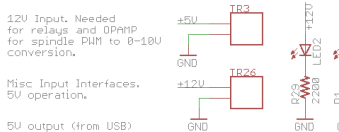
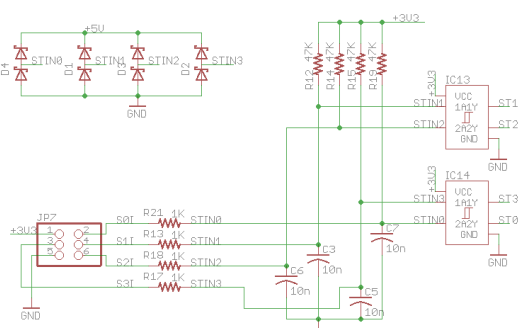


Limit and Probe Interfaces.
5V operation on LED side.
3.3V operation on photo-
transistor side. LED if set to
slightly higher than 10 mA.

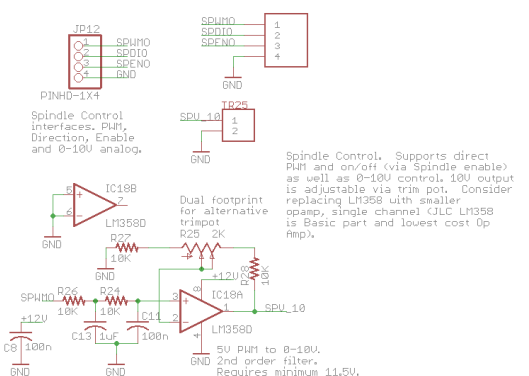


5V output (from USB)
Max 150 mA.

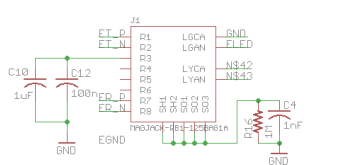
Board can be powered from external
5V or via USB power. To connect
via USB and use external +5V, cut
JP105. If connected via ethernet,
use external +5V, either from the
microUSB connector or the +5V
screw terminal.



Digital input group. 4 inputs are
5V tolerant, diode protected with
schmitt triggers, RC Low Pass
noise filters.



Spindle Control. Supports direct
PWM and on/off (via Spindle enable)
as well as 0-10V control. 10V output
is adjustable via trim pot. Consider
replacing LM358 with smaller
opamp, single channel OLC LM358
is Basic part and lowest cost Op
Amp).



Ethernet Interface. Uses
MagJack. 1nF cap should
be 2K0. Add support for
2nd LED?

GRBL/HAL Teensy 4.1 Motion Controller T4.1U5XBB v2.07	
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