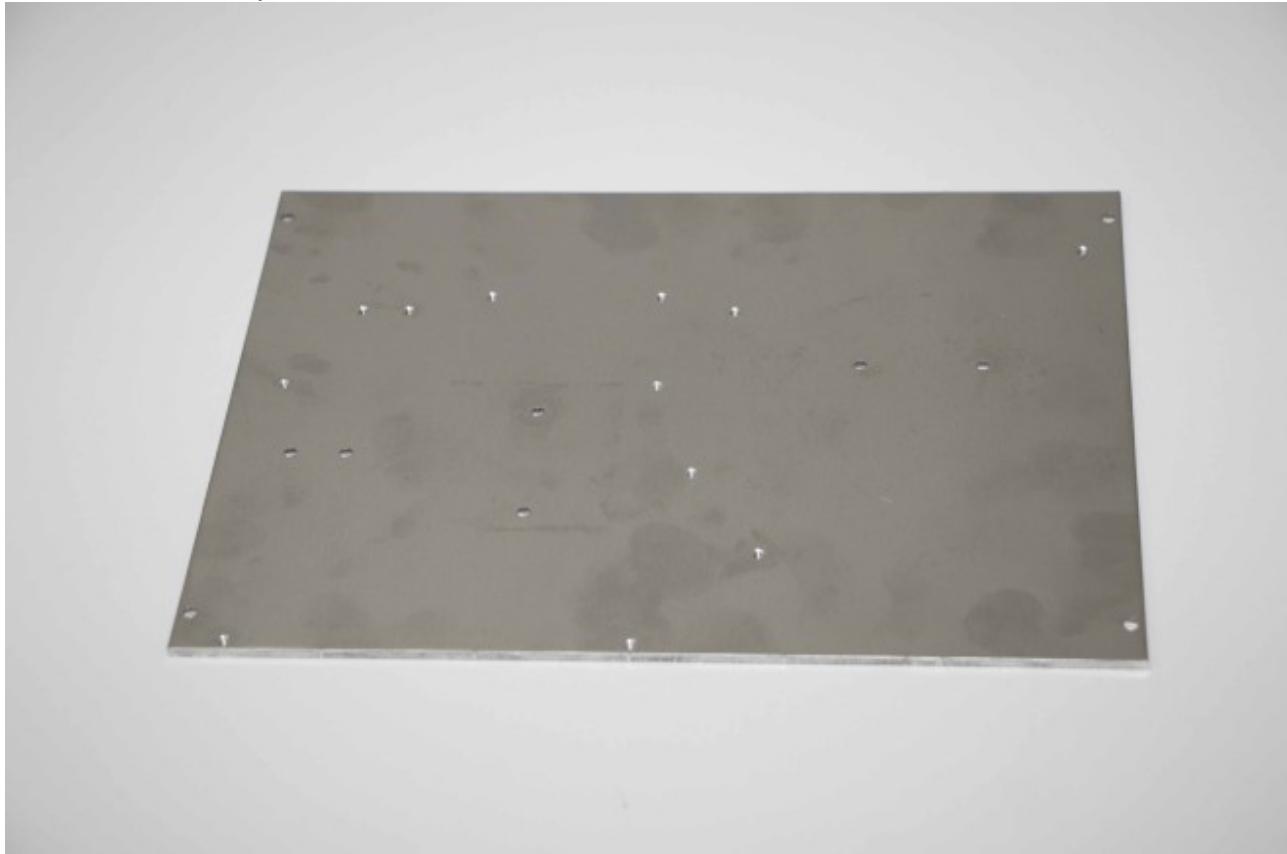
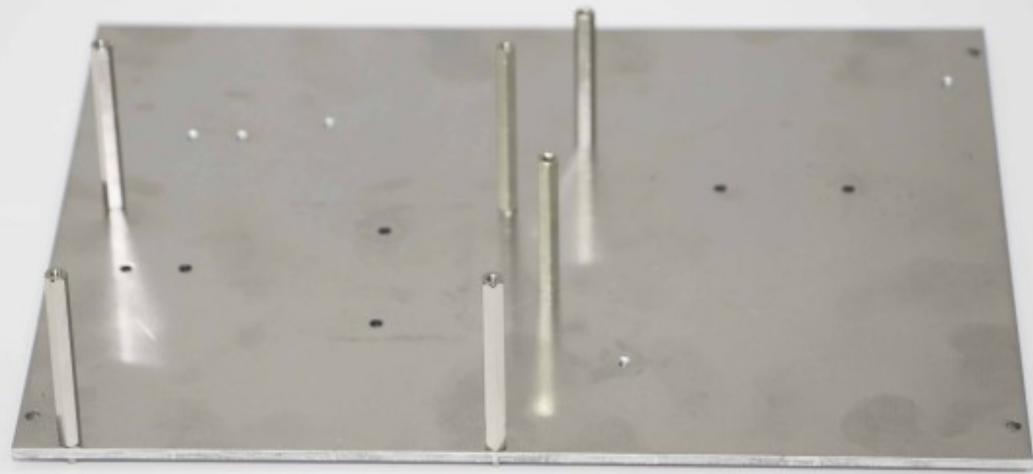
