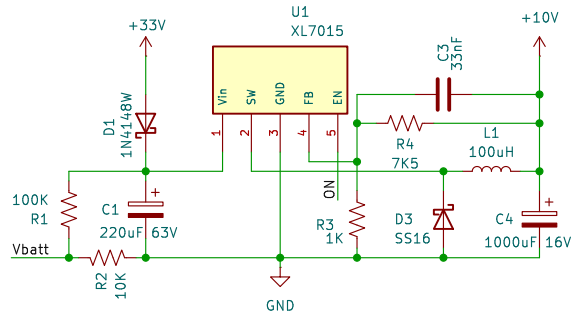
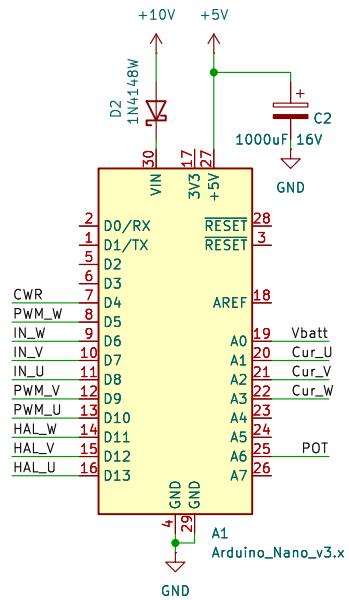


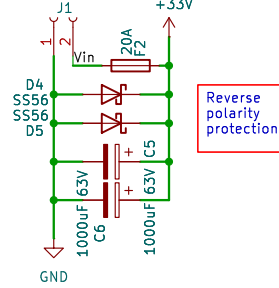
DC-DC Step down 33 -> 10V 150 mA



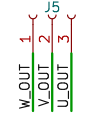
MCU



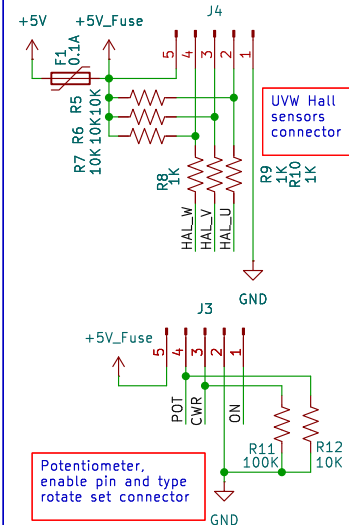
Connectors



Reverse polarity protection



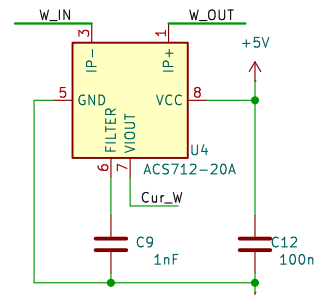
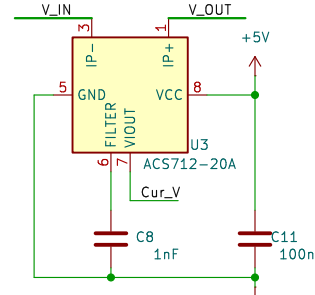
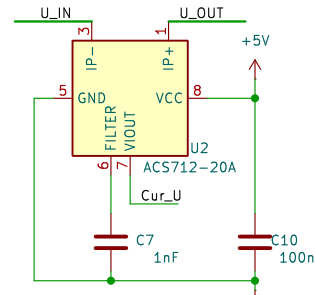
Motor power



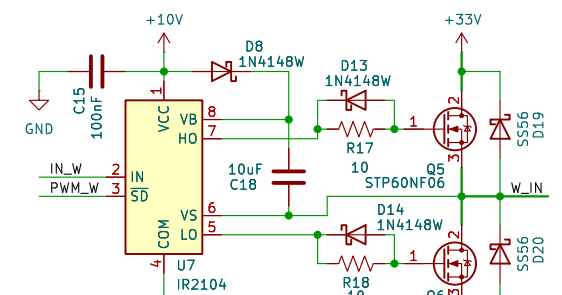
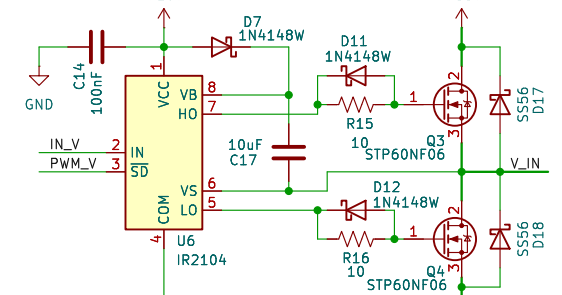
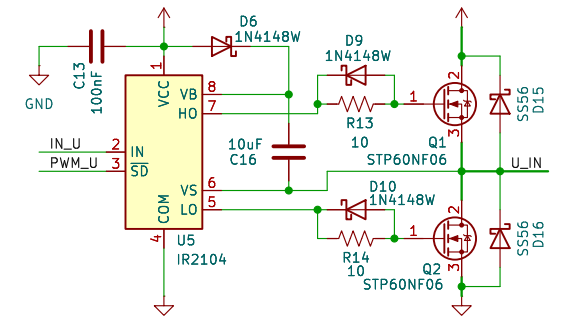
UVW Hall sensors connector

Potentiometer, enable pin and type rotate set connector

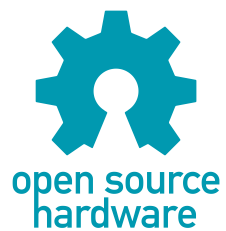
Current sensors



MOSSFET and drivers



- 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