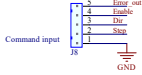
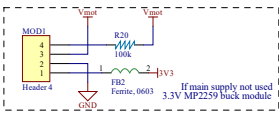
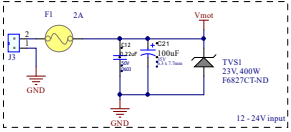
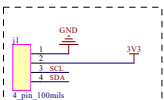


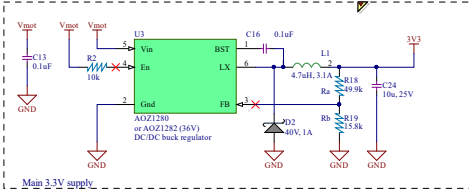
JST XH rated:
 -3A at 250V
 -85C max
 -20mOhm max



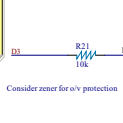
should be able to withstand 24V on these inputs
 could put some thermistor or current reading or something



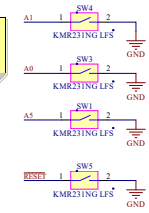
OR



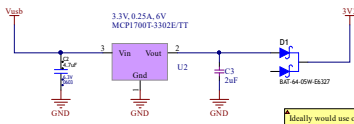
Need to change logic in the code for PWR_ERROR, active high output.



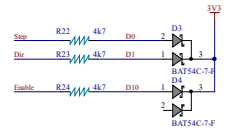
Testing this part:
 SMDSSMD 4pin
 3XAX2-5MM4 White
 Tactile Test Push Button
 Micro Switch Momentary (allexpress)



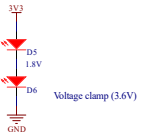
Supplies power when programming via USB



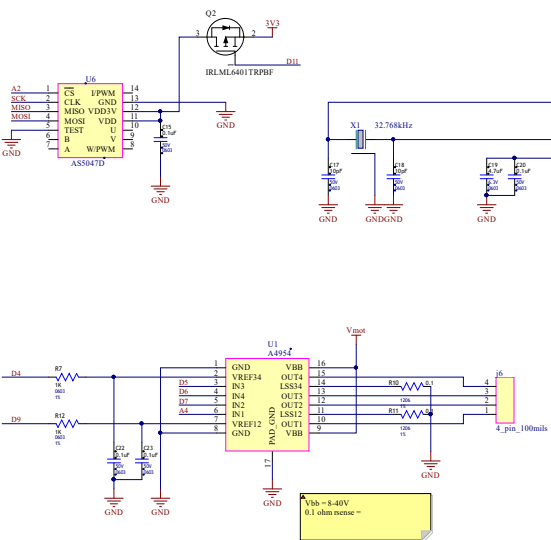
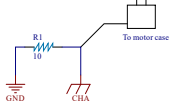
Input must be actively driven but allows 3.3 to 24V
 Use pull down in GPIO setup (~40k)



Ideally would use optos to isolate stepper drivers inputs, but cost BOM is inflated.



24Vin - 3.3V = 21V
 21V / 10k = 2mA = 44mW
 21V / 4k7 = 4mA = 100mW
 4mA * 3 = 12mA
 LED Imax = 20-30mA



Vb6 ~ 8-40V
 0.1 ohm sense =

This work is licensed under a
 Creative Commons Attribution 4.0 International License.

