

Step 1:

Take your 344 enclosure and unscrew the top cover.



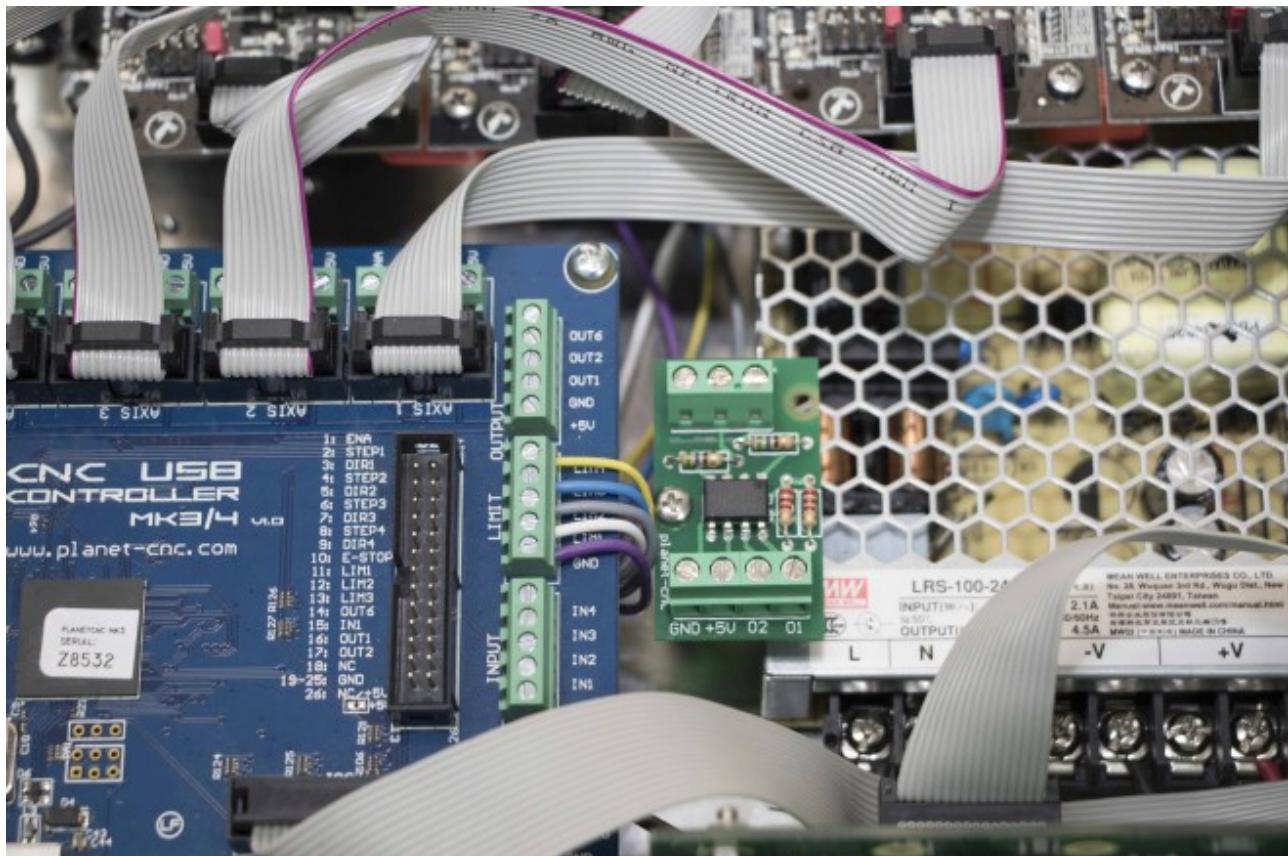
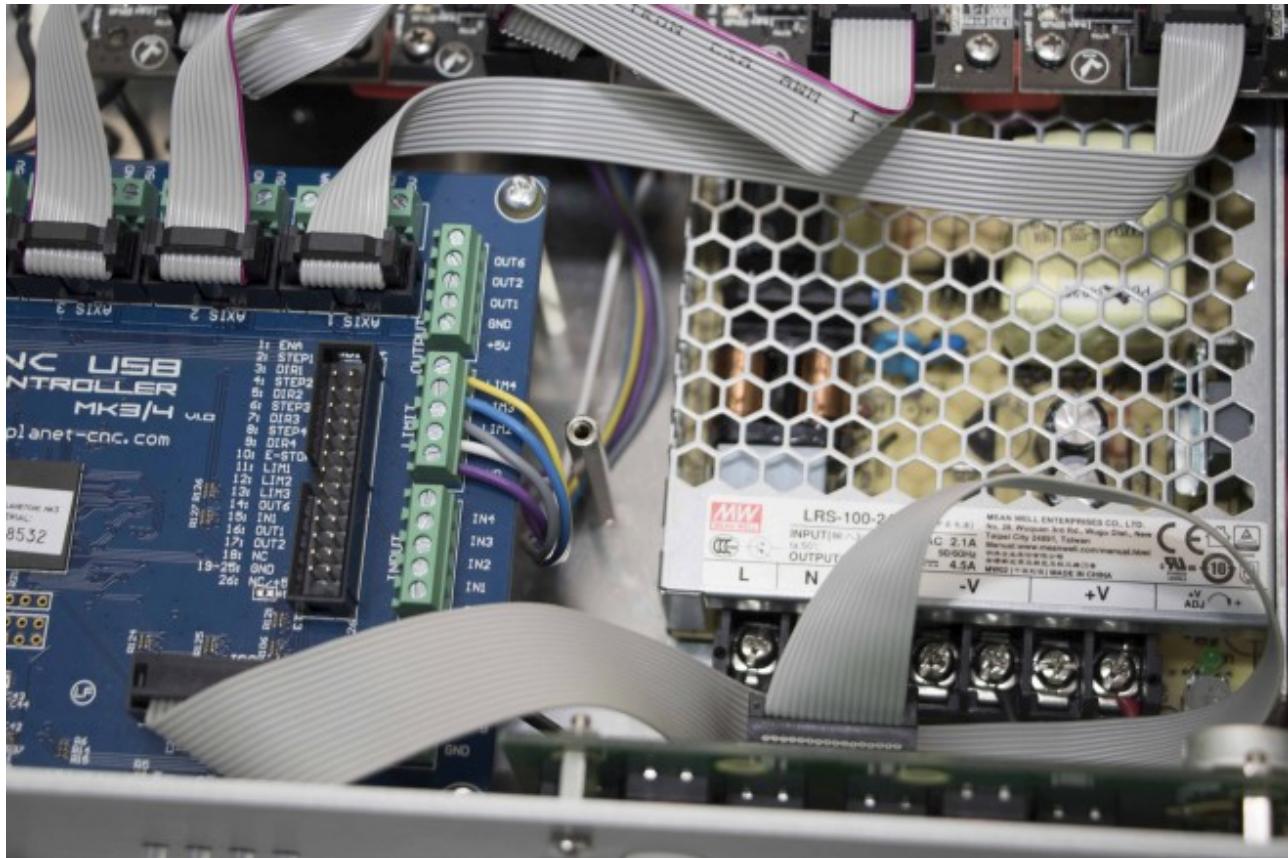
Step 2:

Take adapter with optocoupler board.



