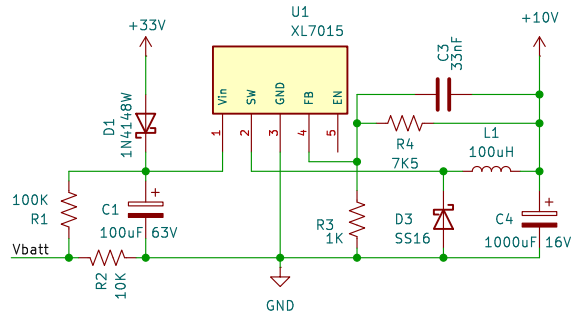
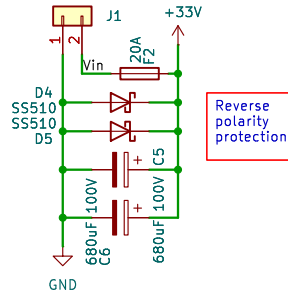


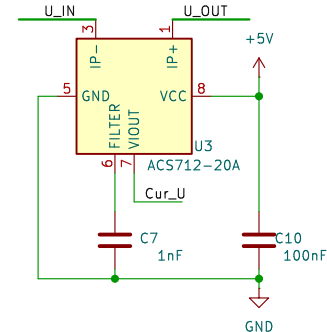
DC-DC Step down 33 -> 10V 150 mA



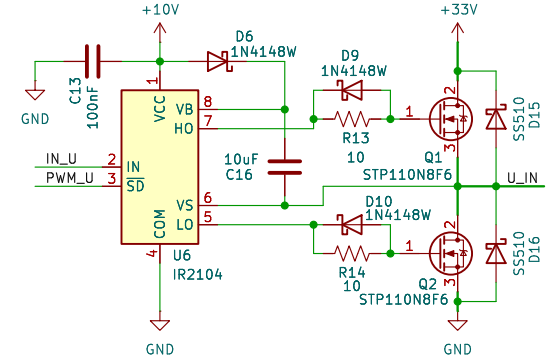
Power connector



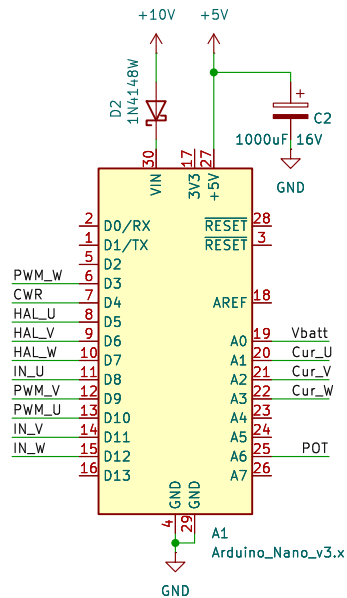
Current sensors



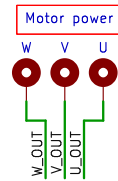
MOSSFET and drivers



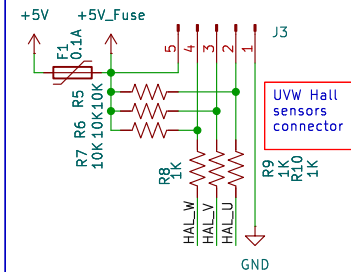
MCU



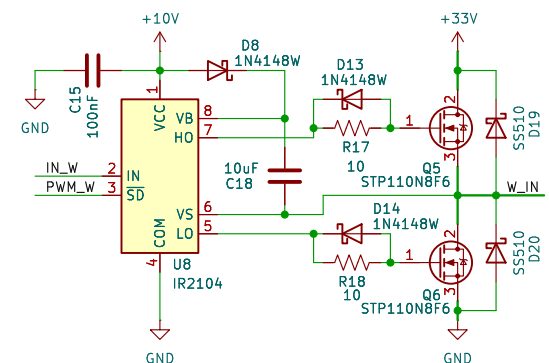
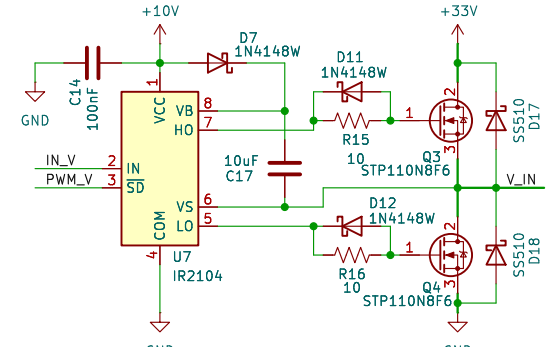
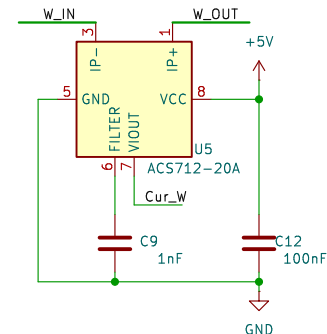
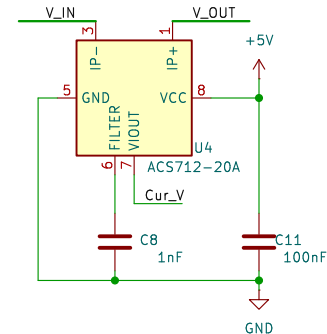
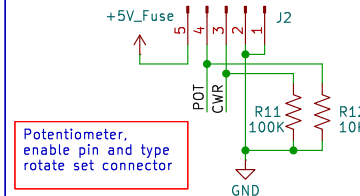
Motor connector



Hall sensors connector

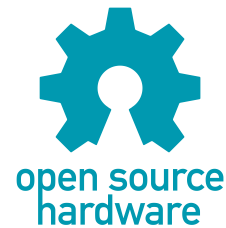


Torque control connector



3-Phase BLDC motor driver specs:

- Battery: 8S
- VCC: 24.0V to 33.6V
- I(max): 20A
- Current measurements per phase



By Techn0man1ac

Sheet: /
File: Inverter.kicad_sch

Title: Simple BLDC motor controller

Size: A4 Date: 2025-04-04
KiCad E.D.A. 9.0.0

Rev: V0.1
Id: 1/1