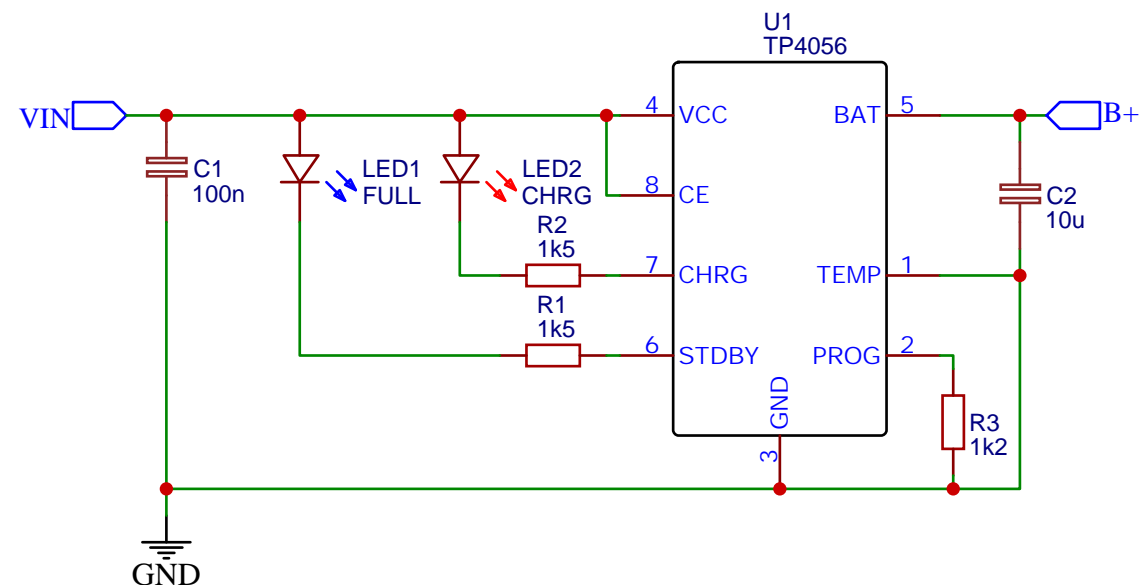
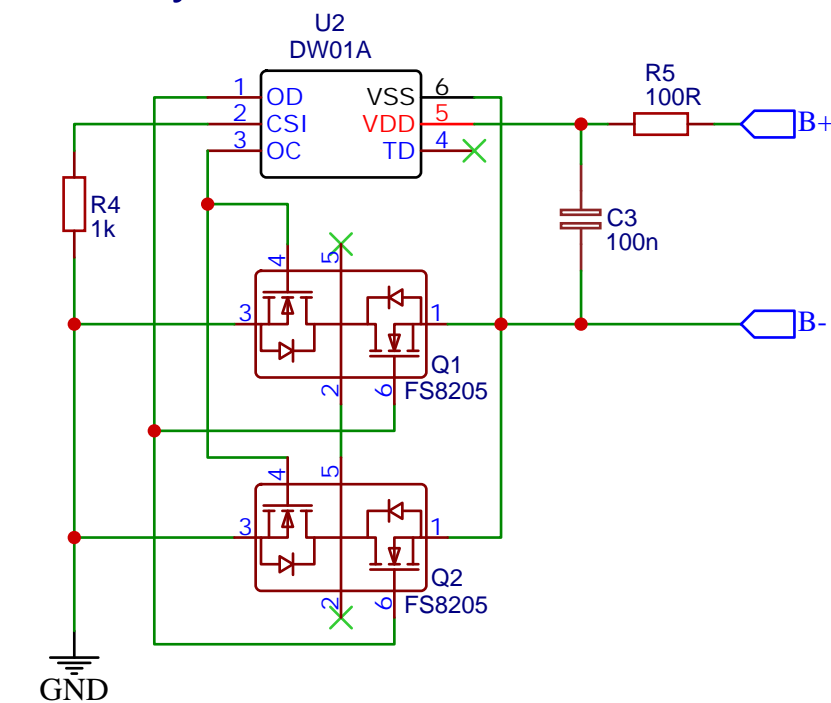


