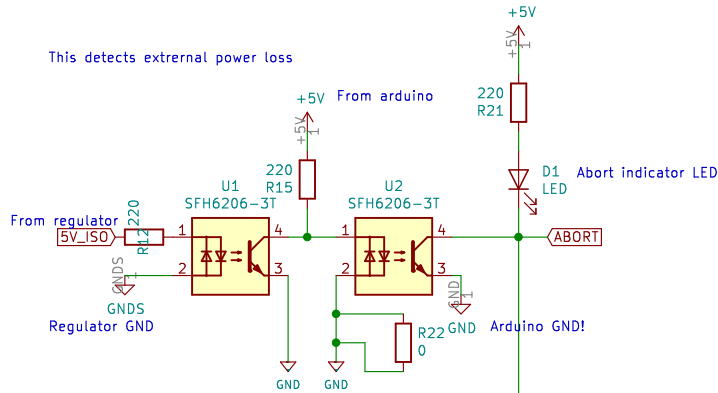
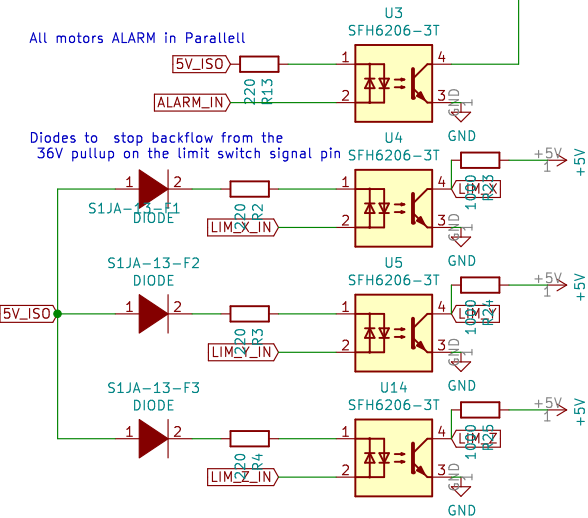


Incoming signals

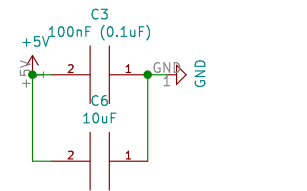
This detects external power loss



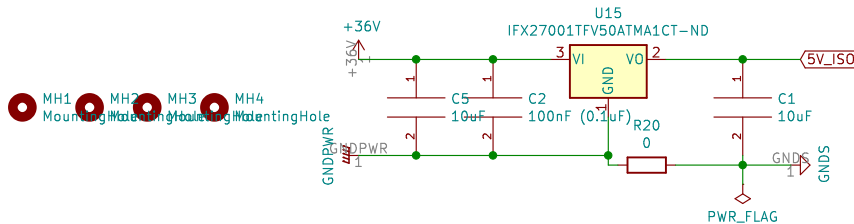
All motors ALARM in Parallel



Potential ground loop with spindle case earth.
Avoid grounding case of spindle.

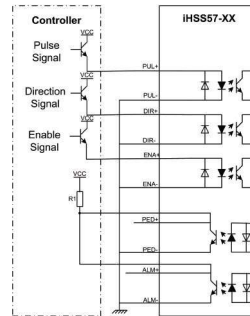


Voltage regulator fixed 5V



this 0 R is to control where the grounds join

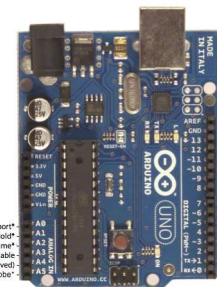
5.2 Connections to Common Cathode



Remark:
VCC is compatible with 5V or 24V;
R(3~5K) must be connected to control signal terminal

