

Schematic Notes

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

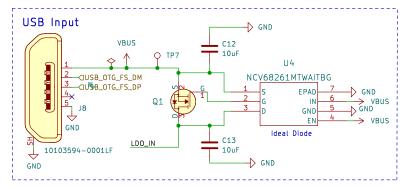
 Mimics common two source voltage input selection circuit of having a series diode on each line w/o voltage drop

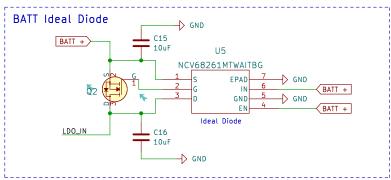
 BATT+ ranges 3.6V to 4.2V depending on SOC

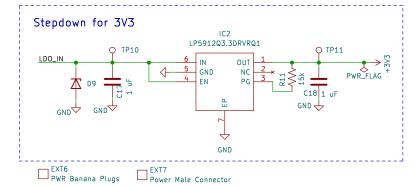
 Most of the health/current information of the eFuse has been neglected since there is no supervisor MCU

 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







Sheet: /USB and MCU LDO/ File: usb_MCU_LDO.kicad_sch

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