Step 3:

Mount it with screw at the reserved pillar:



Step 4:

Unscrew the front panel:

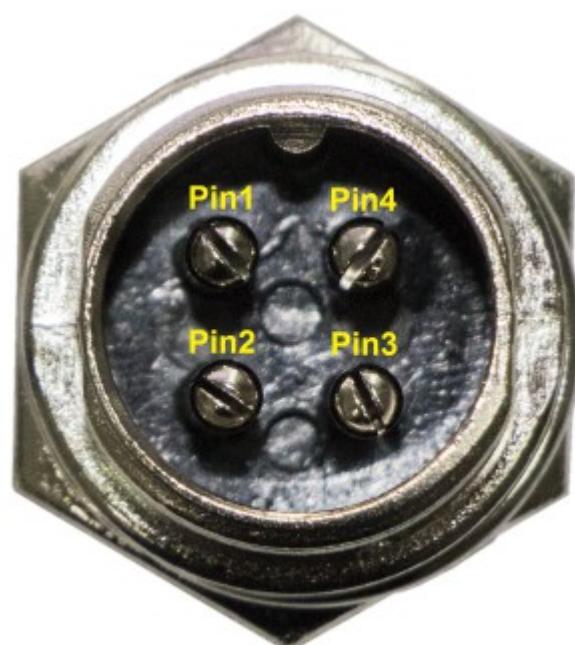


Step 5:

Take 4 pin circular connector.

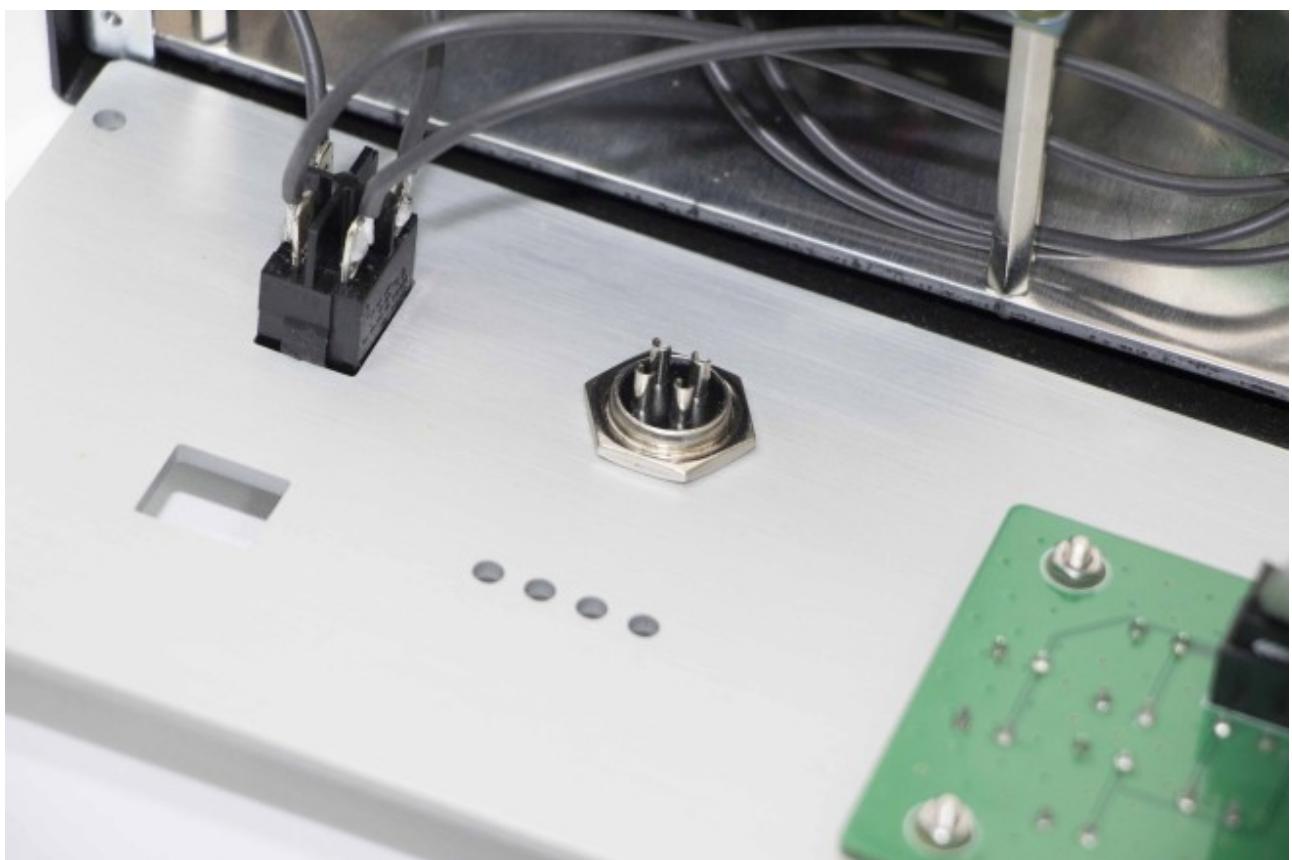


Pin description of 4pin circular connector:



Step 6:

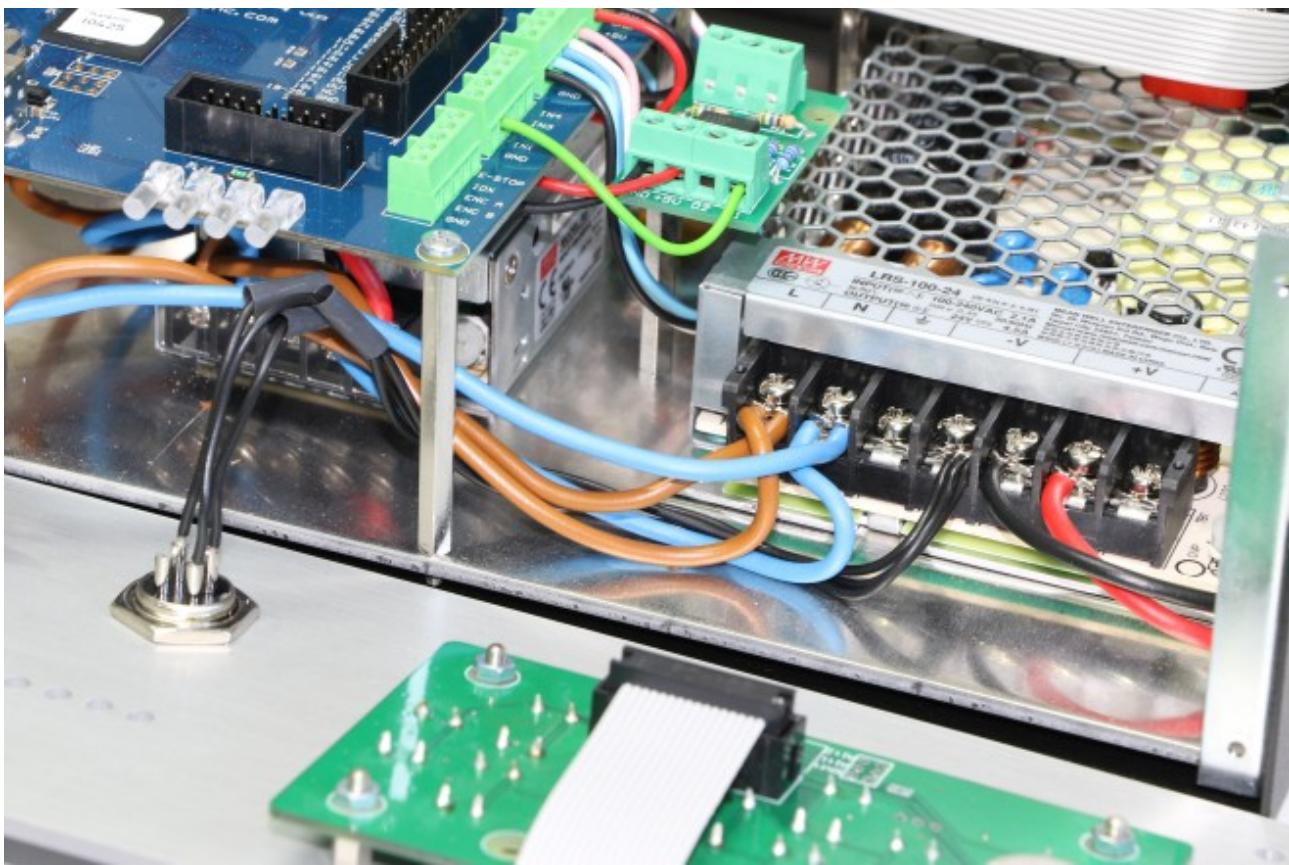
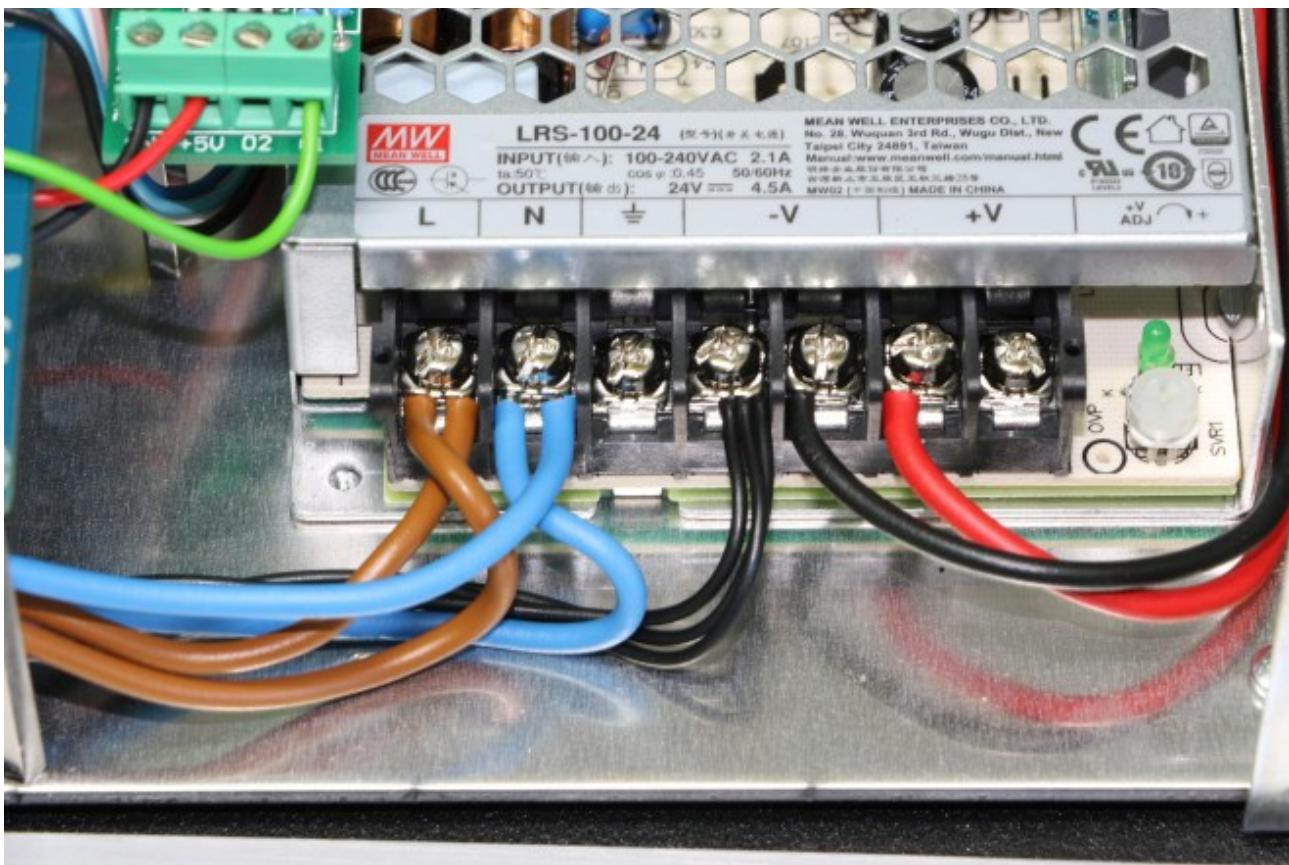
Mount it to reserved hole in front panel:



Step7:

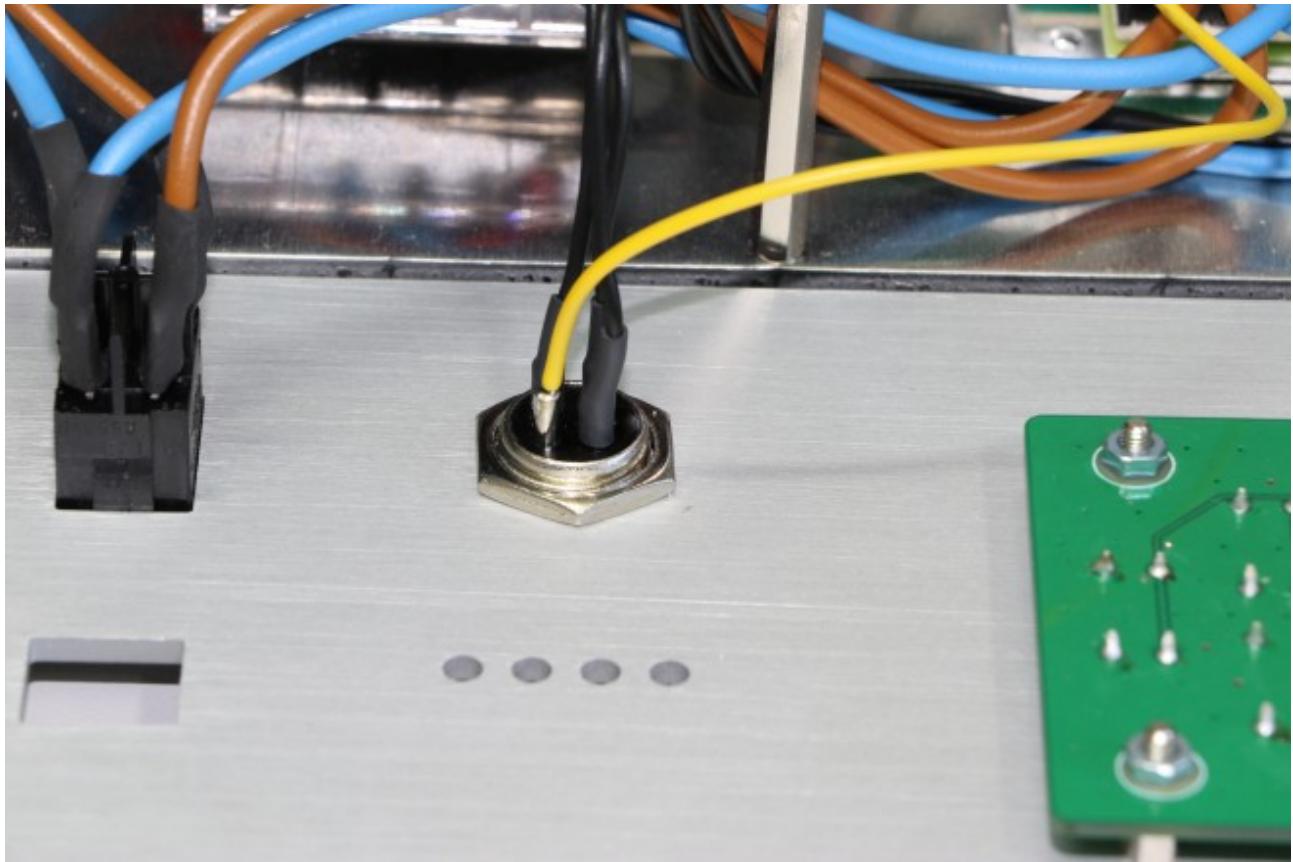
Solder three wires(black) to pins 2, 3 and 4 of 4 pin circular connector.
Other end of these wires will be connected to V- terminal of big power supply.



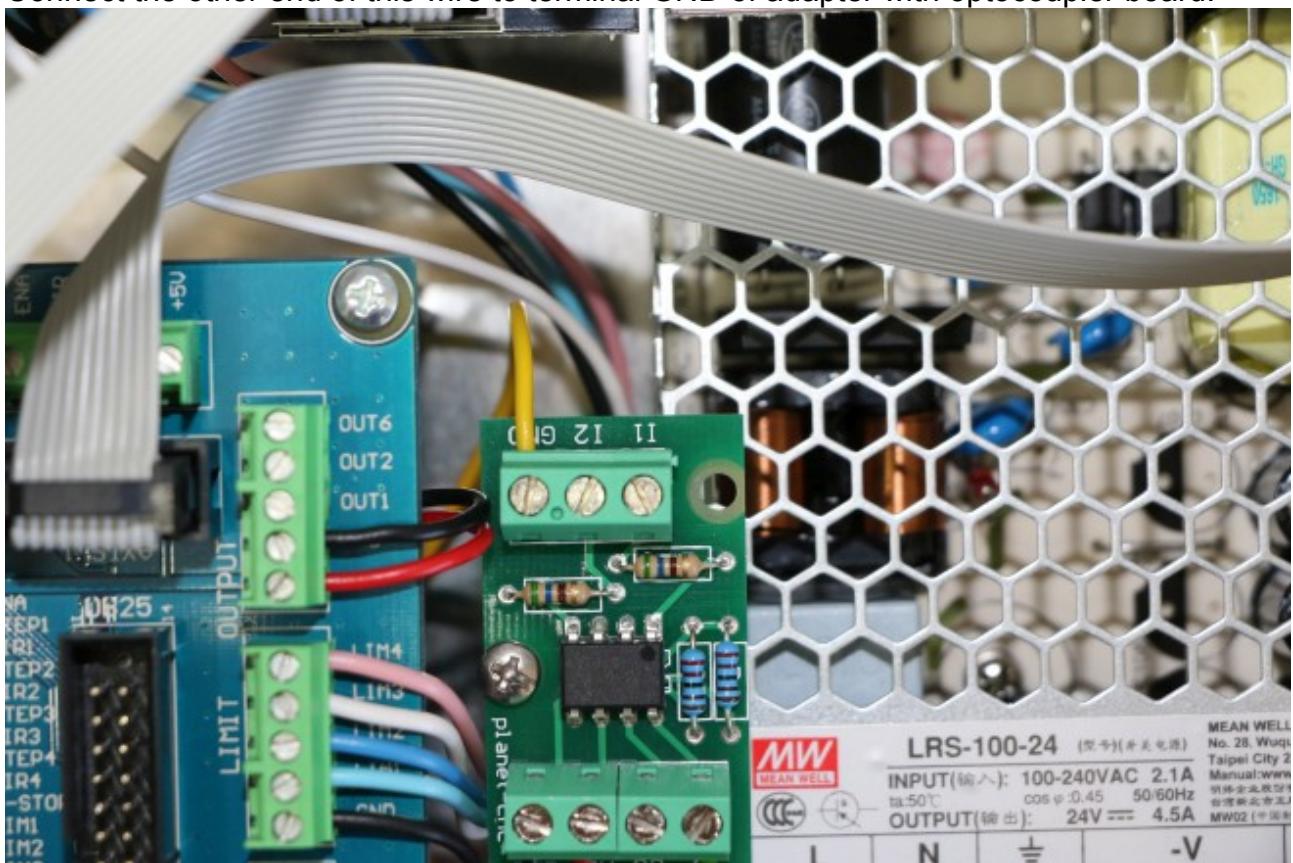


Step 8:

Solder wire(yellow) to 4th pin of 4pin circular connector:

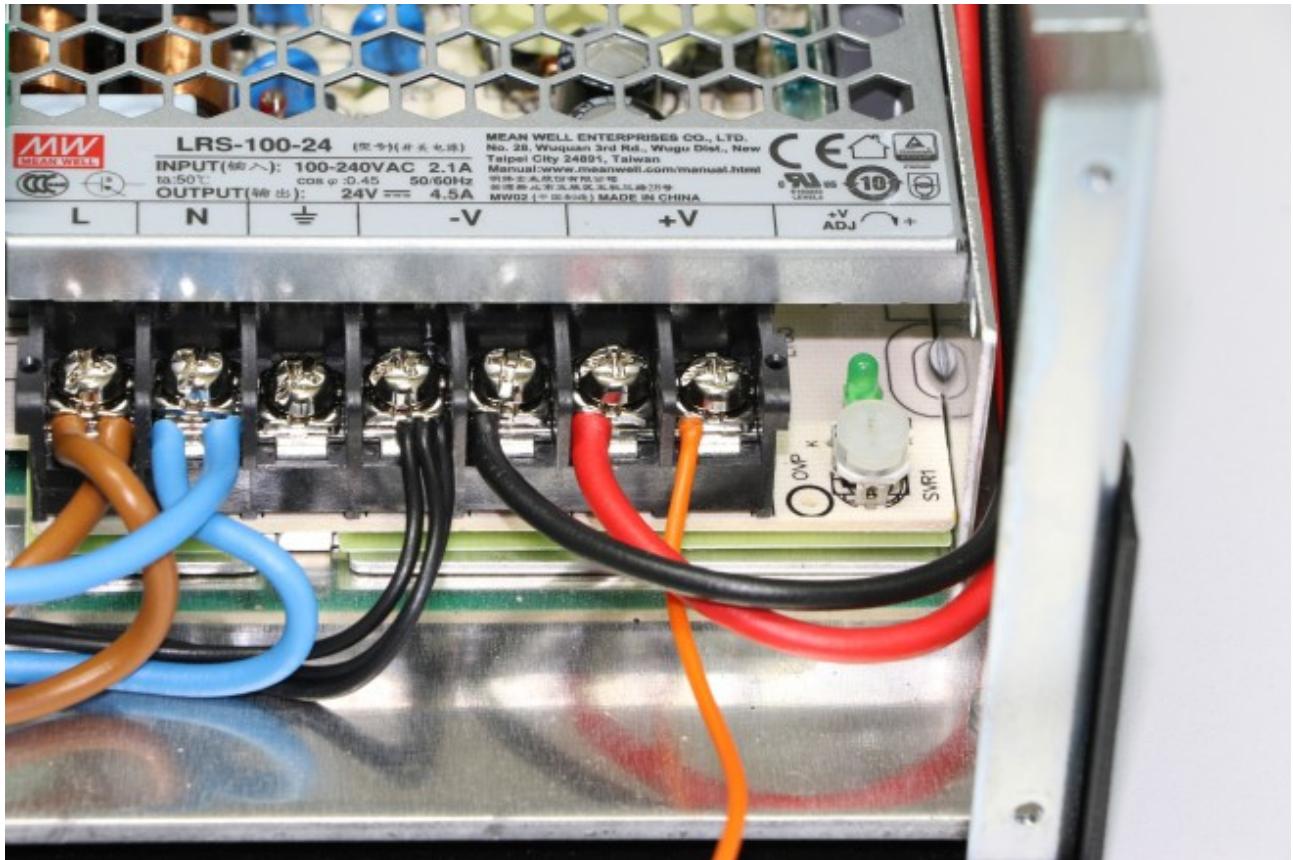


Connect the other end of this wire to terminal GND of adapter with optocoupler board:

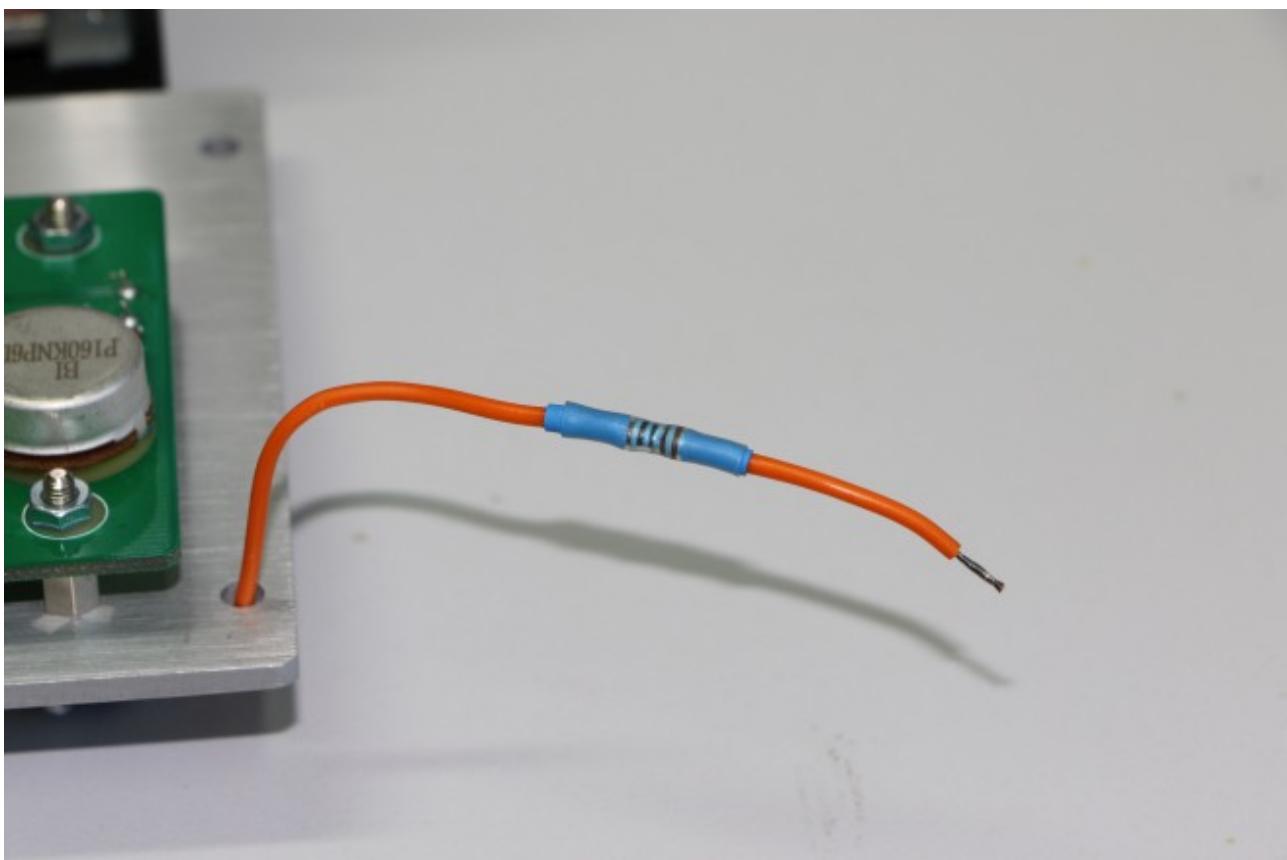
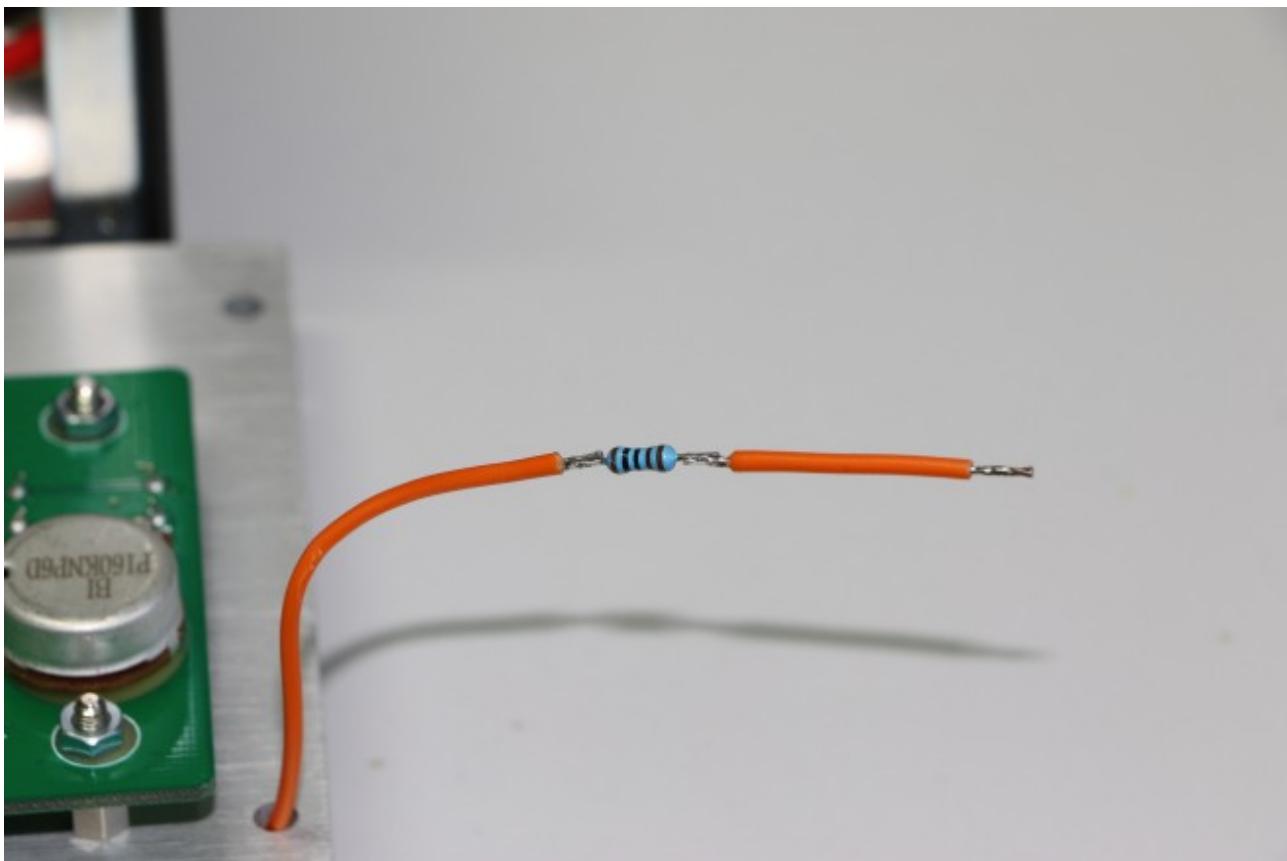


Step 9:

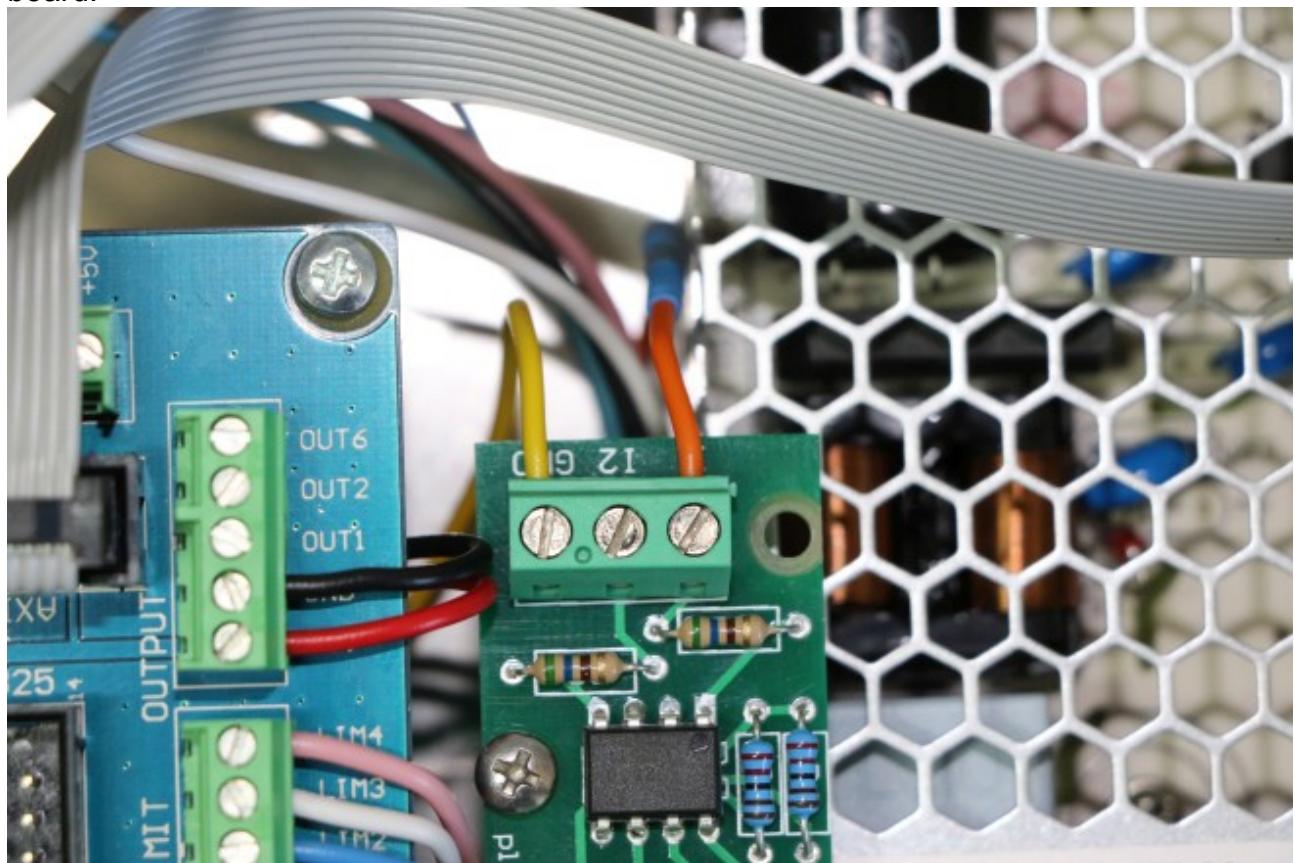
Connect wire(orange) to terminal V+ of big power supply:



