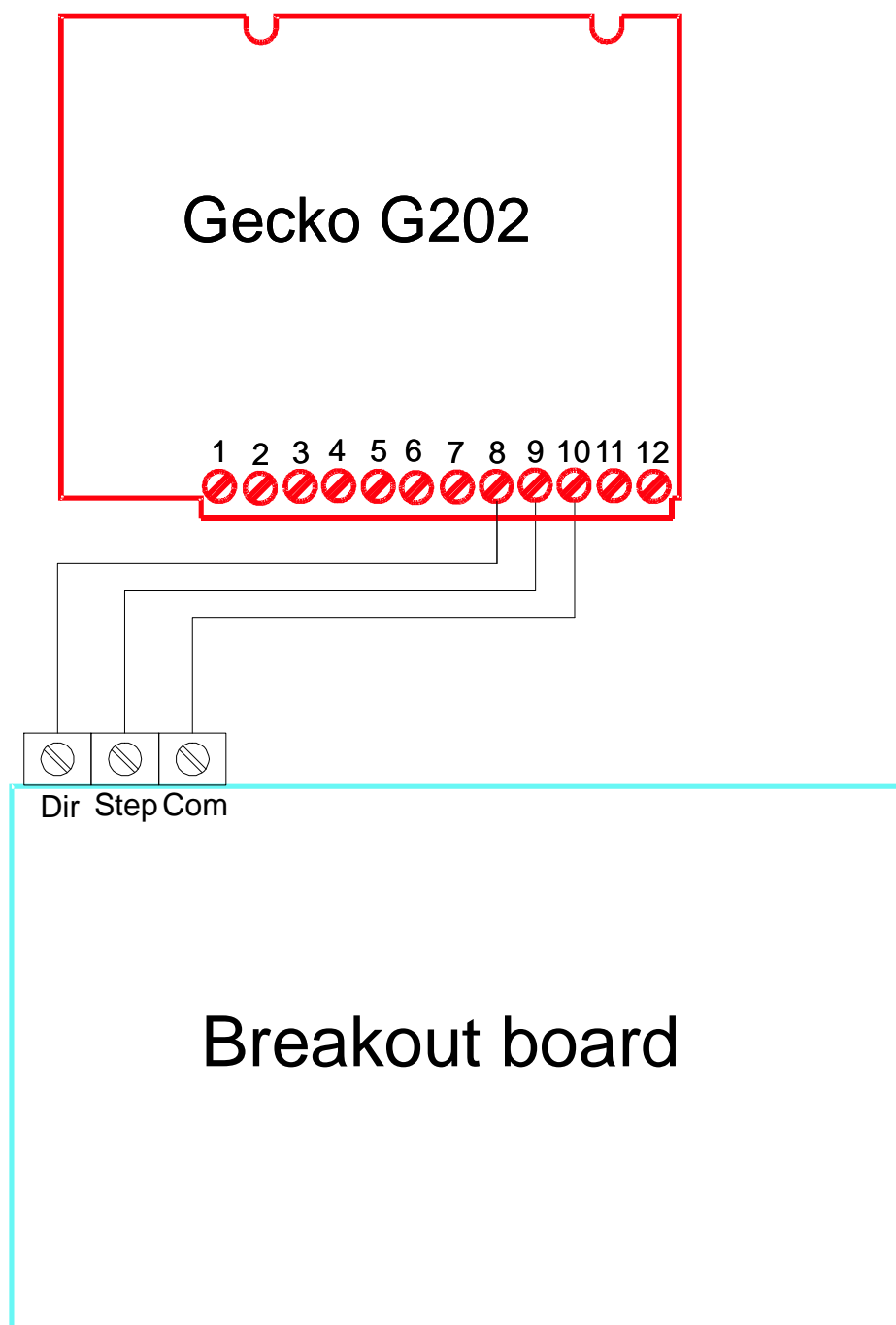


Breakout board to Gecko wiring

Includes wiring the DC power to the Gecko drives

Connect the Dir, Step and Com lines for each axis to a separate Gecko drive.



