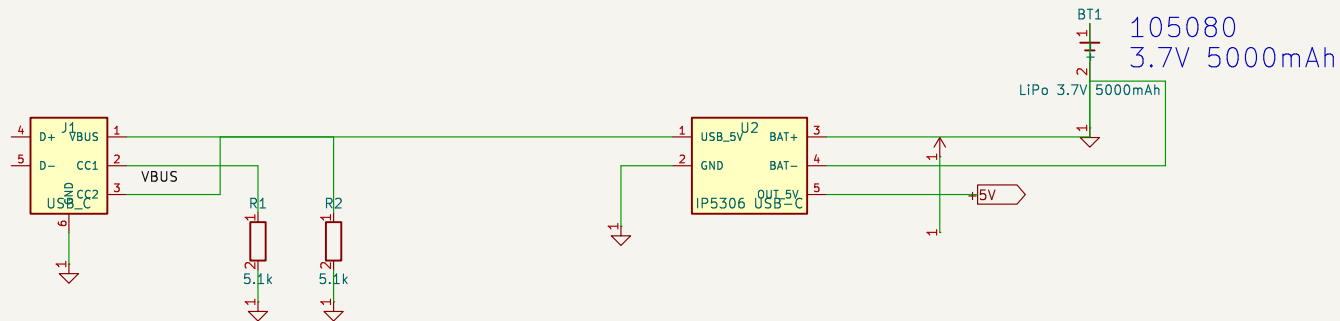


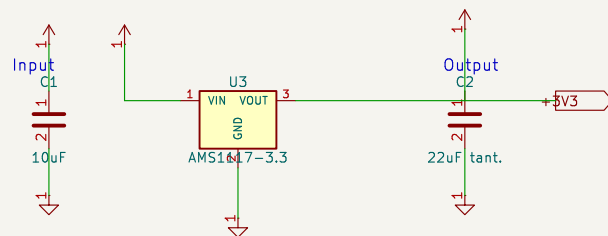
POWER SUPPLY

USB-C -> IP5306 (charge + boost) -> AMS1117-3.3 -> 3.3V rail



VOLTAGE REGULATOR

5V -> AMS1117-3.3 -> 3.3V (800mA max)



Design Notes:

- IP5306 provides charge-and-play (simultaneous charging + 5V boost output)
- AMS1117-3.3 provides stable 3.3V for ESP32-S3 and all peripherals (800mA max)

Generated by scripts/generate_schematics
ESP32 Emu Turbo - Handheld Retro Console

Sheet: /
File: 01-power-supply.kicad_sch

Title: Power Supply

Size: A4
KiCad E.D.A. 9.0.7

Date:

Rev:

Id: 1/1