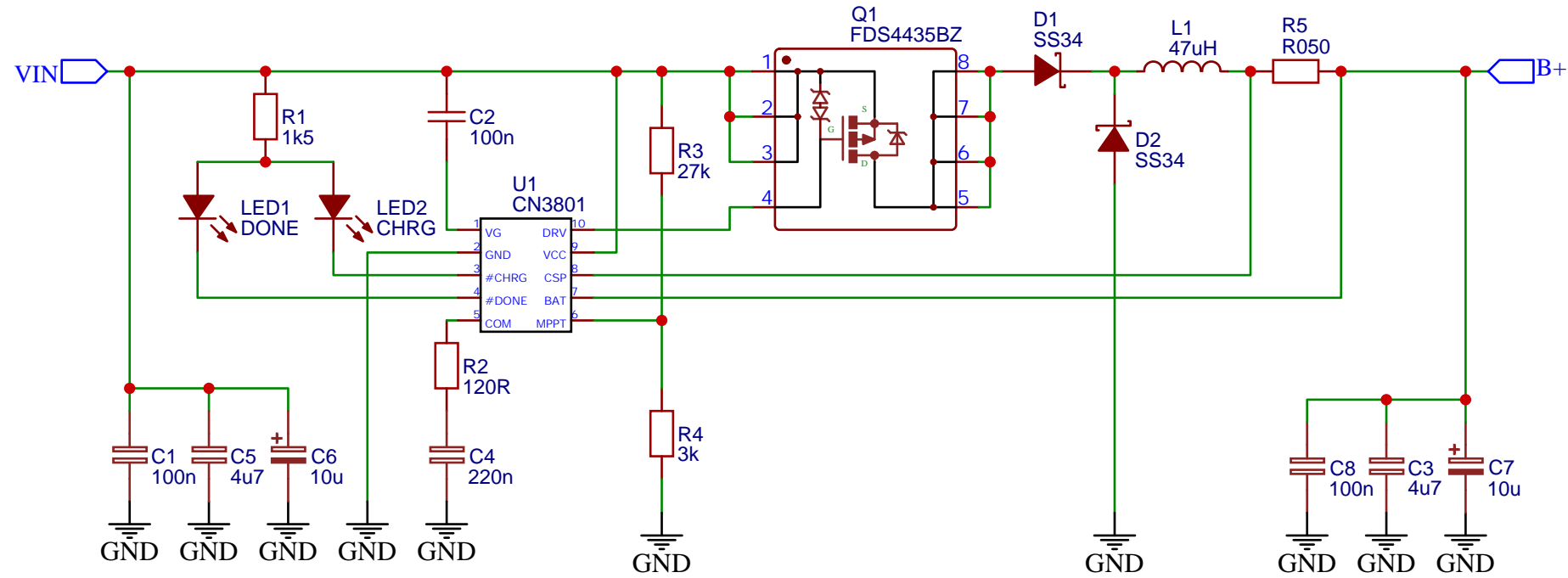
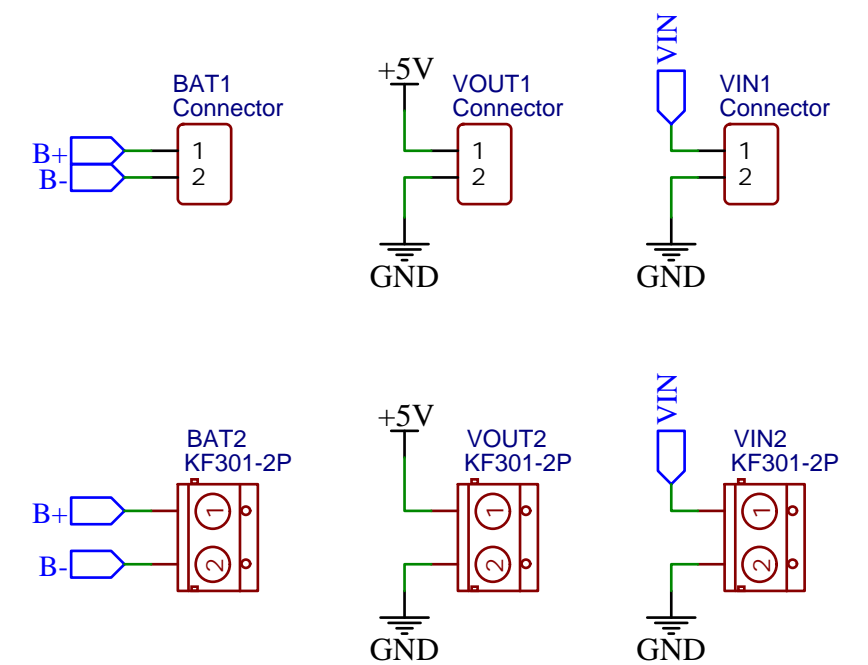


