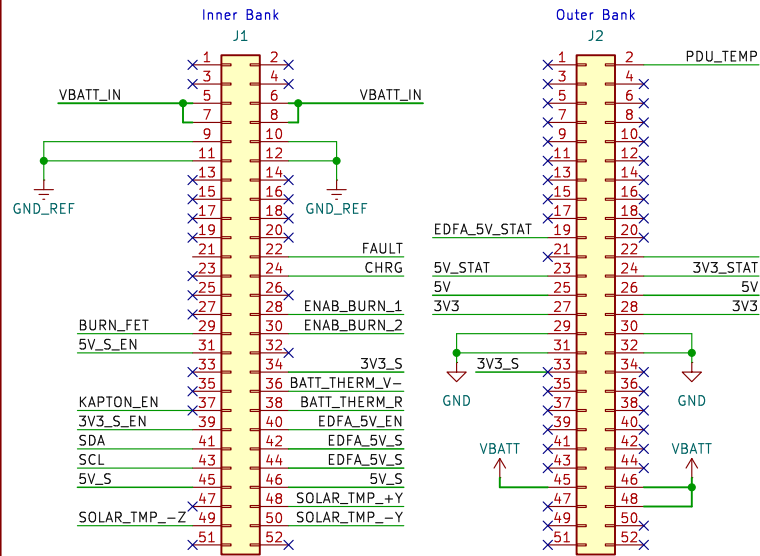
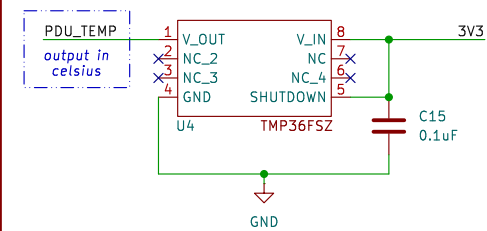


