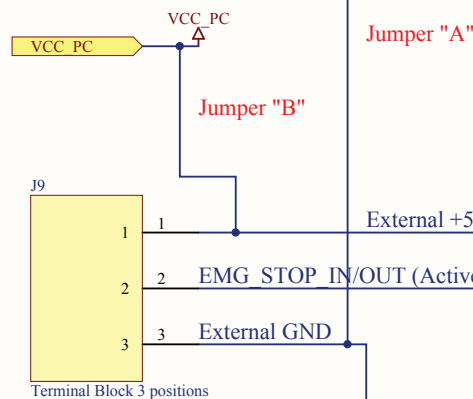
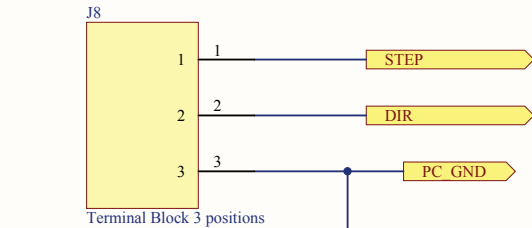
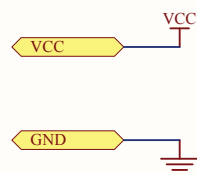




Emergency Stop IN is an active Low logic input coming from external logic. Normal Operation is at Logic High. NEVER CONNECT IT directly to +5 Volts, it is INTERNALLY PULLED UP.
EMG_STOP_OUT is a signal coming out from the board due to an error (Fault) in that particular drive. It is active Low and will trigger an Emergency Stop to all the boards in the wired OR chain.



Jumpers "A" and "B" connect the External Ground and external +5V input to PC_GND and VCC_PC respectively.
If your circuit wiring requires the use of an external power supply (auxiliary) for the E-Stop circuit. You must cut the PCB traces marked as "A" (top side, between the USB connector and the terminal block), and "B" (solder side) between the terminal blocks (two different positions, cut both of them)

If there is a possibility of inverting the external power supply wires (External +5V and External-GND), then add a 1N4148 diode across the U12 internal LED, Cathode connected to R43 for protection.

Jumper "A"

Jumper "B"

External +5V

EMG_STOP_IN/OUT (Active Low)

External GND

C42
0.1 uF

EMG_STOP_OUT

R43
470

U12
TLP127

VCC
R3
4.7K

EMG_STOP_IN

R46
390

U13
TLP127

VCC
R44
470

EMG_STOP_OUT

R45
4.7K

Title Step-Direction and Emergency Stop interface		
Size Letter	Number	Revision 1.0d
Date:	11/20/2008	Sheet of
File:	C:\Program Files\Step-Dir and EMG-STOP\DriverDoc	