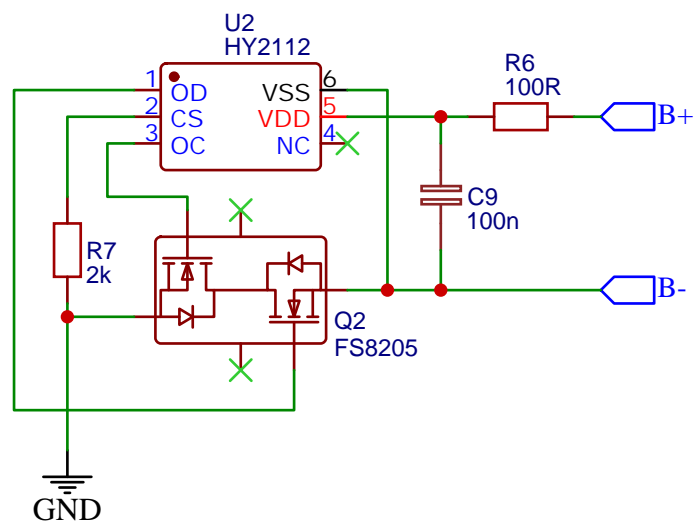
Solar Battery Charger



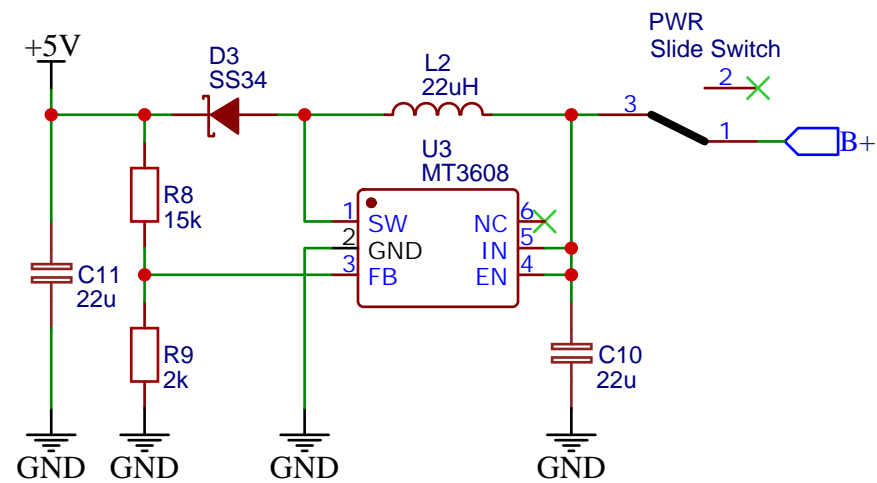
Connectors



Battery Protection



5V Boost Converter



$$I_CHARGE = 120\text{mV}/R5 \text{ (max 2.4A)}$$

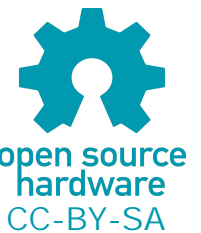
$$V_MPPT = 1.205 \times (1 + R3/R4)$$

$$L1 > 5 \times (VIN - VBAT) \text{ uH}$$

For use with LiPo Batteries:

U1 = CN3791

U2 = DW01A or FS312F-G



TITLE: LiFePO4 Battery Solar Charger		REV: 1.0
Company: wagiminotor		Sheet: 1/1
Date: 2019-12-27		Drawn By: Stefan Wagner