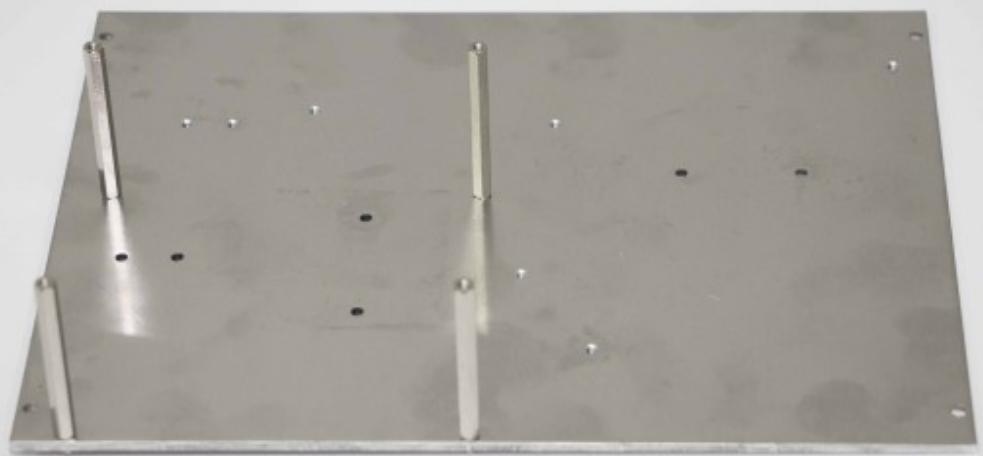


