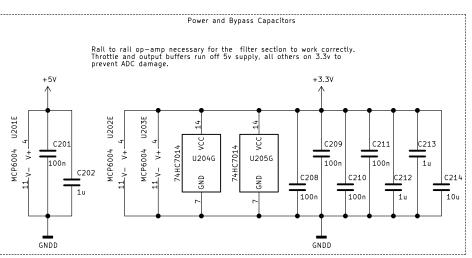
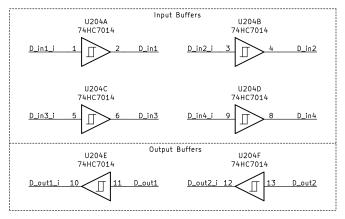
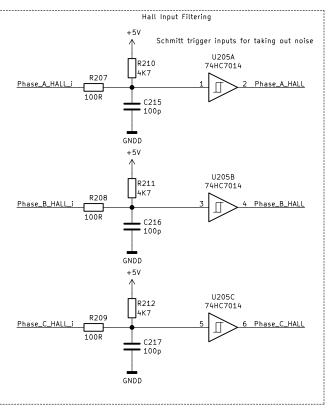
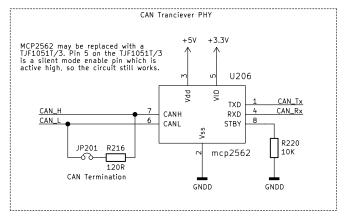


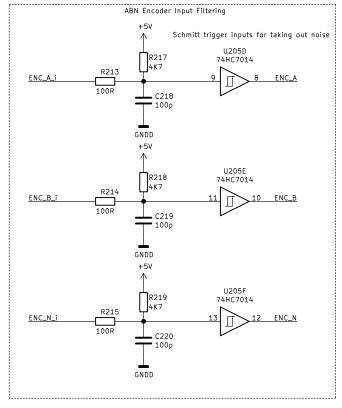
GNDD











USB_D+ OUSB_D+
USB_D- OUSB_D
CAN_RX OCAN_RX
CAN_TX OCAN_TX

Throttle DThrottle
Motor_Temp DTransistorTemp

A_in1 DA_In1
D_in2 DD_In1
D_in2 DD_In1
D_in3 DD_In4

A_out1 DA_Out1
A_out2 DA_Out2
D_out1 DD_Out2
D_out2 DD_Out2

Phase_B_HALL
Phase_C_HALL
Phase_C_HALL
ENC_B_DENC_B
ENC_N

ENC_B_DENC_B
ENC_N

CAN_RX
C

This sheet contains input/output proteciton and conditioning circuitry. Note that the stm32 USB lines pass through this sheet without modification.

Samuel Ellicott
Senior Design 2018–2019
Supermileage Motor Controller
Cedarville University
Sheet: /IO Protection/
File: IO.sch
Title: Input Protection and Filtering
Size: USLedger | Date: 2018–11–28 | Rev: 1.0
KiCad E.D.A. kicad (5.0.0-rc2-dev-670-ga3770bf6e) | Id: 2/4