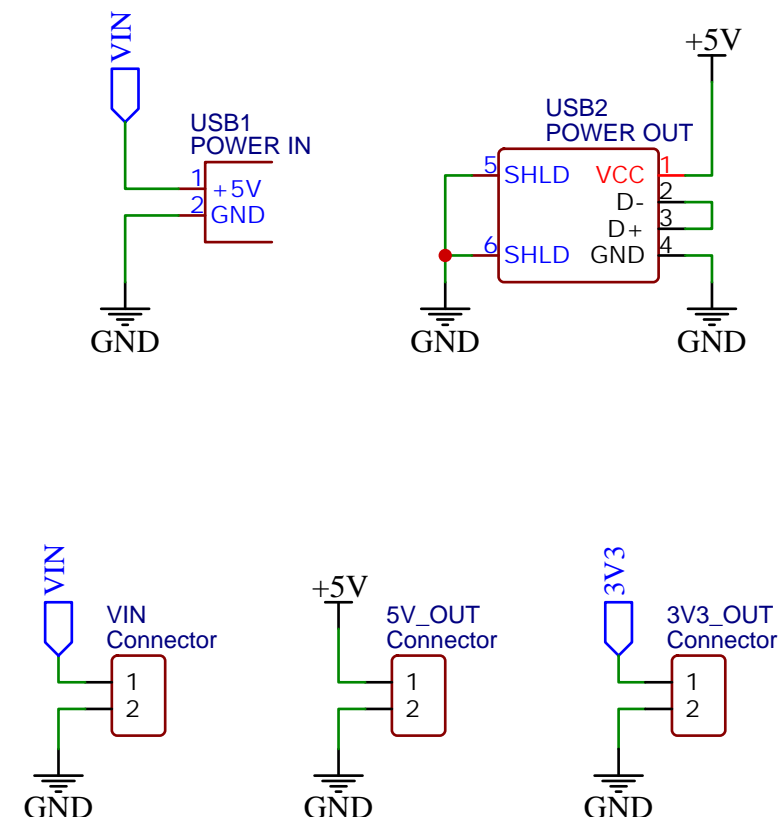
Battery Charger



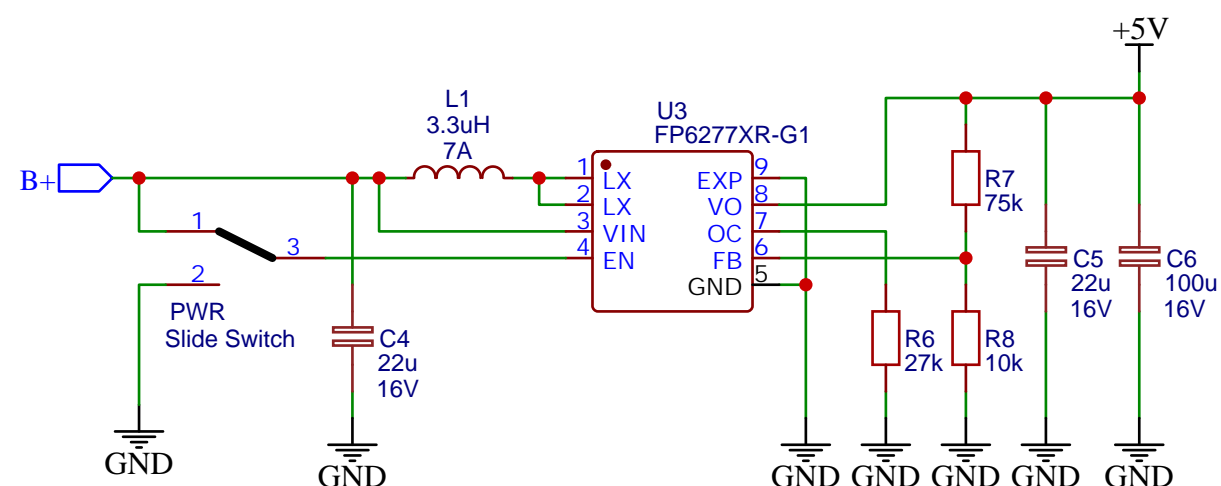
Battery Protection



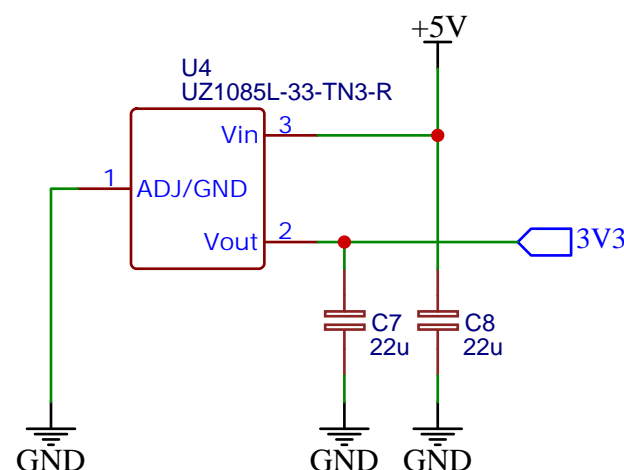
Connectors



5V Boost Converter



3.3V Voltage Regulator



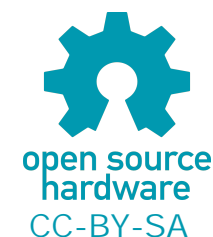
Set charging current by selecting R3
 1k2 - 1000mA (max)
 1k5 - 780mA
 2k - 580mA
 4k - 300mA

$$R3 = \frac{1200V}{I_{LOAD}}$$

Set switching current limit by selecting R6

$$R6 = \frac{180000}{I_{OUT} - 0.2} \quad (\text{max } 7A / 27k)$$

Set output voltage by selecting R7/R8

$$V_{OUT} = 0.6V * (1 + R7 / R8) \quad (\text{max } 5.3V)$$


The EP plate of the FP6277 requires a good conductive connection to the corresponding plate on the PCB!

Only use unprotected Li-Ion batteries which are rated for a discharge current of at least 7A !

TITLE: Power Bank 3A		REV: 1.0
EasyEDA	Company: wagiminator	Sheet: 1/1
	Date: 2020-05-26	Drawn By: Stefan Wagner