Step 1:
Take main mount plate.



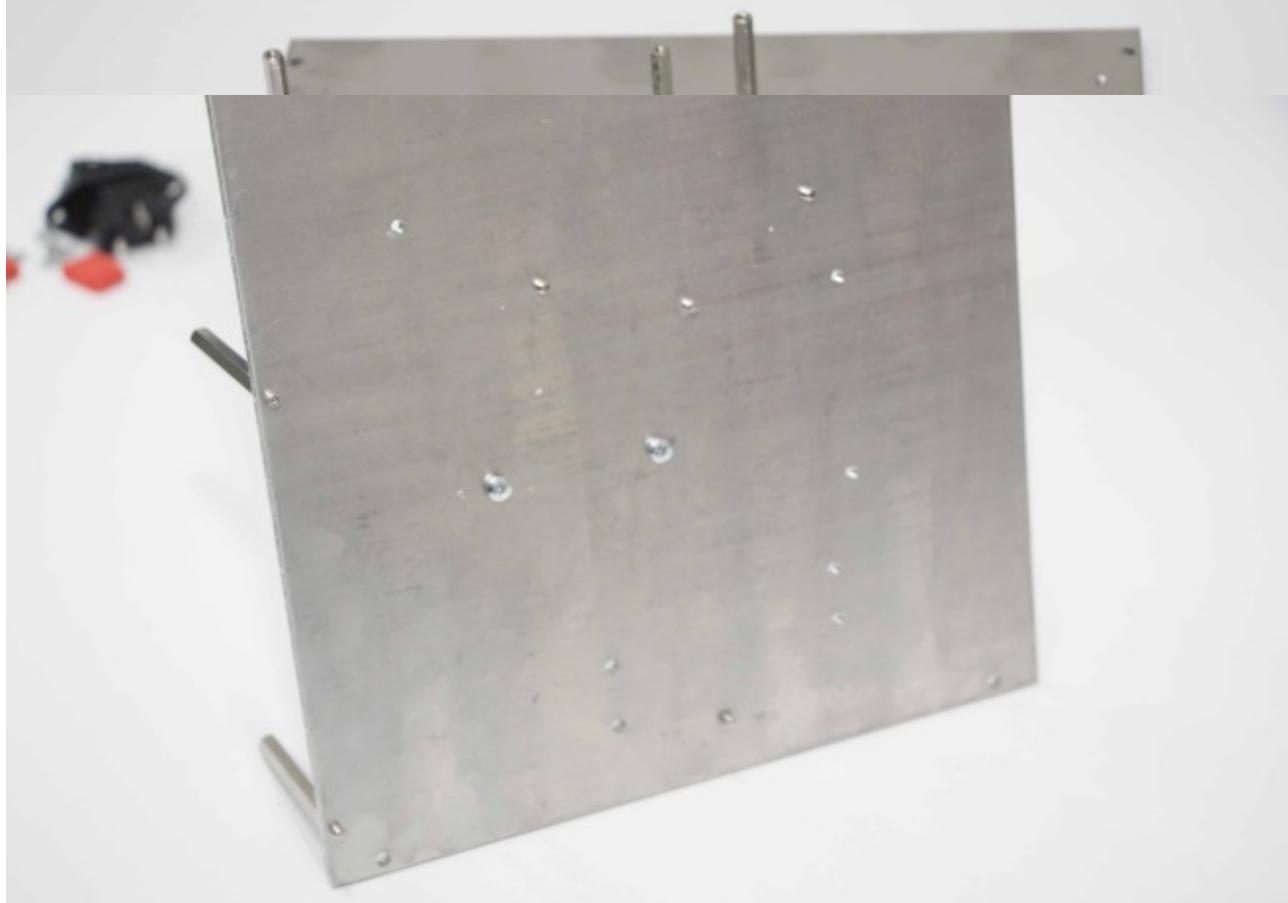
