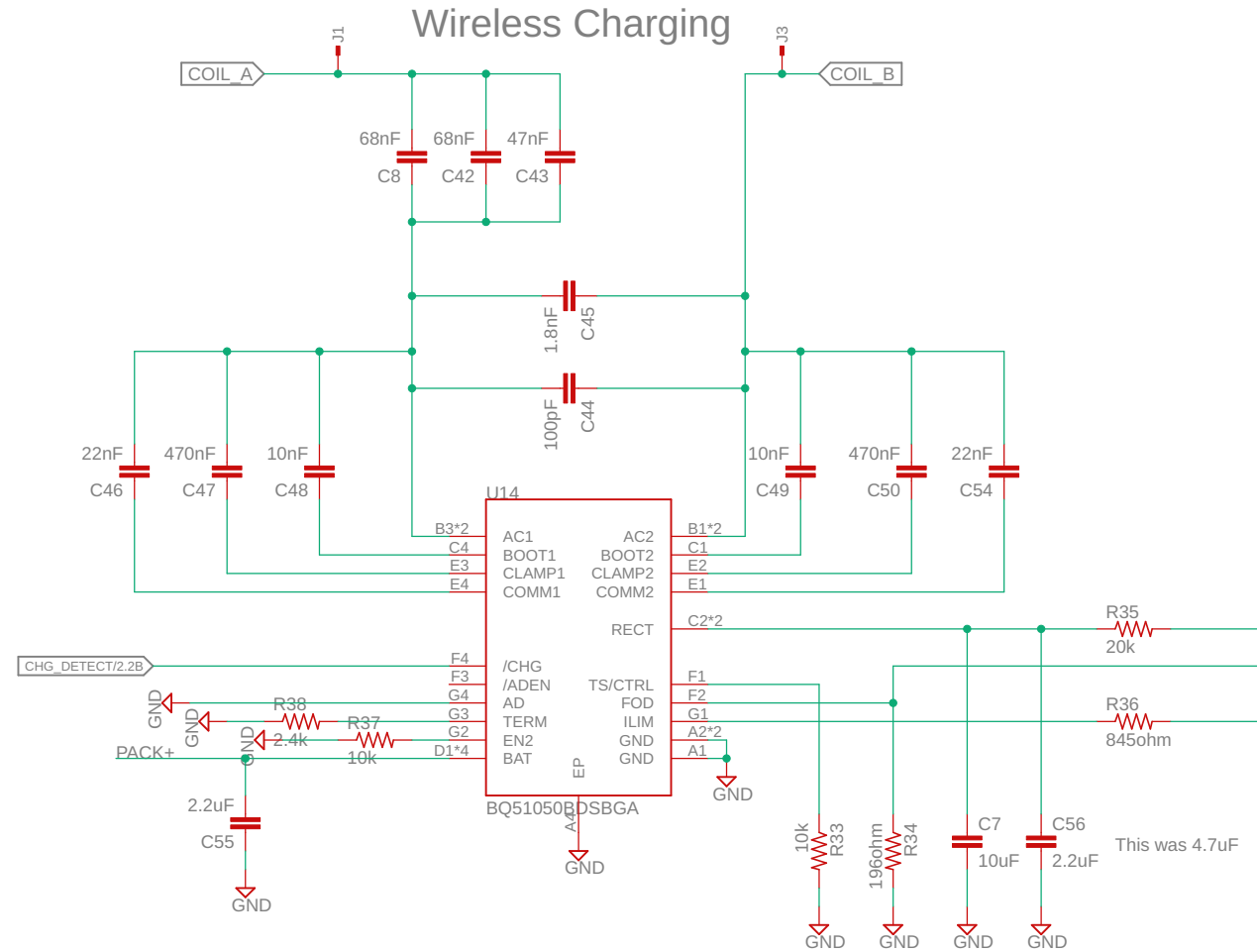
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Qi Compliant Wireless Charger



