

# C1 - PARALLEL PORT INTERFACE CARD REV5

## INPUT PINS:

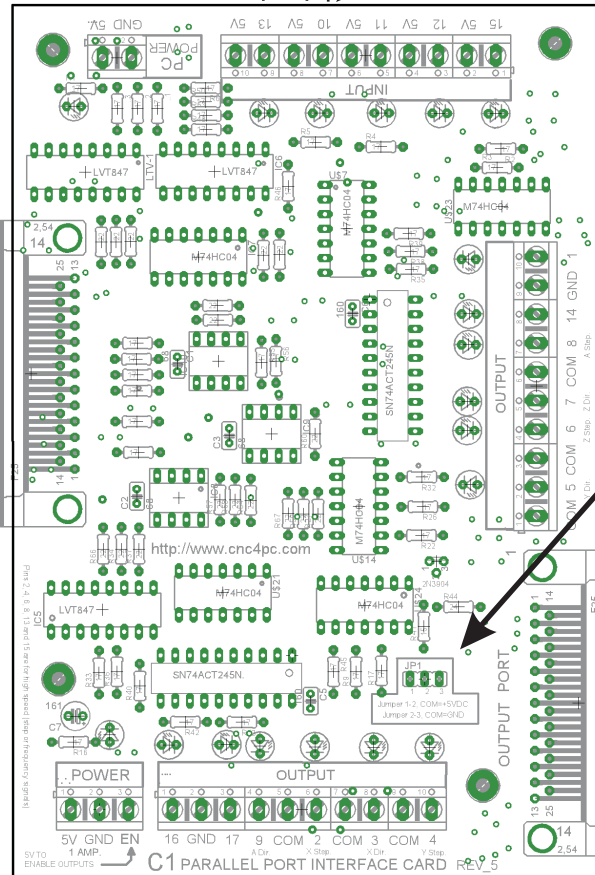
This board is provided with pull-down resistors on all inputs and output pins. You can use NO (Normally Open) or NC (Normally Closed) switches for connecting home, limit, or e-stop switches. +5vdc for a high or ground for a low can be provided for valid input signals. Read the notes at the bottom of the page.

**POWER FROM YOUR PC:**  
Provide +5vdc from your computer. You can use the provided USB Power Cable or wire it directly to your Pc's power supply.



## NOTES:

1. All inputs and outputs are provided with pull-down resistors.
  2. If you need to connect a device that outputs more than 5vdc, you can use a resistor to limit the current. Use the following resistor values:  
 10 vdc - 1 MOhm  
 12 vdc - 1.5 MOhm  
 24 vdc - 3.9 MOhm.
- To use these resistor values your card must be powered with 5vdc. If you are powering your board with a different voltage unexpected results can happen., including damage to the board.



## COM TERMINALS:

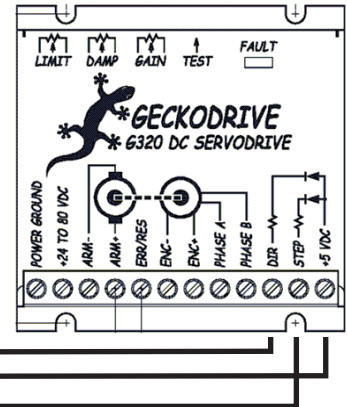
Place the jumper in the appropriate position to select +5VDC or GND for the COM terminals.

## OUTPUT PORT:

An additional output port is provided for connecting directly to any existing setup, or a driver that already comes with a DB25 connector. Such as Xylotex or HobbyCNC. By doing this you would optoisolate your system, you will add all the features of the board and still have access to all the pins.

## The EN Pin:

In all cases the EN pin must receive +5vdc in order to enable the inputs. You can hardwire the EN pin with +5vdc if you do not need to install an external enable switch. If your E-Stop works as NC (Normally Closed) with a +5vdc signal, you can also send this signal to the EN. That way your system would have to wait for the control software to stop.



This card must be powered while your system is under power. Keep in mind noise can be transmitted into output signals that could trigger unwanted actions in your system.