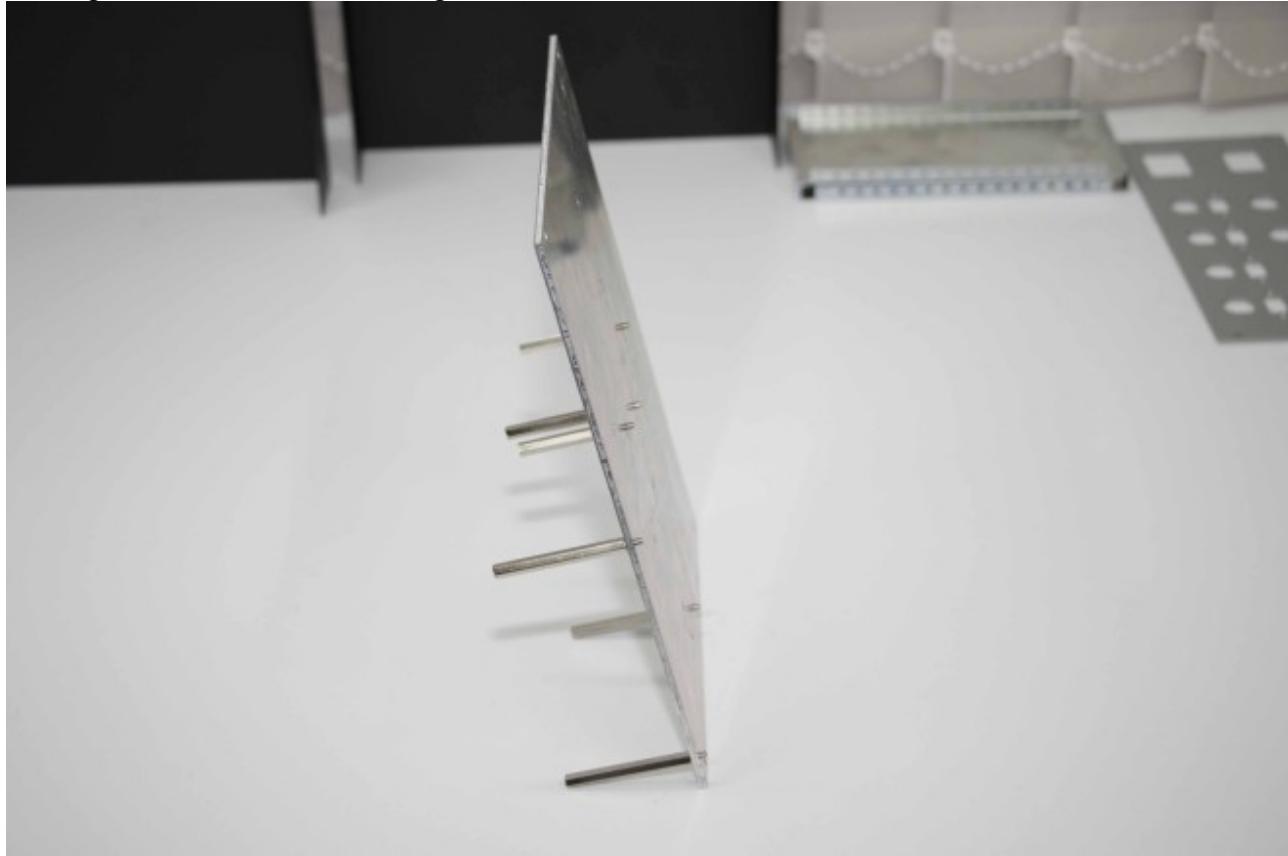
Step 2:

Screw 4 long and 2 short pillars. Please be careful that you do not damage threads.

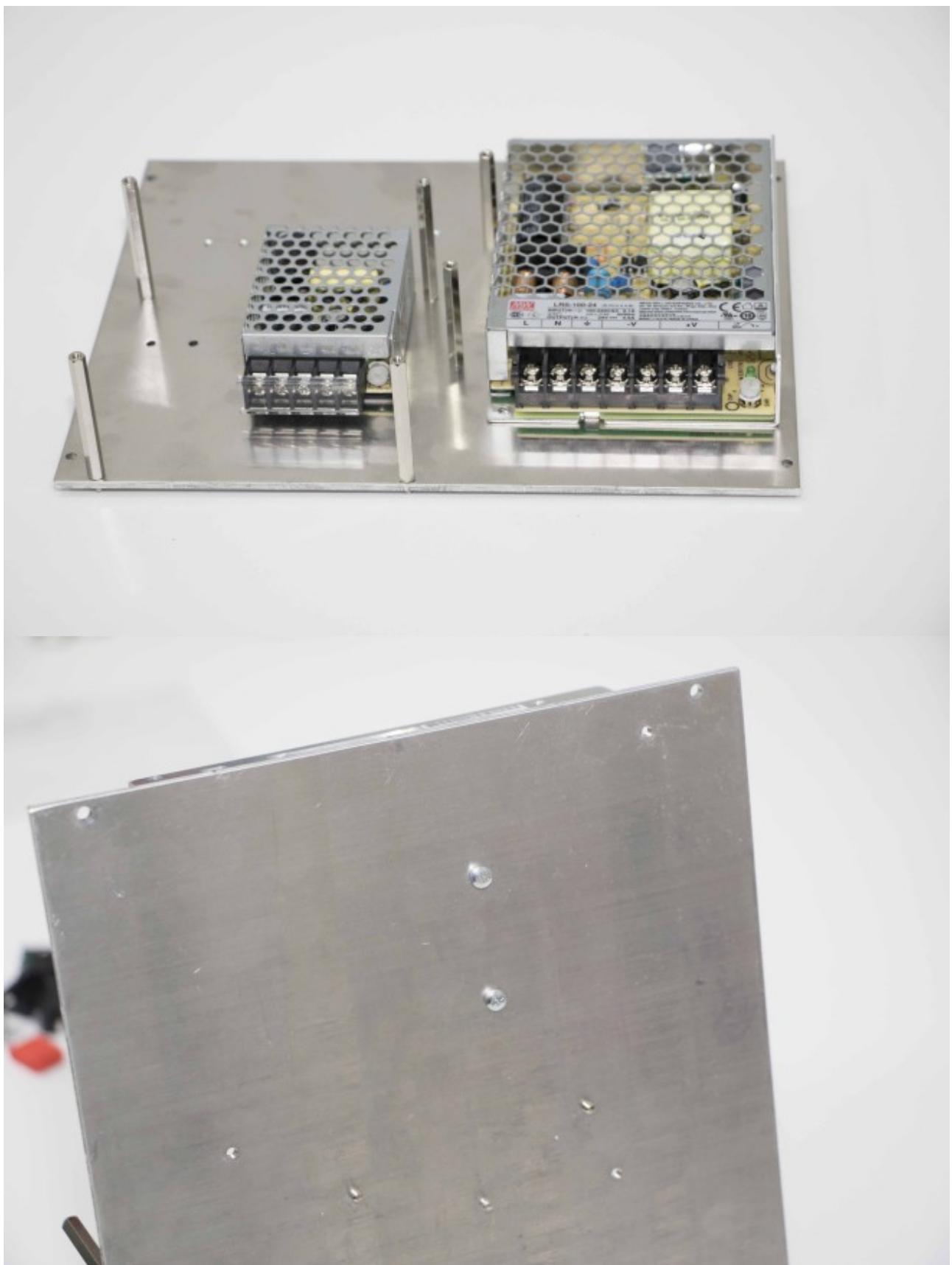


Step 3:

Position base plate sideways and screw small power supply. FYI: Power supply can be damaged if screws are too long.



Step 4:
Now screw big power supply.



Step 5:

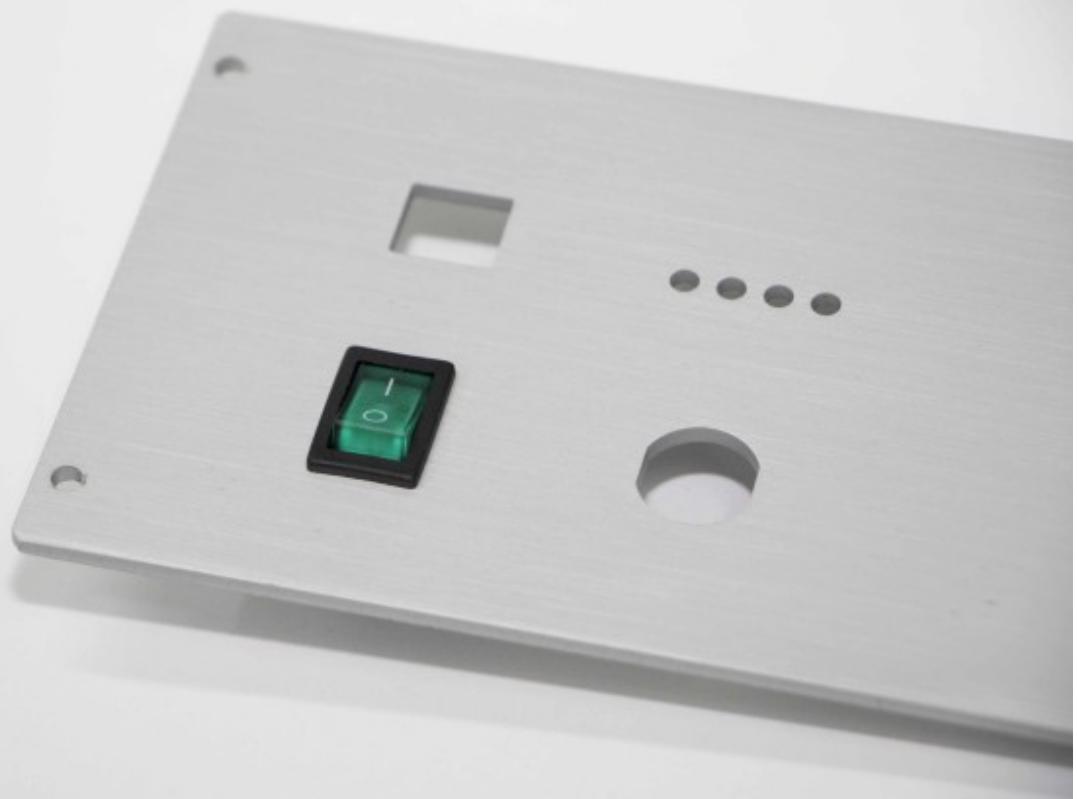
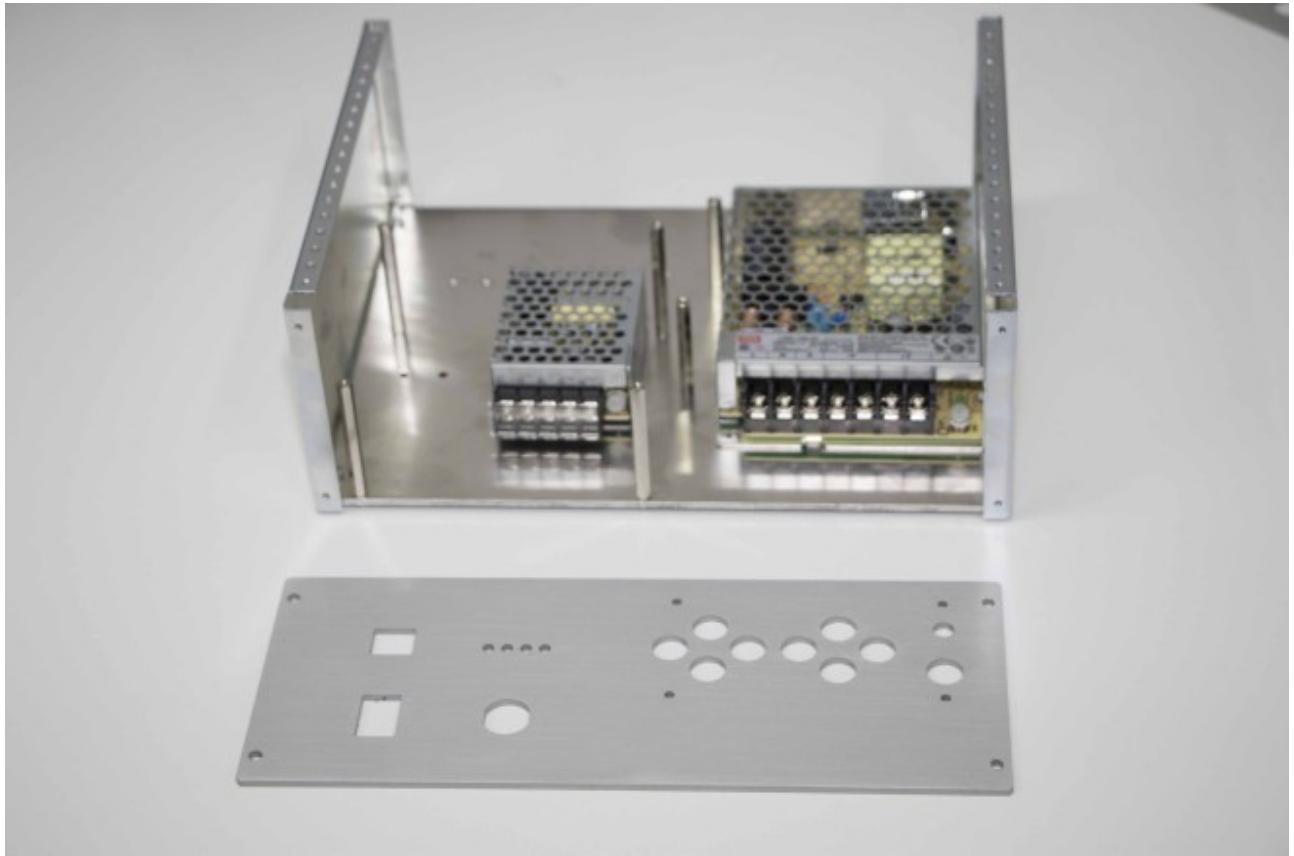
Take side panels and screw them. Again, be careful not to damage the threads with over

tightening the screws.

