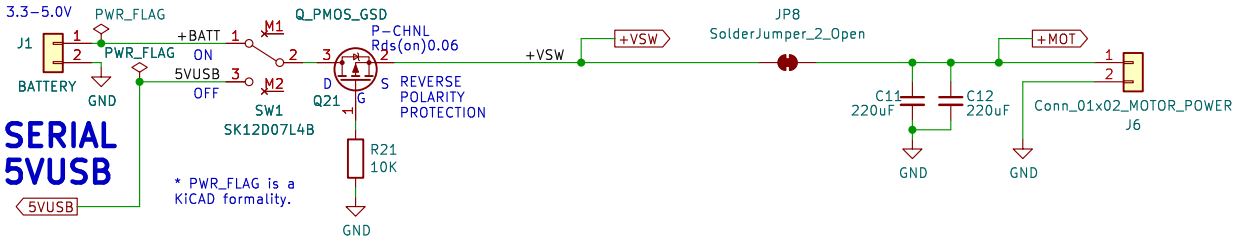
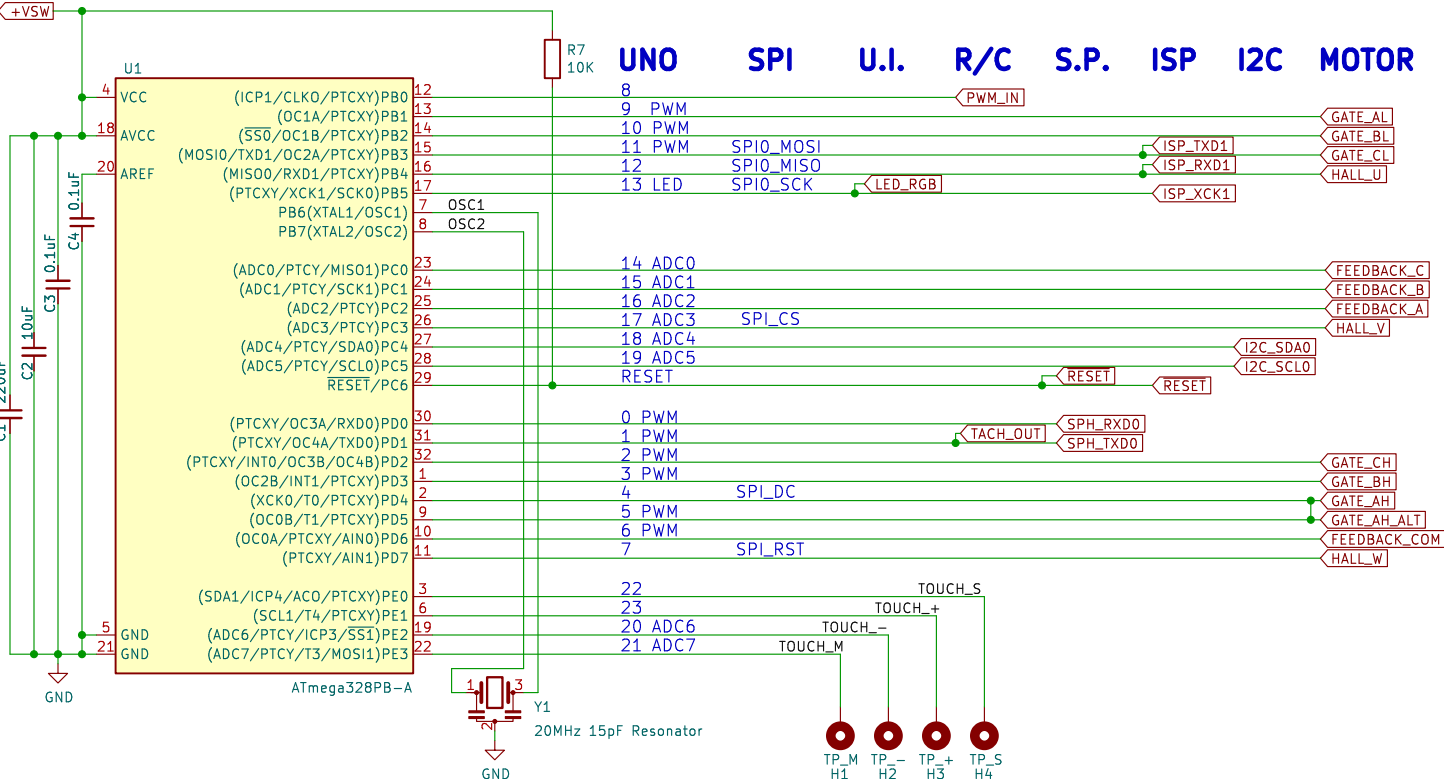