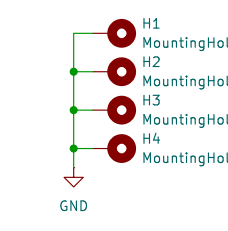
PC104 Connector



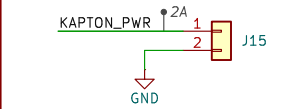
Temperature Sensor



Mounting Holes

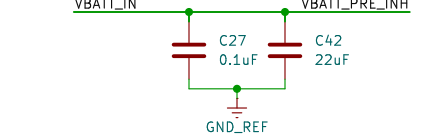


Batt Heat

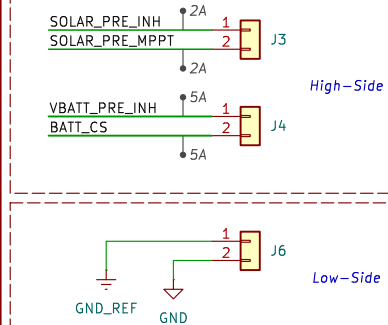


Input Voltage Filtering

reference: PyCubed Mainboard v05



Inhibits

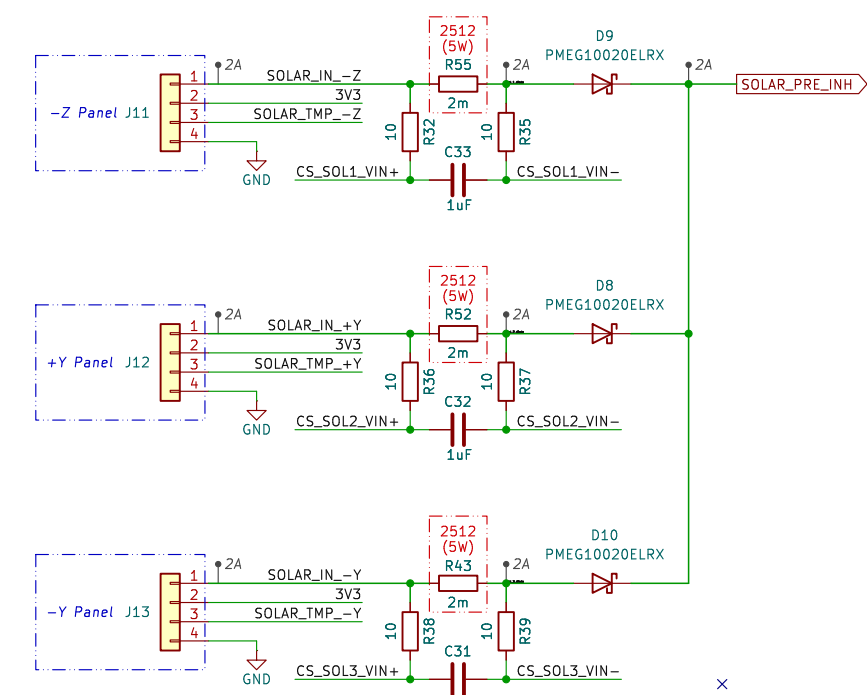


RBF Pins

To Be Integrated into v4 (alongside USB charging)