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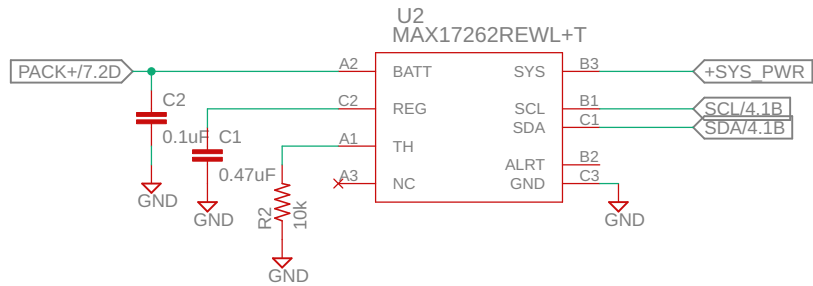
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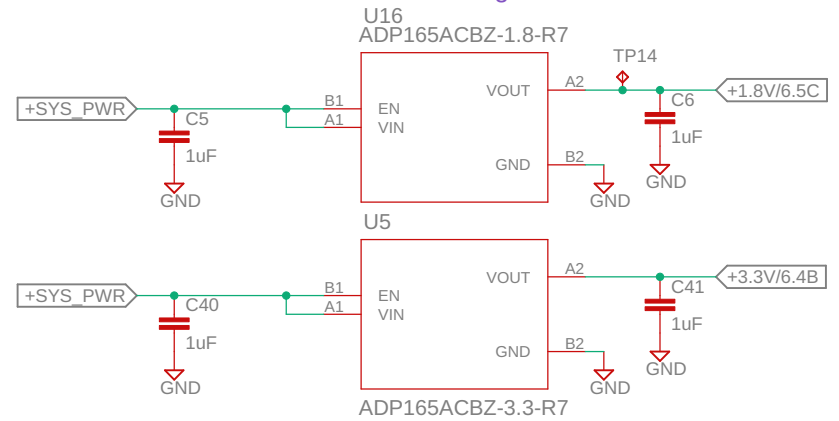
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Power

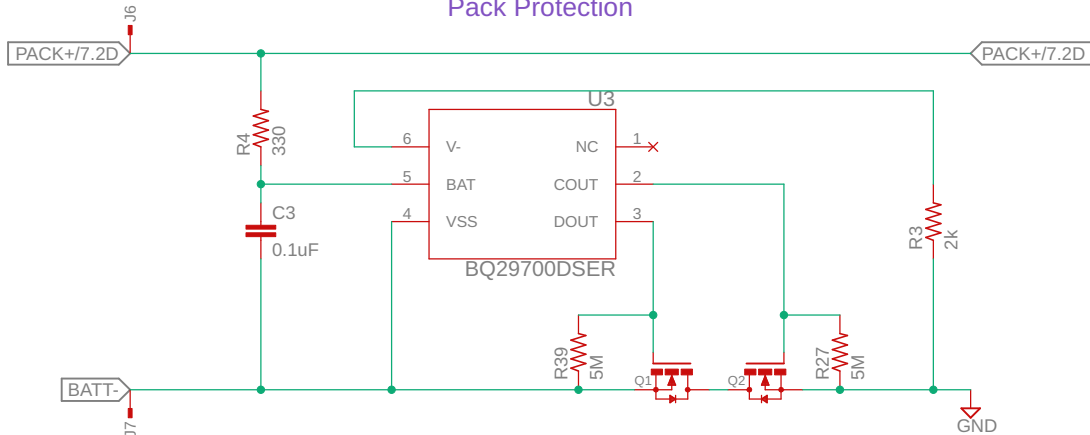
Fuel Gauge



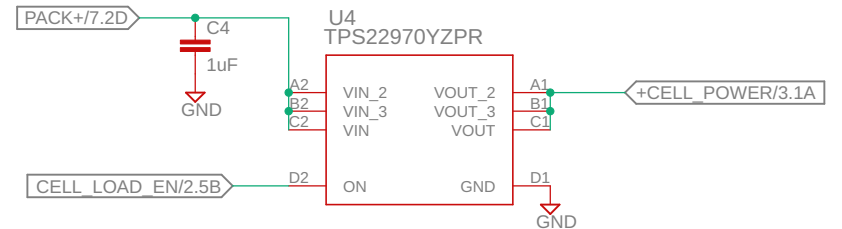
Linear Regulators



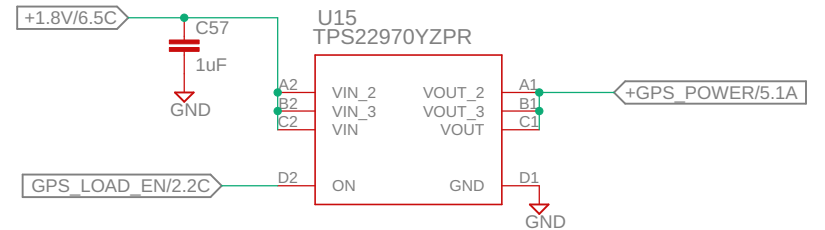
Pack Protection



Cell Load Switch



GPS Load Switch



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