

## Schematic Notes

- Schematic Notes

   NCV68261 is an ideal diode used to prevent current injection into USB or battery source

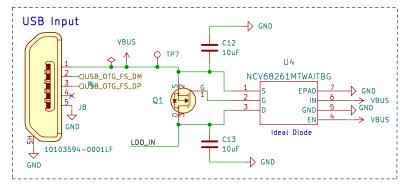
   Mimics common two source voltage input selection circuit of having a series diode on each line w/o voltage drop

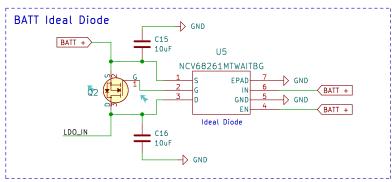
   BATT+ ranges 3.6V to 4.2V depending on SOC

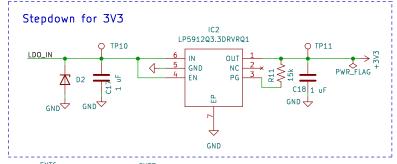
   Most of the health/current information of the eFuse has been neglected since there is no supervisor MCU

   EFuse designed to have overvoltage lockout at 4.95V and undervoltage lockout at 2.5V, though UVLO unecessary

   The ideal diode circuit for the battery input could perhaps be deleted since the eFuse accomplishes the same purpose, but it was left so that battery outputs such as stepper motors and passive retainment cannot be attempted with only USB power







EXT6
PWR Banana Plugs EXT7
Power Male Connector

> Sheet: /USB and MCU LDO/ File: usb\_MCU\_LDO.kicad\_sch

Title:

Size: A4 Date: Rev: KiCad E.D.A. kicad (6.0.11-0) ld: 4/5