Power connection to the Gecko drives

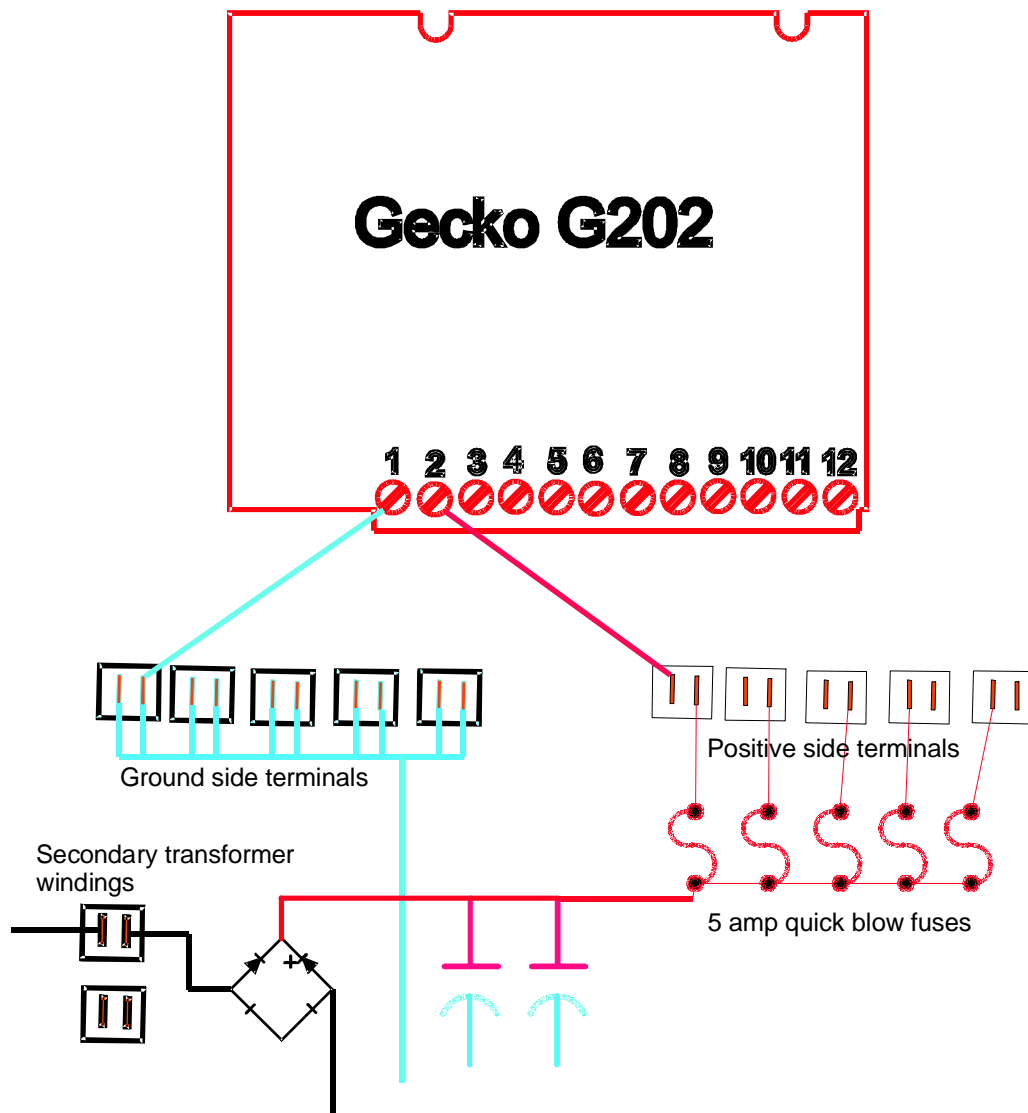
NOTE: Please pay attention to the power wiring to the Gecko drives.

Pin one on the Gecko is the negative side of the power supply. Pin 2 is the positive side of the power supply.

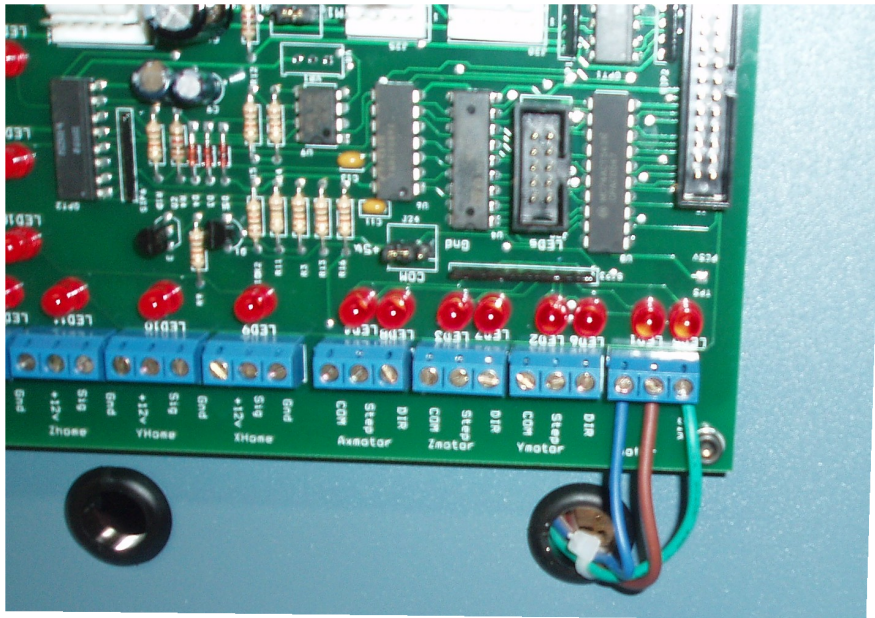
If you connect them in reverse, you will **kill** the Gecko drive.

