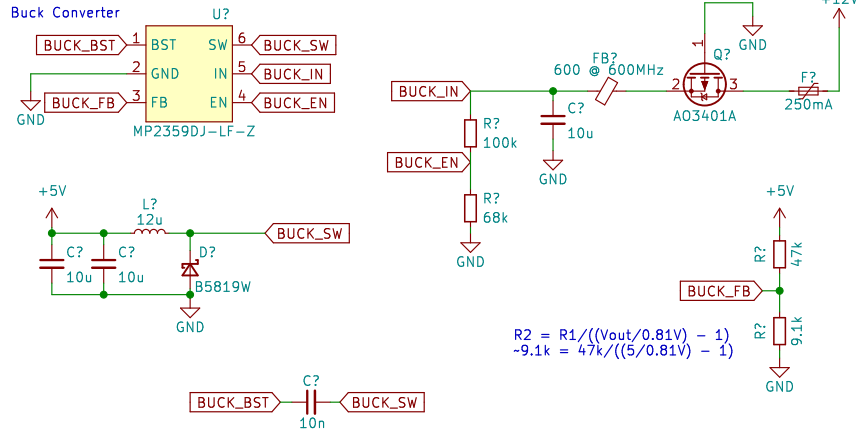
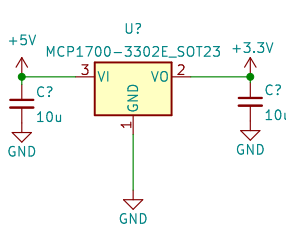


Power Circuitry

Buck Converter

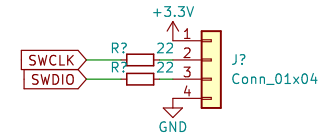


Voltage Regulator

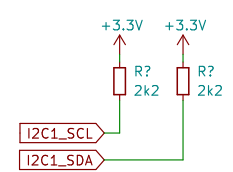


Communication & Connectors

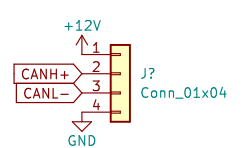
Serial Wire Debug



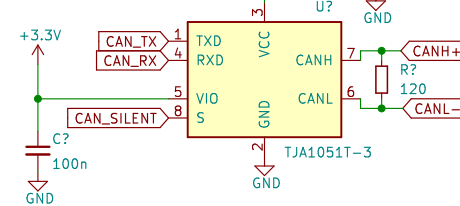
I2C Pull-up



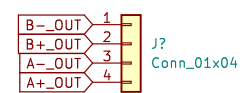
CAN & Power



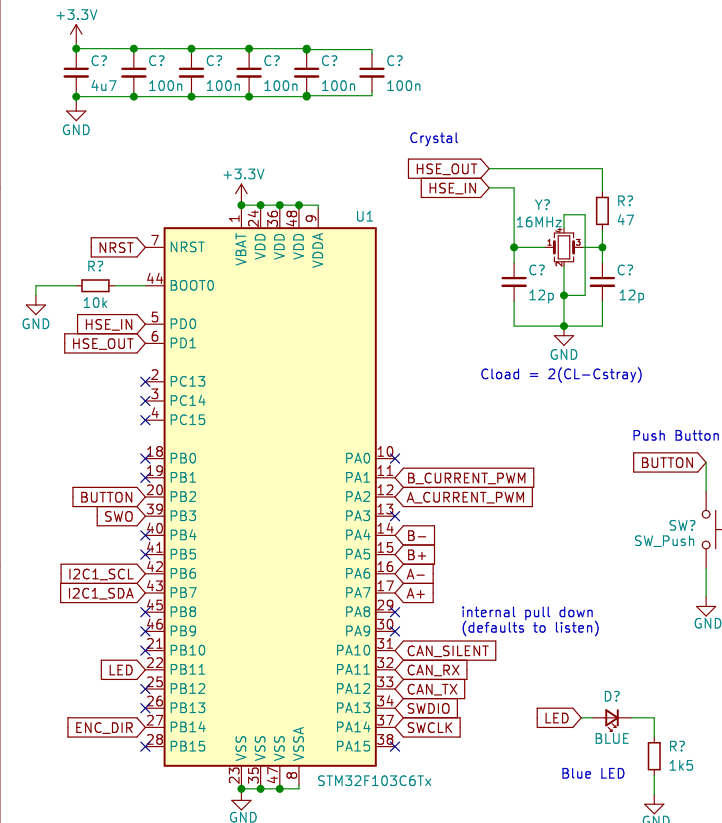
CAN Transceiver



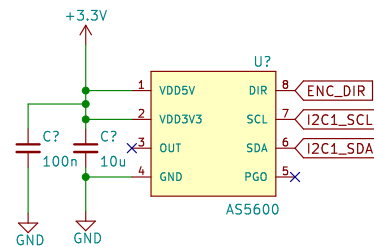
Stepper Connector



STM32 Microcontroller

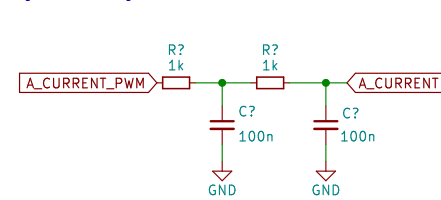


Magnetic Encoder

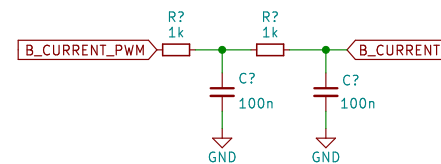


PWM RC Low-Pass Filters

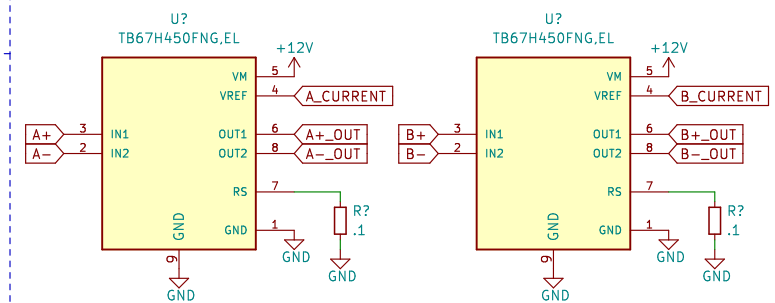
Digital to Analog



10Hz low-pass filters creates high attenuation at high frequency resulting in a near analog value



H-Bridges



Hunter Ellis

Sheet: /
File: Driver-Board.kicad_sch

Title: Closed Loop Stepper Motor Driver Board

Size: A4 Date: 2023-01-14

KiCad E.D.A. kicad (6.0.6)

Rev: v1.0

Id: 1/1