SAMPLE WIRING USING THE EXTERNAL ENABLE PIN WITH A SWITCH AND E-STOP PUSH-BUTTON

5vdc power supply

External Enable Switch.

E-Stop. Using a NC Connection

PARALLEL PORT INTERFACE CARD   C1G

http://www.cnc4pc.com
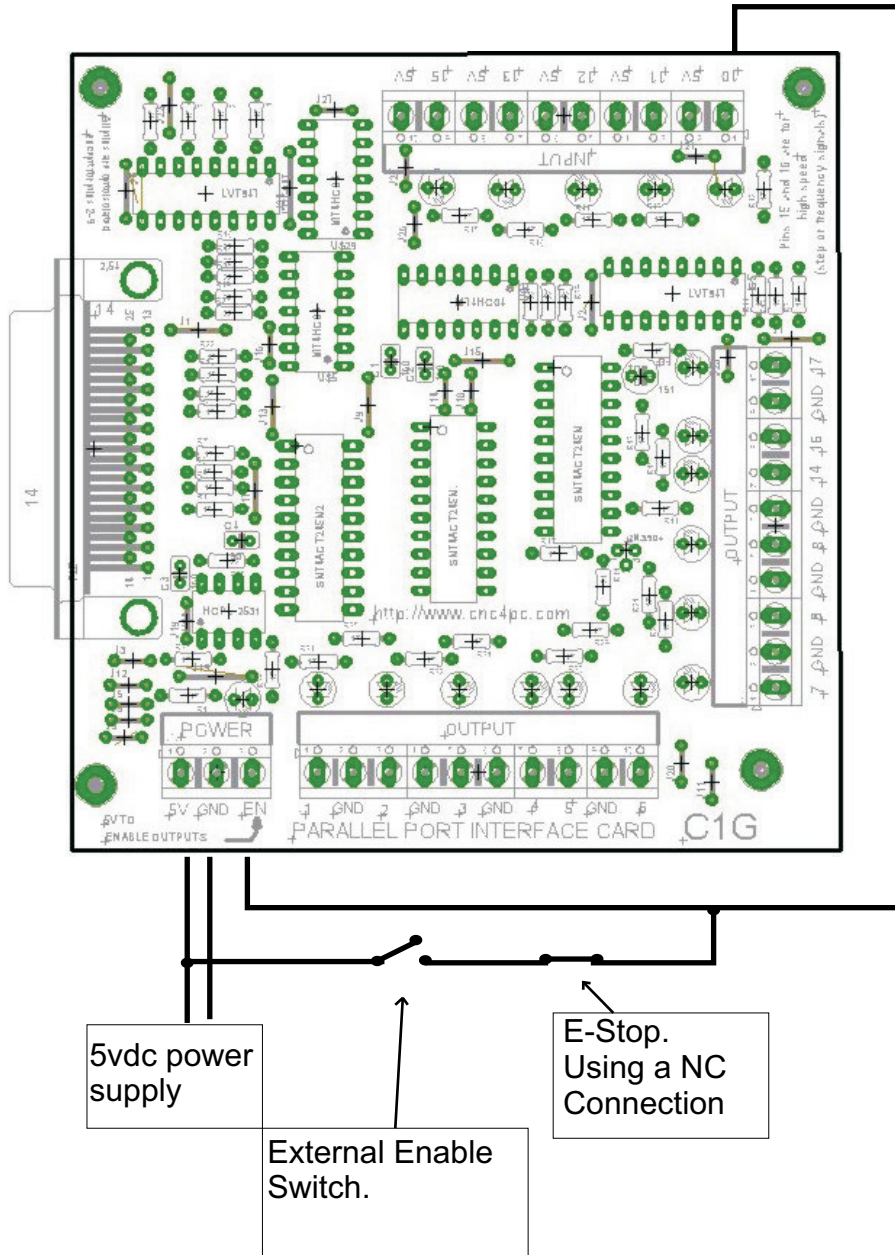
You can use this circuit if you are not using a safety charge pump. You can Allways have control of your outputs through your external switch. The e-stop button will instruct your control software of the e-stop condition and disable the outputs at the same time. When you release the e-stop button your outputs should be enabled again, but your control software should have halted the system and should be in control of the outputs. Your control software requires that you have enabled your system using the external switch in order to allow you to reset the e-stop condition. This wiring is valid for the current version of the C10, C1G, C11, and C11G. This wiring does not apply to the release 4.2 of the C1 because it is provided with pull-up resistors instead of pull-down resistors. So the pin will send a high signal when left in the air, and you will need a ground signal to have it change state.

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