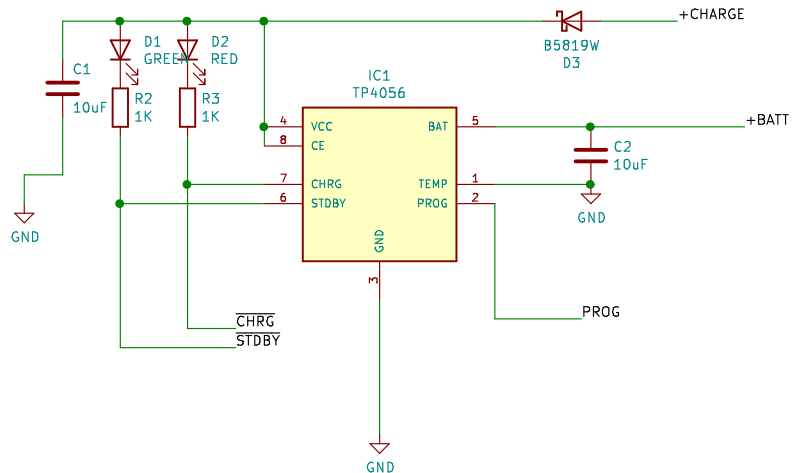


D1: Green
 Vf: 2.7-3.7v
 112-285mcd @ 20mA
 5mA: 260ohms
 Final Value: 1K

D2: Red
 Vf: 1.9-2.2v
 100-120mcd @ 20mA
 10mA: 180 Ohms
 Final Value: 1K

Schottky used as a voltage dropper to
 improve efficiency of TP4056. B5819W
 diode has a 0.2-0.4v forward drop
 at 0.0 to 0.5A current

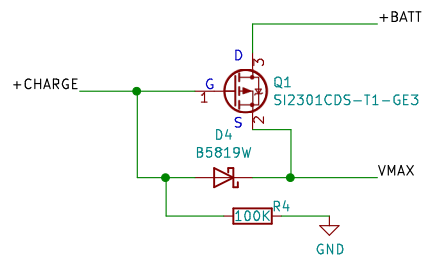


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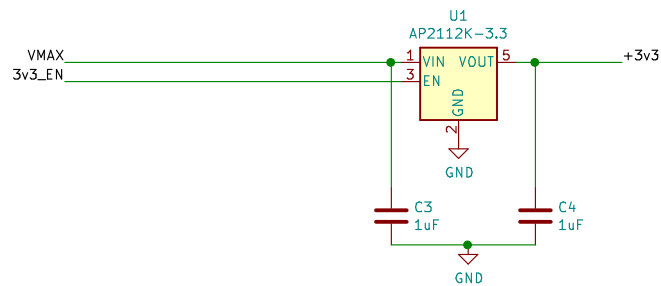
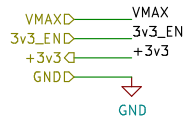
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Date:
 Rev:
 Id: 2/5



Rev:
Id: 3/5



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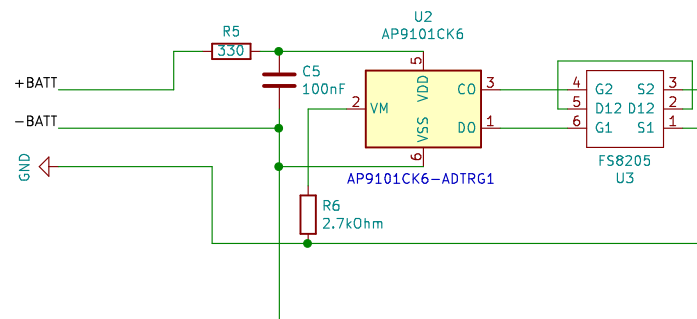
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Size: A4
KiCad E.D.A. kicad 5.1.8

Date:

Rev:
Id: 4/5

+BATTD — +BATT
-BATTD — -BATT
GNDD — GND



Sheet: /battery-protection/
File: battery-protection.sch

Title: Battery Protection

Size: A4
KiCad E.D.A. kicad 5.1.8

Date:

Rev:

Id: 5/5