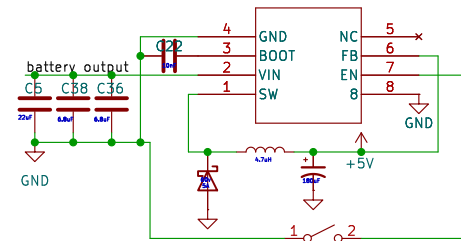
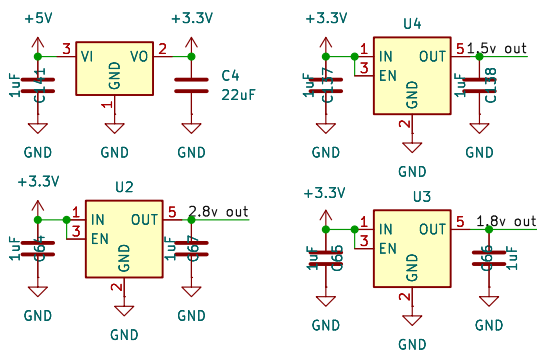


Power supply and regulator

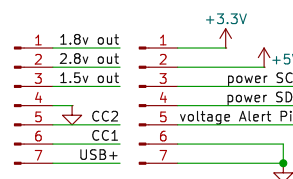


Power Input through solder points from batteries (Battery Voltage Ranges 6-9V)
Bulk capacitors and Inductor added as specified in device manual of XL509

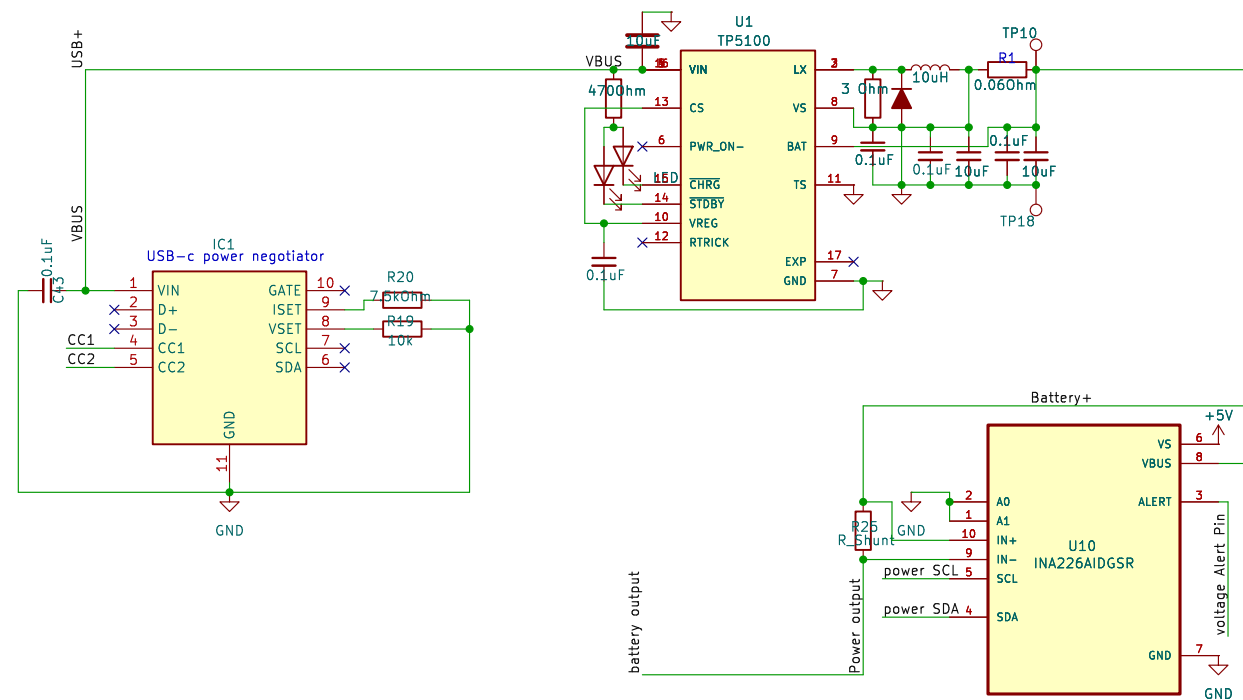
additional power regulators



Power supply and regulator

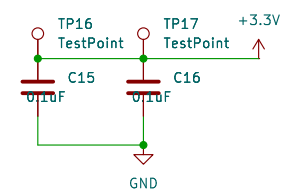


Battery charging + charge detection circuit



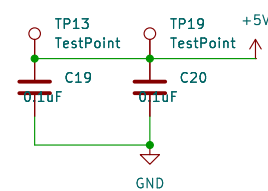
Regulates 1.2v at 2.5A via the CC1 and CC2 ports on the USB-C connections
then charges the 2s Battery with it.
The Battery must already include protection circuits
Also includes an IC that can estimate the remaining charge in the battery by measuring the output voltage

3.3V testPoints



3.3V solder points used to connect external devices (ex. flash)
each point shielded by individual decoupling capacitor and single bulk capacitor

5V testPoints



5V solder points used to connect external devices (ex. flash)
each point shielded by individual decoupling capacitor and single bulk capacitor

GND testPoints

