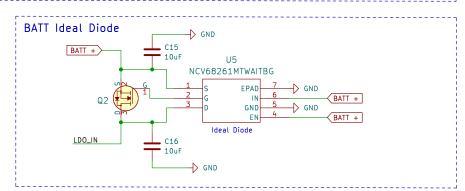
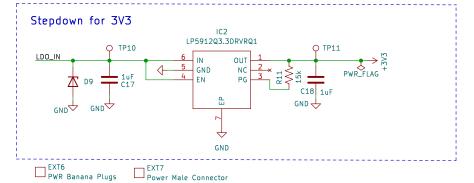


Schematic Notes

- 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 passvie retainment cannot be attempted with only USB power





Cal Poly, SLO

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

Title: CubeSat SADA - Main

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