POWER

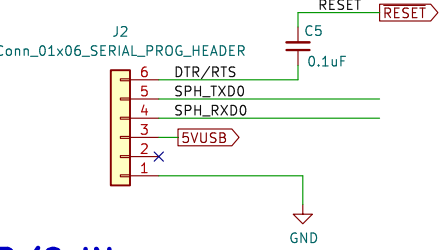
BATTERY SWITCH RPP +V SWITCHED ALT. 5V FOR MOTOR



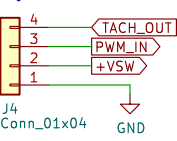
MICROCONTROLLER



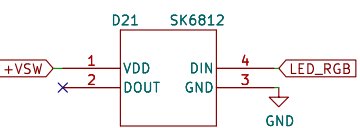
SERIAL PROGRAM



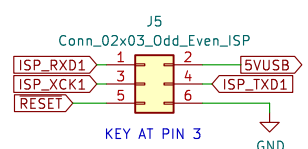
R/C IN



STATUS LED



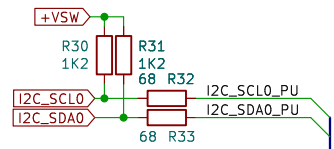
ISP PROGRAM



TOUCH BUTTONS



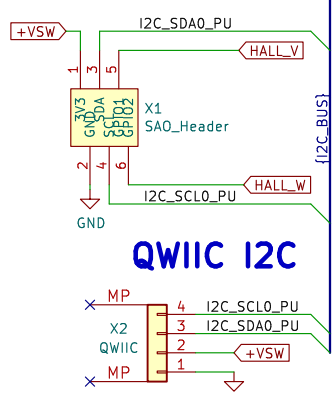
I2C BUS INTERFACE



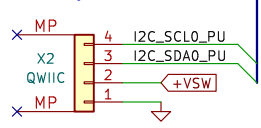
SAO: SIMPLE ADD-ONS

<https://hackaday.io/project/175182-simple-add-ons-sao>
using Sullins SFH11-NBPC-D03-ST-BK female header
<https://www.digikey.com/product-detail/en/sullins-connector-solutions/SFH11-NBPC-D03-ST-BK/S9717-ND/4558818>

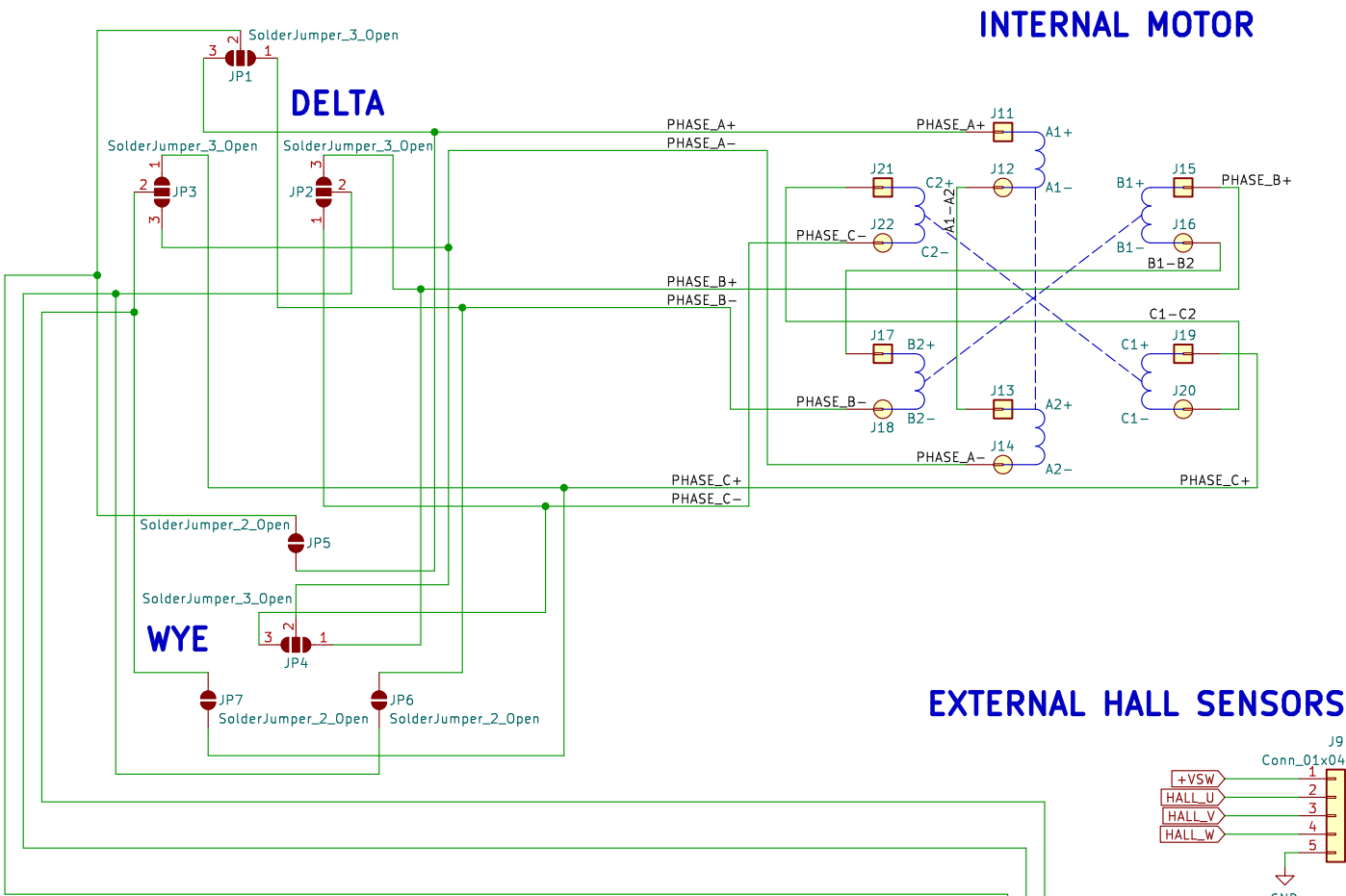
OPTIONAL I2C STUFF:
SAO OLED or Generic 0.96" (128x64) or 1.5" (128x128)
I2C 4-pins, often ADDRESS: 0x3C (60 decimal)
Alternate is 0x3D, not 0x7A or 0x78 (wrong 8-bit!)
OLED 0x3C (60)
ANDXOR IO Exp. MCP23017 0x20 (32)
ANDXOR EEPROM AT24C32r 0x50 (80)
NFC CLICK PN7120 0x50-53
All 7-bit addresses should be greater than 0x07 and less than 0x78 (120).