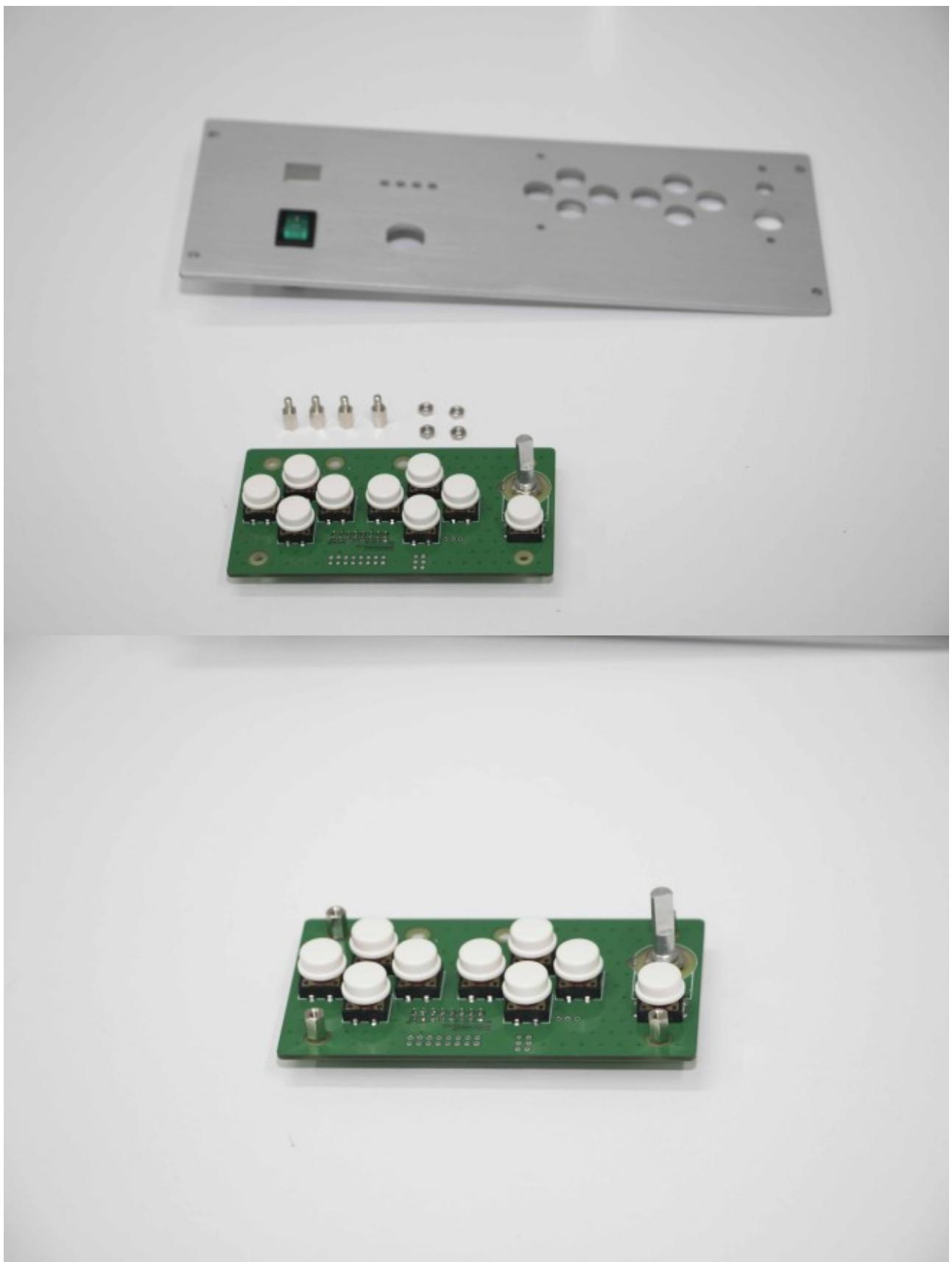


Step 6:

Take front panel and push in the rocker switch into its hole.