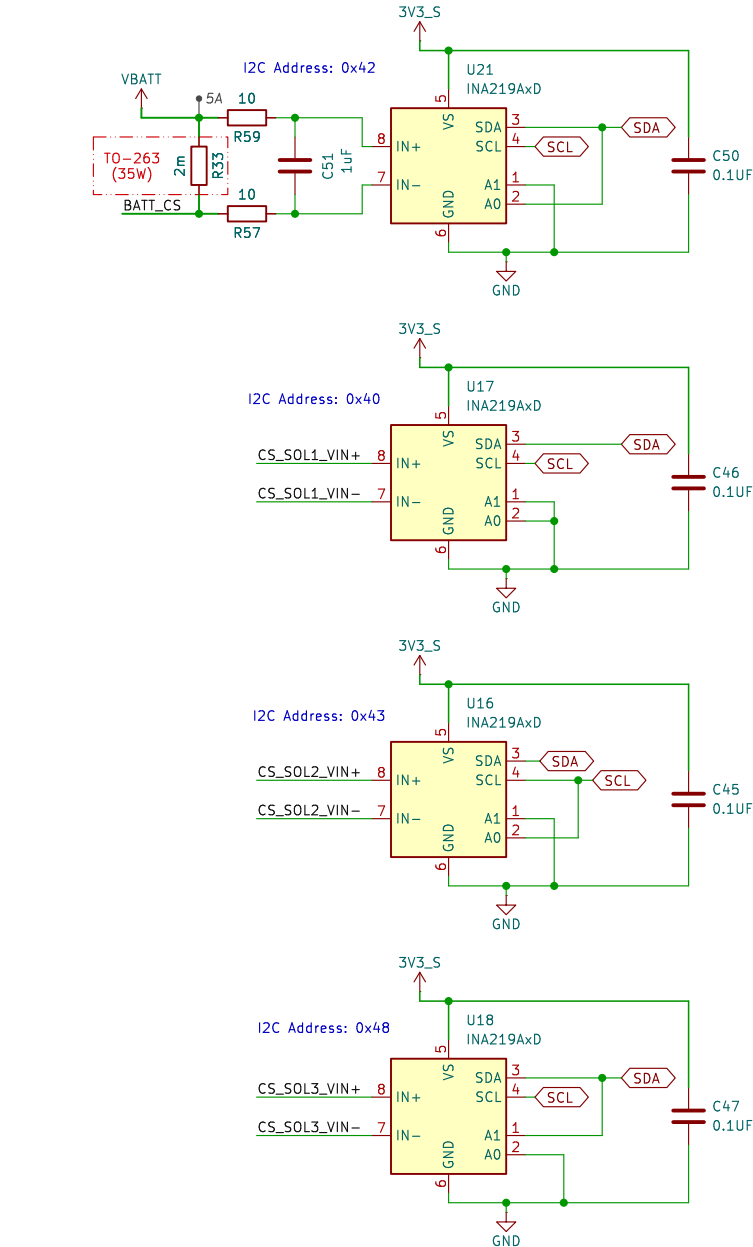
Solar Panel Inputs

reference: Artemis Kit PDU v02

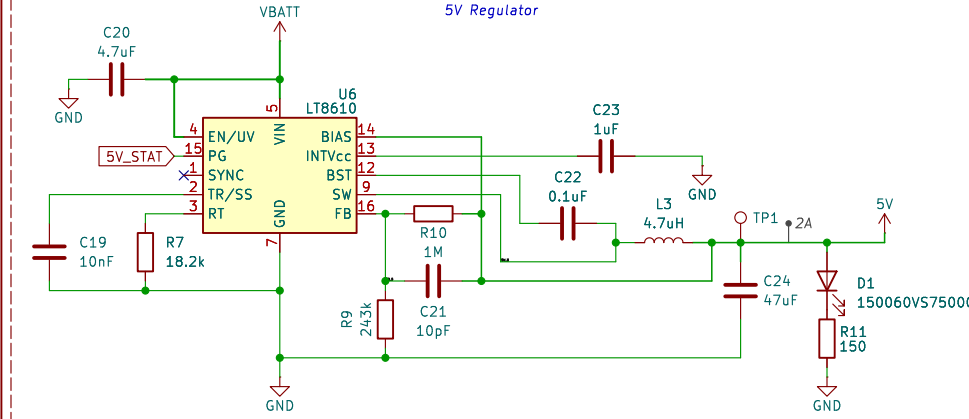
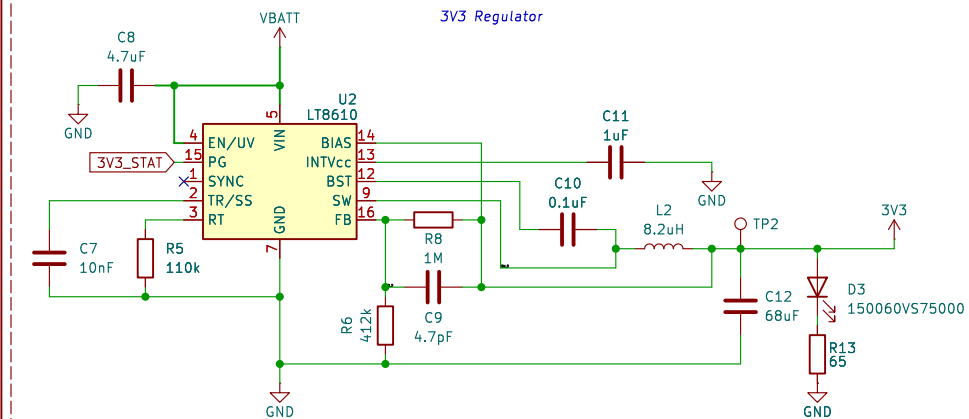
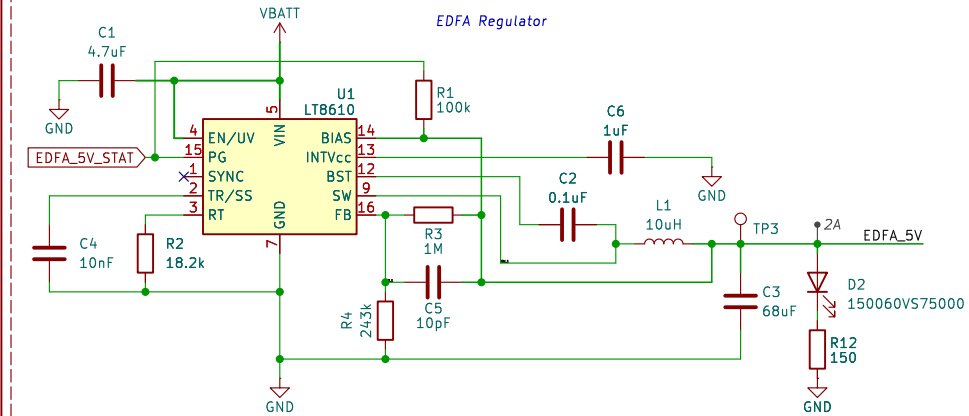