Solder 1kOhm resistor to the other end of this wire:

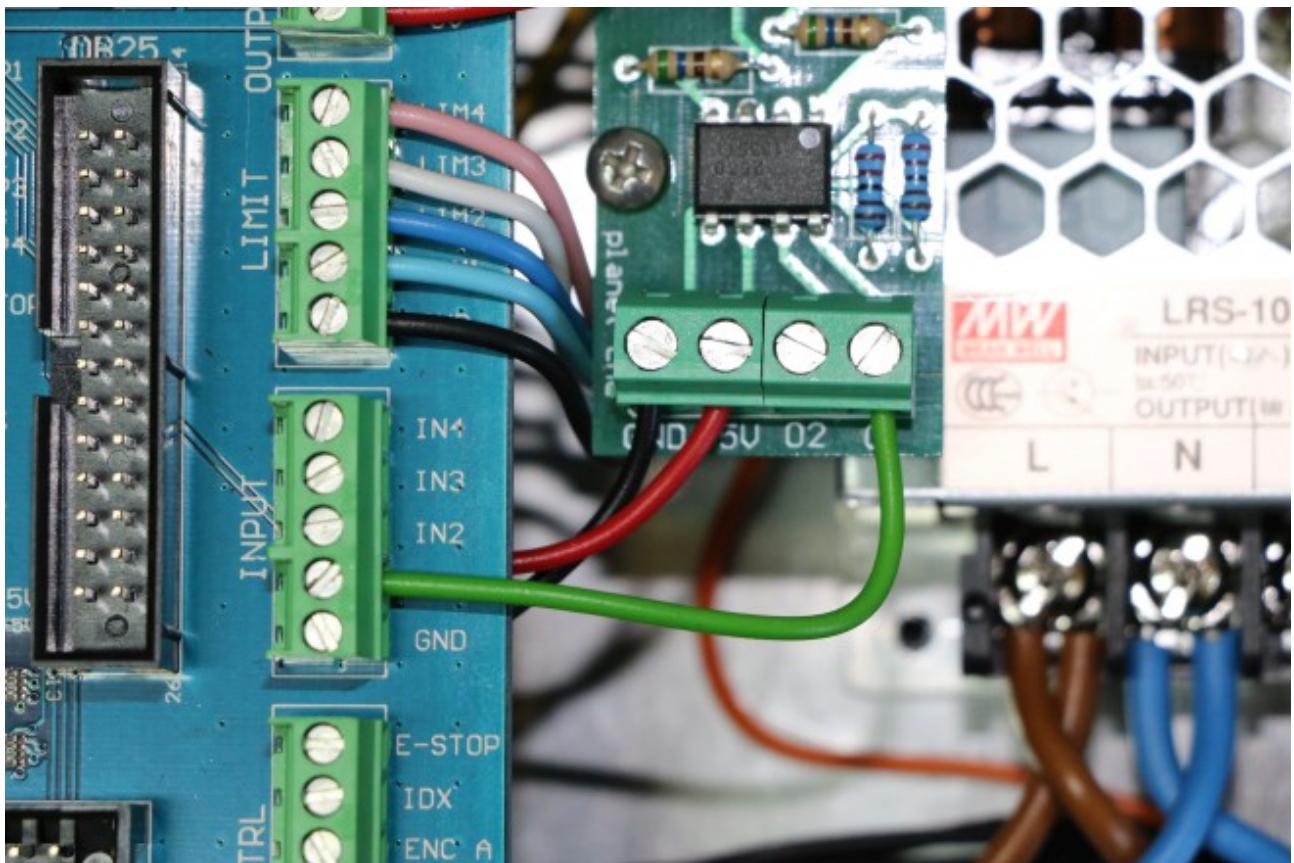


Connect other end of the wire with resistor to terminal IN1 of adapter with optocoupler board:



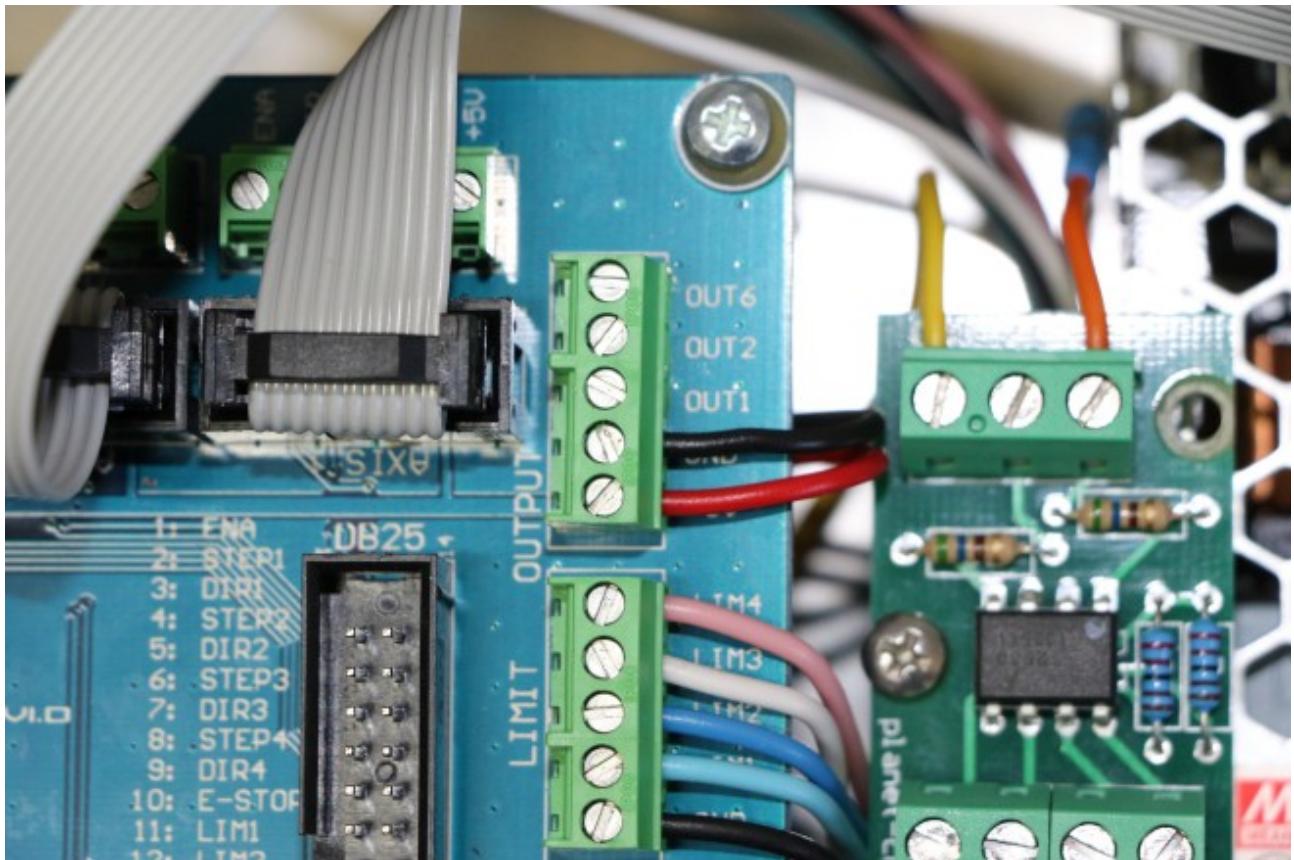
Step 13:

Connect wires to terminals GND(black) and +5V(red) of adapter with optocoupler:



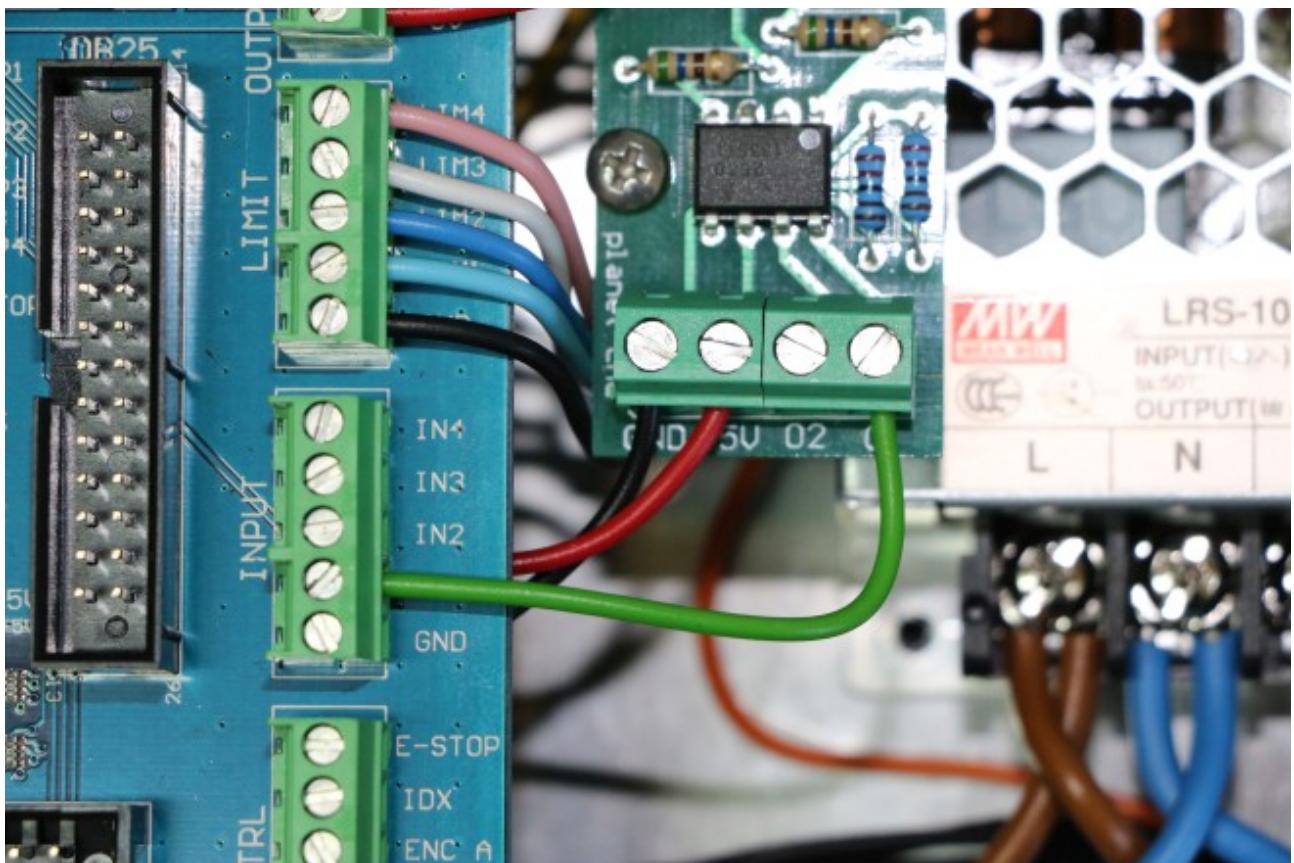
Step 14:

Connect end of the red wire to +5V terminal and end of the black wire to GND terminal of controllers OUTPUT screw terminal:



Step 15:

Connect wire(green) from terminal O1 of adapter with optocoupler to terminal Input 1 (IN1) of controllers INPUT screw connector:



Screw back the top cover of enclosure.

