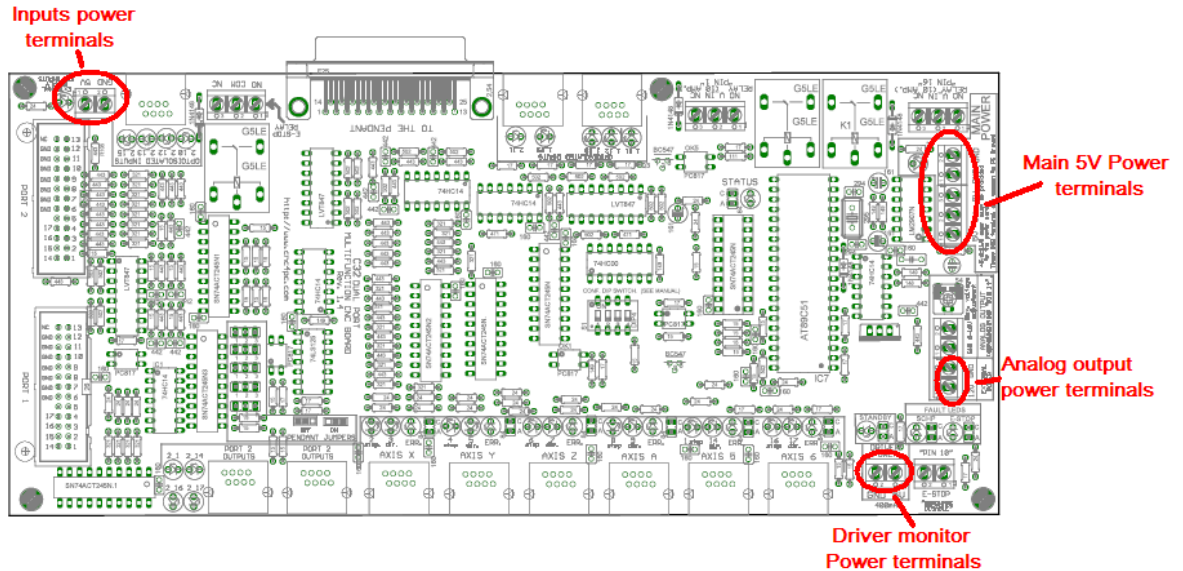


Powering the C32 Revision 1.4 and 1.5

Step by step



1. **Connect the Main Power Supply:** The board requires a main power supply. This should be a +5vdc@2amp power supply. This goes on the terminals located in the upper right hand position.
2. **Power the drivers monitor circuit.** These power terminals are located in the bottom of the board. They are for powering the circuit that interacts with the drivers. If optoisolation is required for the driver ENABLE or ERR/RES pins, then an external power supply is required. Note that while G320/340 has optoisolated step and direction signals, the ERR/RES is not, so an external power supply is required to preserve optoisolation. See the table below before connect these terminals.

DRIVER	EXTERNAL POWER	COMMENTS
G320/G340	Required	Connect the external power ground to the driver POWER GROUND terminal
G203	Not Required	The main 5V power supply can be used to power the driver monitor circuit
G210/201	Not Required	The main 5V power supply can be used to power the driver monitor circuit
Viper /Dugong	Not Required	The main 5V power supply can be used to power the driver monitor circuit

3. **Connect the Optoisolated Inputs:** Use an external power supply only if you need to preserve optoisolation. If you do not need optoisolation, use the main

power supply to provide power for this circuit. If 12V or 24V signals are going to be used, don't forget to use external resistor (see manual).

- 4. Optoisolated Analog Output:** An external 12V power supply is required to power this circuit. This power ground should be isolated from any other power ground. You can also power this circuit with the reference voltage from the VFD (+10vdc) if it can source at least 20mA.