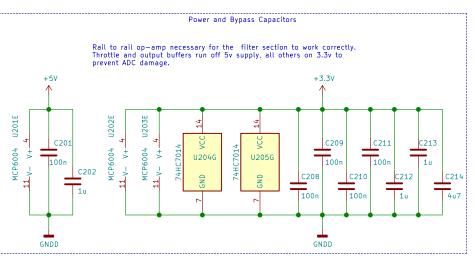


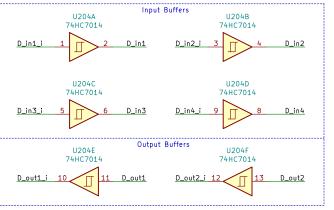
D_Out2_i D_out2_i

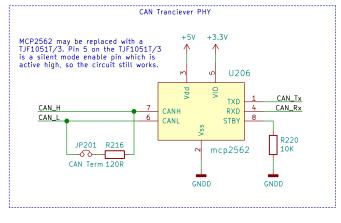
ENC_A_ID ENC_A_I ENC_B_ID ENC_B_I ENC_N_ID ENC_N_I

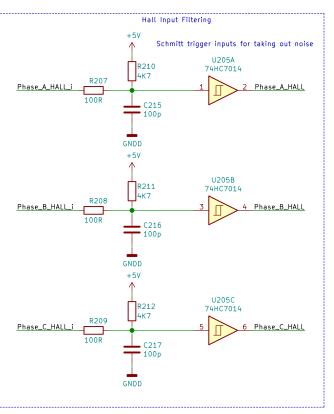
GNDD

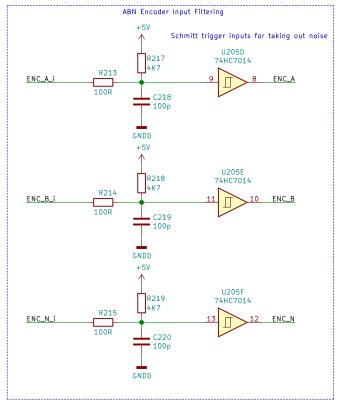
D_GND**□**











CAN_Rx CAN_Rx CAN_Tx ◆CAN_Tx Throttle DThrottle Motor_Temp DMotorTemp Transistor_Temp DTransistorTemp A_in1 DA_In1 A_in2 DA_In2 D_in1 DD_In1
D_in2 DD_In2
D_in3 DD_In3 D_in4 DD_In4 Phase B_HALL DPhase A_HAL Phase_C_HALL DPhase_C_HAL ENC_A
ENC_B
ENC_N
DENC_N

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: 10.sch Title: Input Protection and Filtering Size: USLedger Date: 2018-11-28 Rev: 1.0 KiCad E.D.A. kicad 5.1.4 ld: 2/4