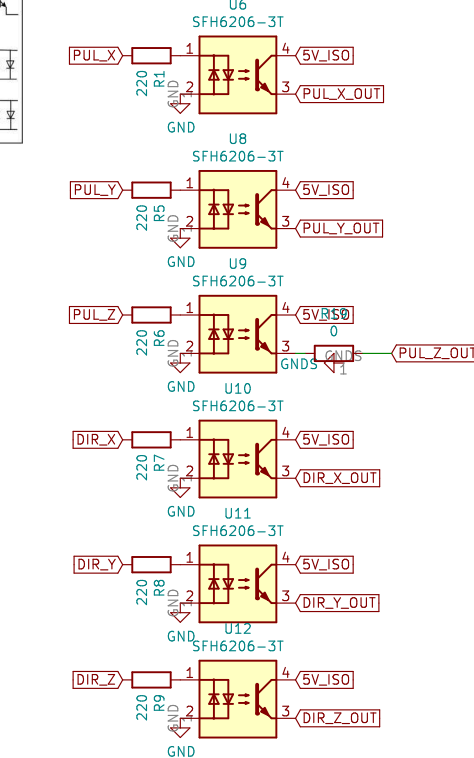
GRBL PINOUT REFERENCE

All IN PINs
has internal 20k
pull up resistor to +5V

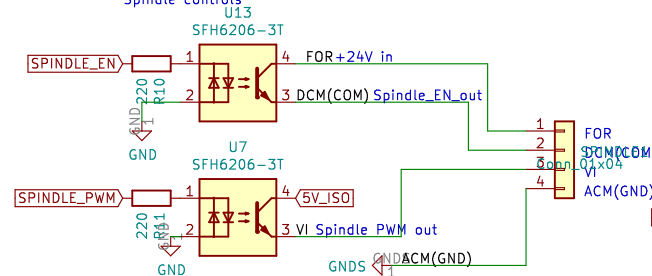


* - Indicates input pins. Held high with internal pull-up resistors

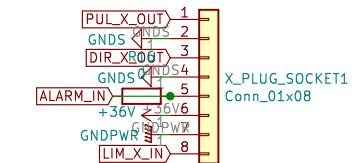
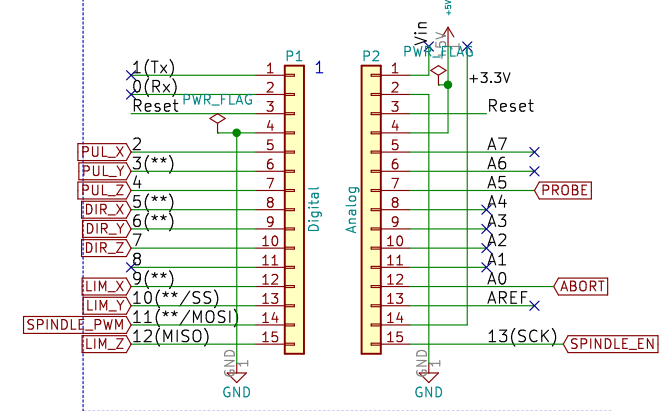
Outgoing signals



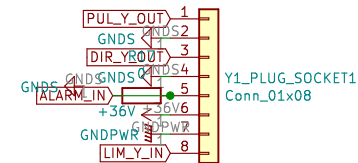
Spindle controls



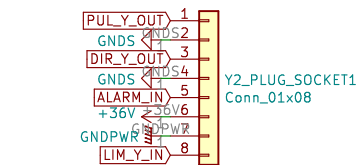
Shield for Arduino Nano



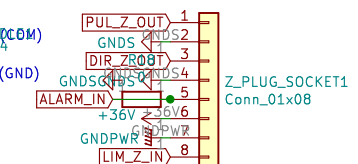
X_PLUG_SOCKET1
Conn_01x08



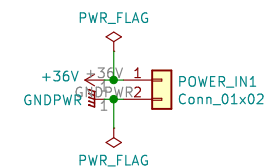
Y1_PLUG_SOCKET1
Conn_01x08



Y2_PLUG_SOCKET1
Conn_01x08



Z_PLUG_SOCKET1
Conn 01x08



POWER_IN1
Conn 01x02