

Power Supply



File: power.kicad_sch

Provides power (+9V, +5V, and +3.3V) and battery charging.

Controller



File: output.kicad_sch

Comms Controller



File: comms.kicad_sch

Serial (Reprogramming)

MASTER <--> SPI <--> SLAVE

--> I2S -->

High-level controller responsible for wireless comms, display, and user controls

Low-level controller responsible for controlling output module drivers and routine generation

Overview of the SW-324

saawsm

Sheet: /
File: SW-324.kicad_sch

Title: SW-324: Main Board

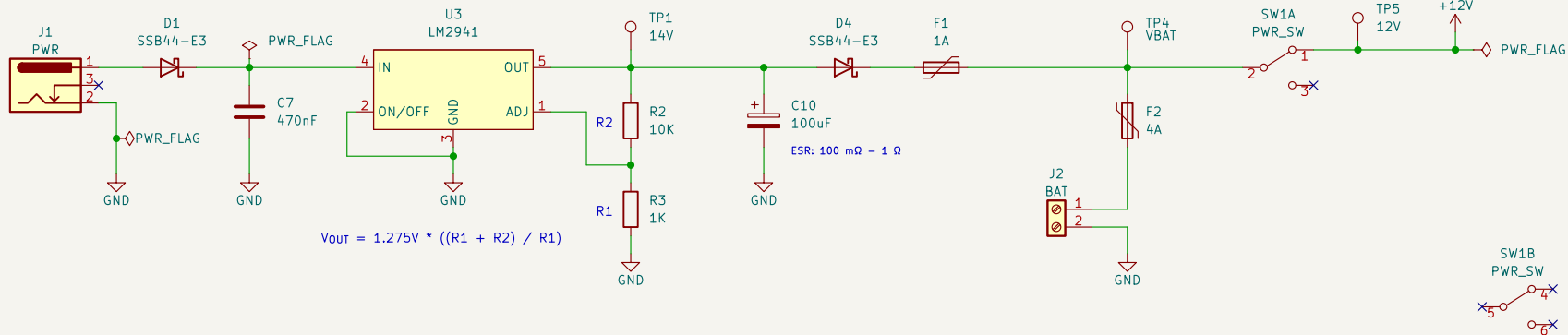
Size: A4 Date: 2022-06-21

KiCad E.D.A. kicad (6.0.5)

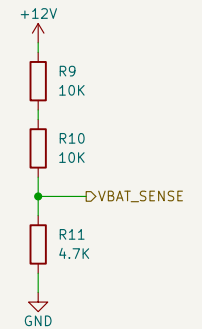
Rev: 2

Id: 1/4

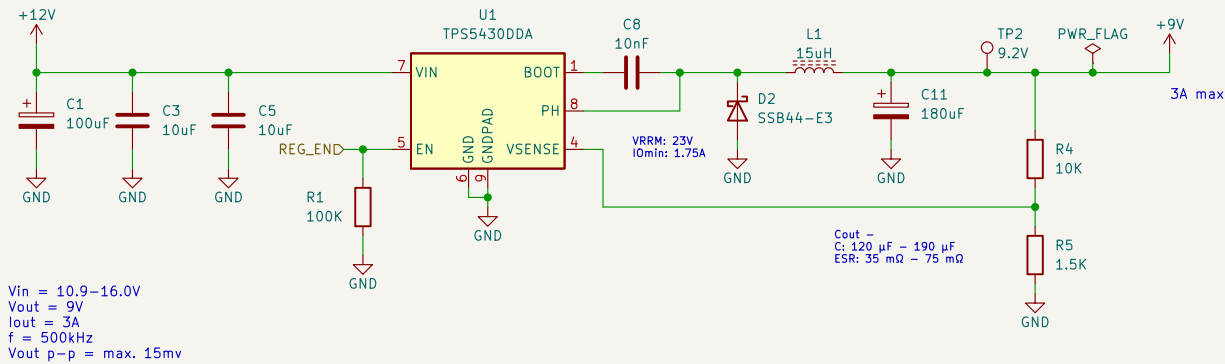
Power Input / Battery Charger



Battery Monitoring

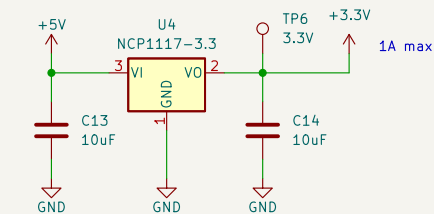


9V Reg

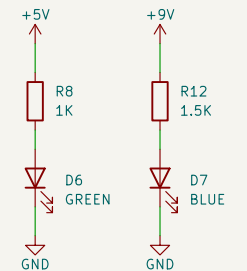


3.3V Reg

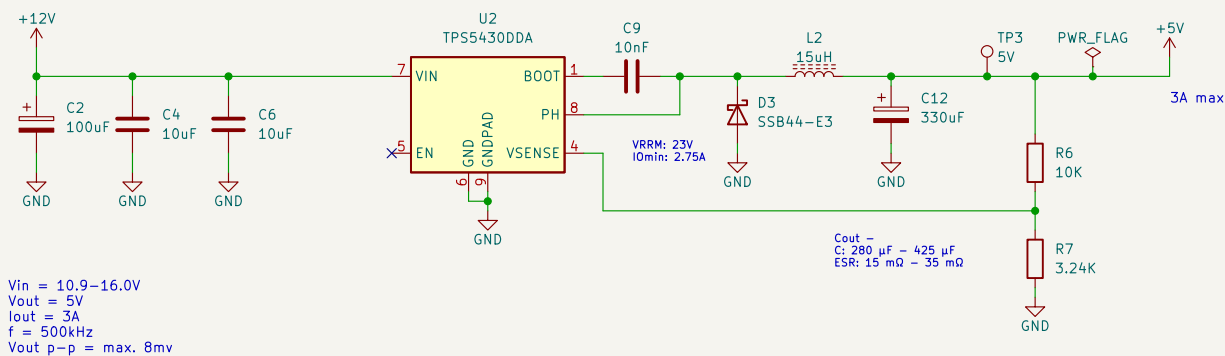
Alt Basic Part: AMS1117-3.3 ??



Status LED



5V Reg



Provides +9V, +5V, and +3.3V.
Designed for a 12V sealed lead acid battery (e.g. Yuasa NP1.2-12FR)

saawsm

Sheet: /Power Supply/
File: power.kicad_sch

Title: SW-324: Main Board - Power Supply

Size: A4 Date: 2022-06-21

KiCad E.D.A. kicad (6.0.5)

Rev: 2

Id: 2/4