Pin one (1) of the Gecko drive is the ground or negative side of the power supply, Pin two (2) is the positive side.

Each Gecko drive should have a separate fuse,



Wiring the Step & direction



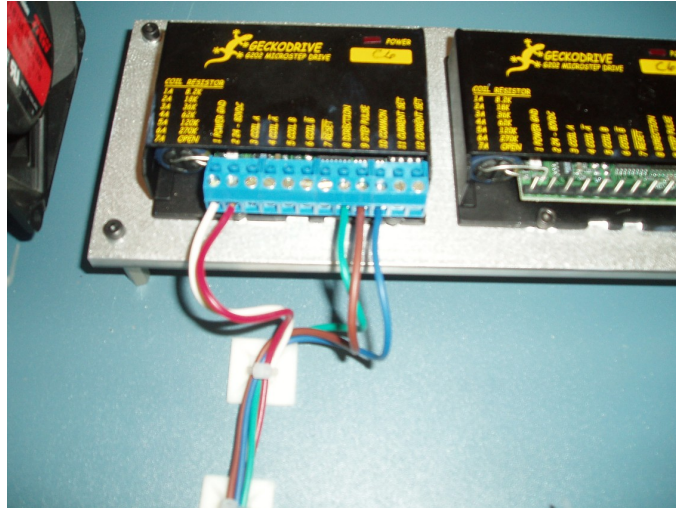
Wiring the step and direction is also includes the connection of the power for the Gecko drives.

For this side, run three wires through the grommet hole to the other side.

I used green (dir), brown (step) and blue Common 5 volts).

Wiring the Step & direction

Wiring DC wiring from power supply to Gecko drives

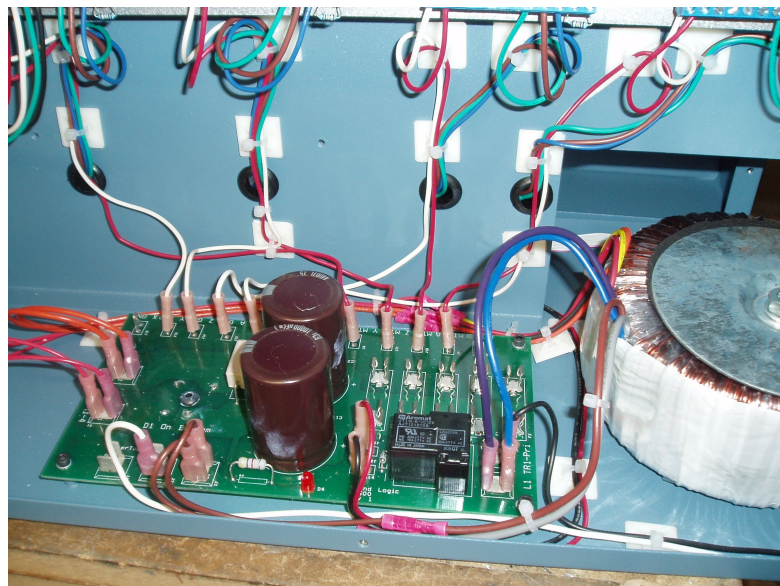


On the three wires to the Gecko drive. I used white tie downs to keep the wires in place.

From the completed picture below, run a white wire from the ground on the power supply board and a red wire from the + voltage terminal on the power supply board to the Gecko drive. The white wire goes to pin one on the Gecko drive. The red wire to pin 2.

NOTE: Make sure that the wire to pin one is the ground. If the two wires get reversed, you will destroy the Gecko drive.

The step and direction wires go to pins 8, 9 and 10 on the Gecko drives. green (dir) to pin 8, brown (step) to pin 9 and blue Common 5 volts to pin 10..



Wiring the Step & direction Continued

Complete the process until you have all the axis wired up.