Current/Voltage Sensors

reference: Artemis Kit PDU v02

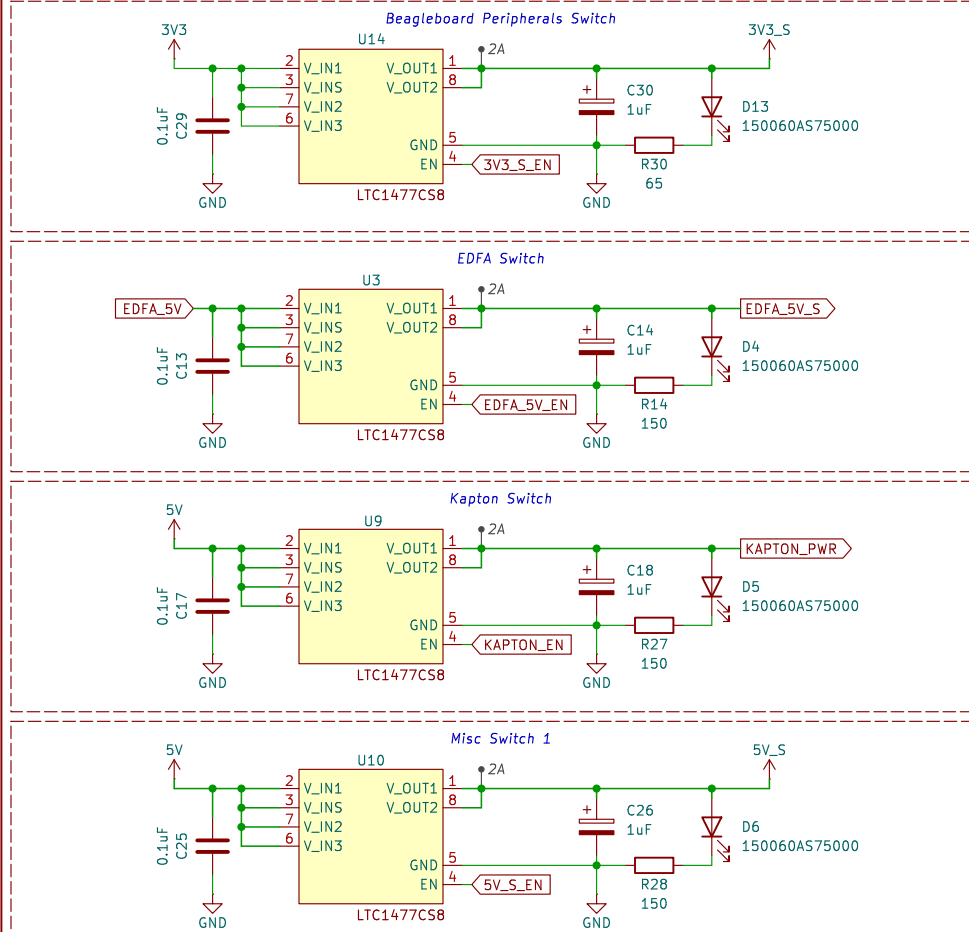


Voltage Regulators



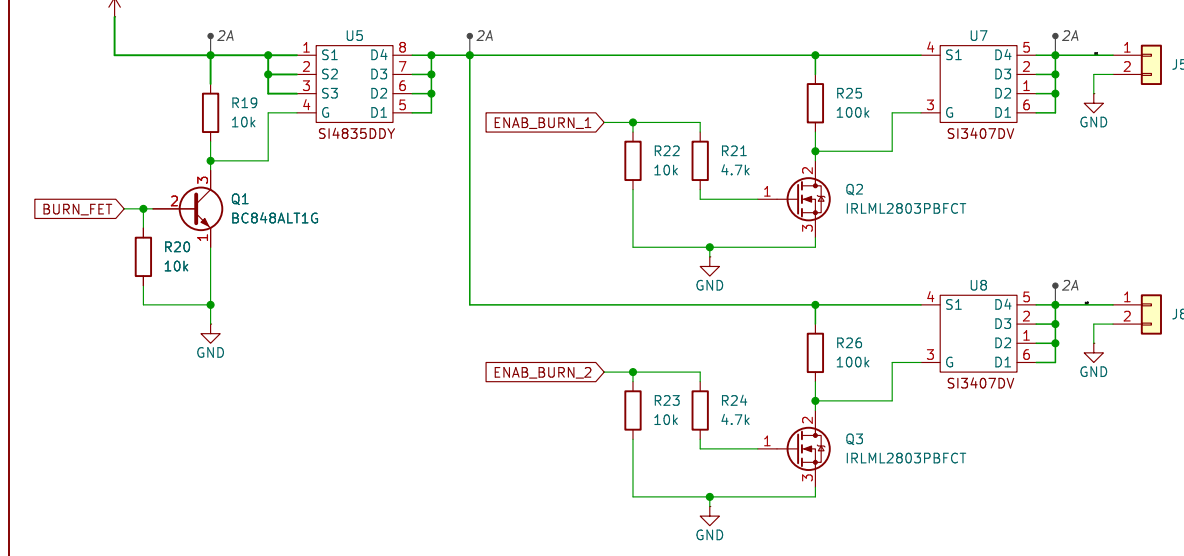
Power Switches

reference: Artemis Kit PDU v02

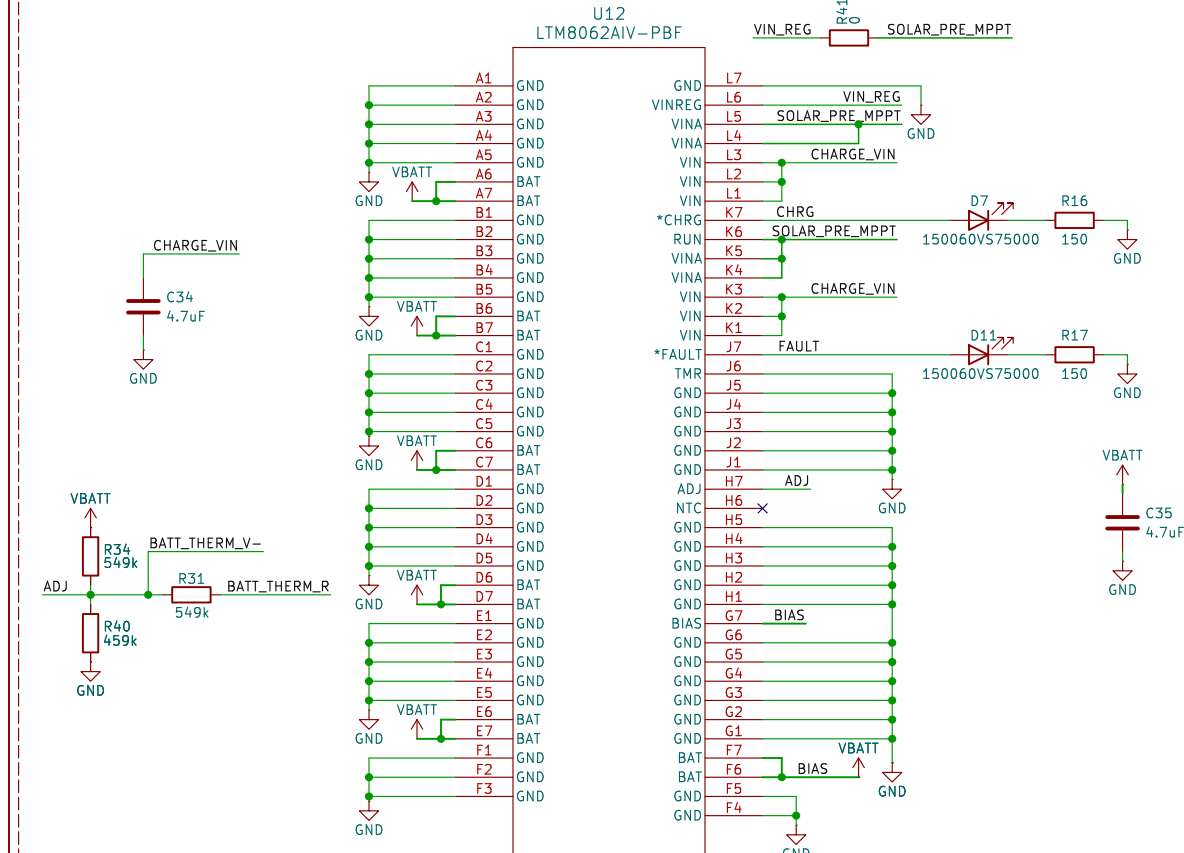


Antenna Deployment

reference: Artemis Kit PDU v02



Battery Charging



ALL COMPONENTS ARE 0603 UNLESS OTHERWISE SPECIFIED



Designed by Graydon Schulze-Kalt
UChicago Space Program

Sheet: /

File: PowerDistribution.kicad_sch

Title: PULSE-A Power Distribution Unit (PDU)

Size: User

Date: 2025-06-29

Rev: 3.0.0

KiCad E.D.A. 8.0.3

Id: 1/1