QWII I2C

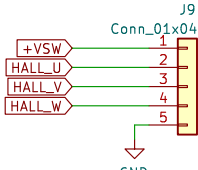


WINDING SELECT

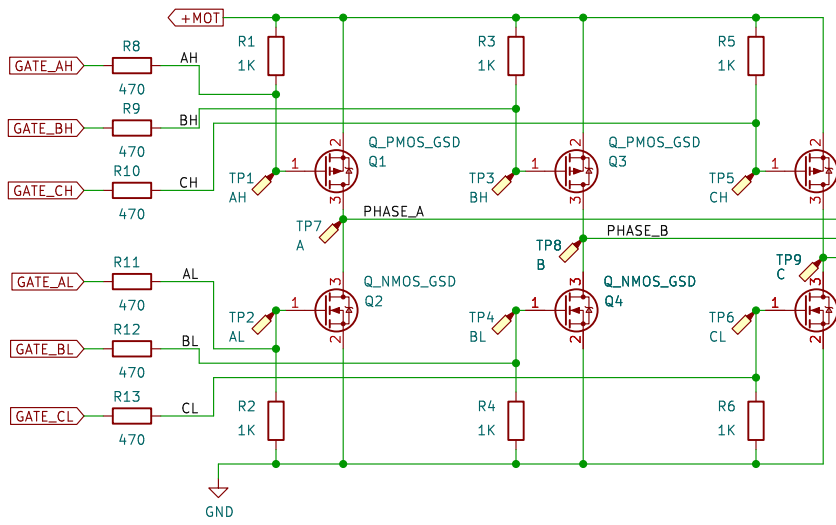


INTERNAL MOTOR

EXTERNAL HALL SENSORS



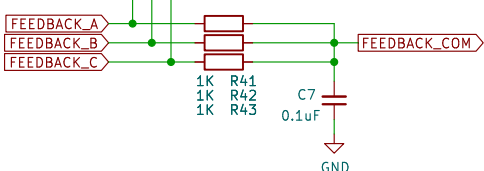
MOTOR DRIVER



EXTERNAL MOTOR



FEEDBACK



SILKSCREEN FRONT

SILKSCREEN BACK

All non-polarized capacitors are X7R or X5R ceramic unless otherwise noted.

Concept and design by Andy Geppert © www.MachineIdeas.com

Sheet: /

File: BLDC_BIZ_CARD.kicad_sch

Title: BLDC_BIZ_CARD

Size: B Date: 2024-06-20

Rev: 0.1

KiCad E.D.A. 8.0.2-1

Id: 1/1