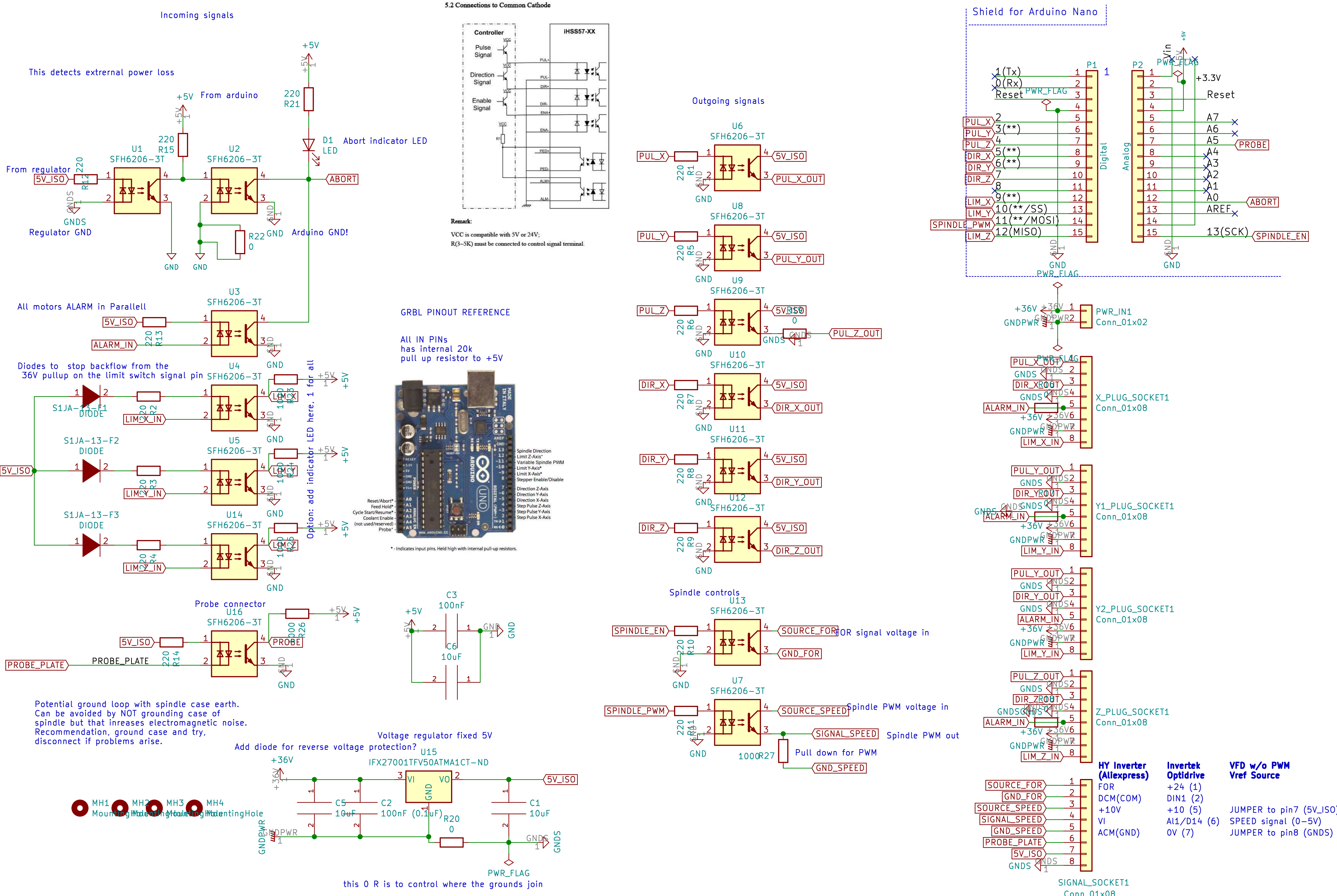

5.2 Connections to Common Cathode

Remark:

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

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

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

Potential ground loop with spindle case earth.
Can be avoided by NOT grounding case of
spindle but that inreases electromagnetic noise.
Recommendation, ground case and try,
disconnect if problems arise.

Add diode for reverse voltage protection?

this 0 R is to control where the grounds join

	HY Inverter (Aliexpress)	**Invertek Optidrive**	**VFD w/o PWM Vref Source**
1 SOURCE_FOR	FOR	+24 (1)	
2 GND_FOR	DCM(COM)	DIN1 (2)	
3 SOURCE_SPEED	+10V	+10 (5)	JUMPER to pin7 (5V_ISO)
4 SIGNAL_SPEED	VI	AI1/D14 (6)	SPEED signal (0–5V)
5 GND_SPEED	ACM(GND)	0V (7)	JUMPER to pin8 (GNDS)
6 PROBE_PLATE			
7 5V_ISO			
8 GNDS			