Step7:
Screw 4x8mm pillars to jogging keyboard.

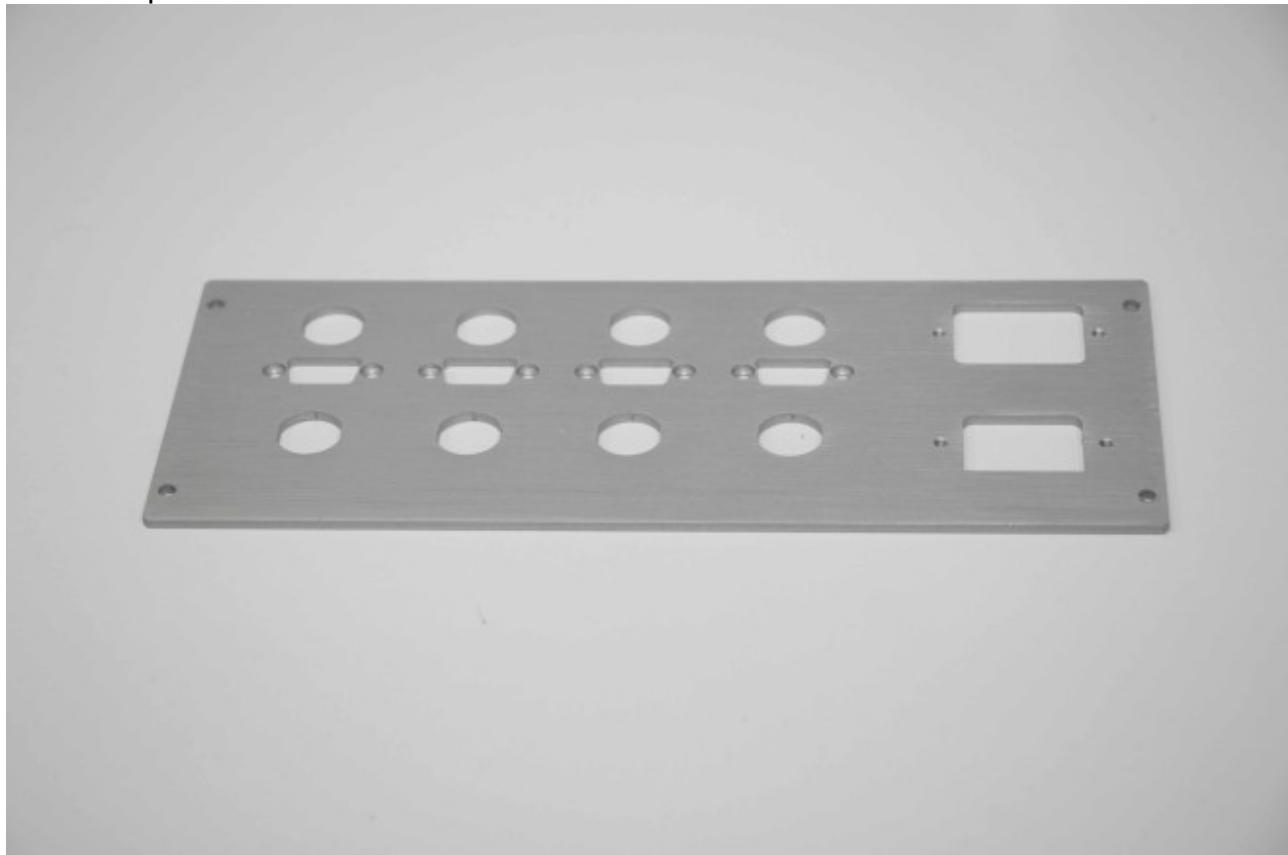


Step 8: Screw jogging keyboard to front panel.



Step 9:

Take rear panel.



Step 10 (Advanced kit):

If you have circular connectors from "Advanced Kit" loosely screw them to rear panel holes. Be careful about orientation, key is on top of connector.



Step 11(Advanced kit):

Screw power inlet with EMI filter and outlet.



Step 12 (Advanced kit):

Screw power outlet.

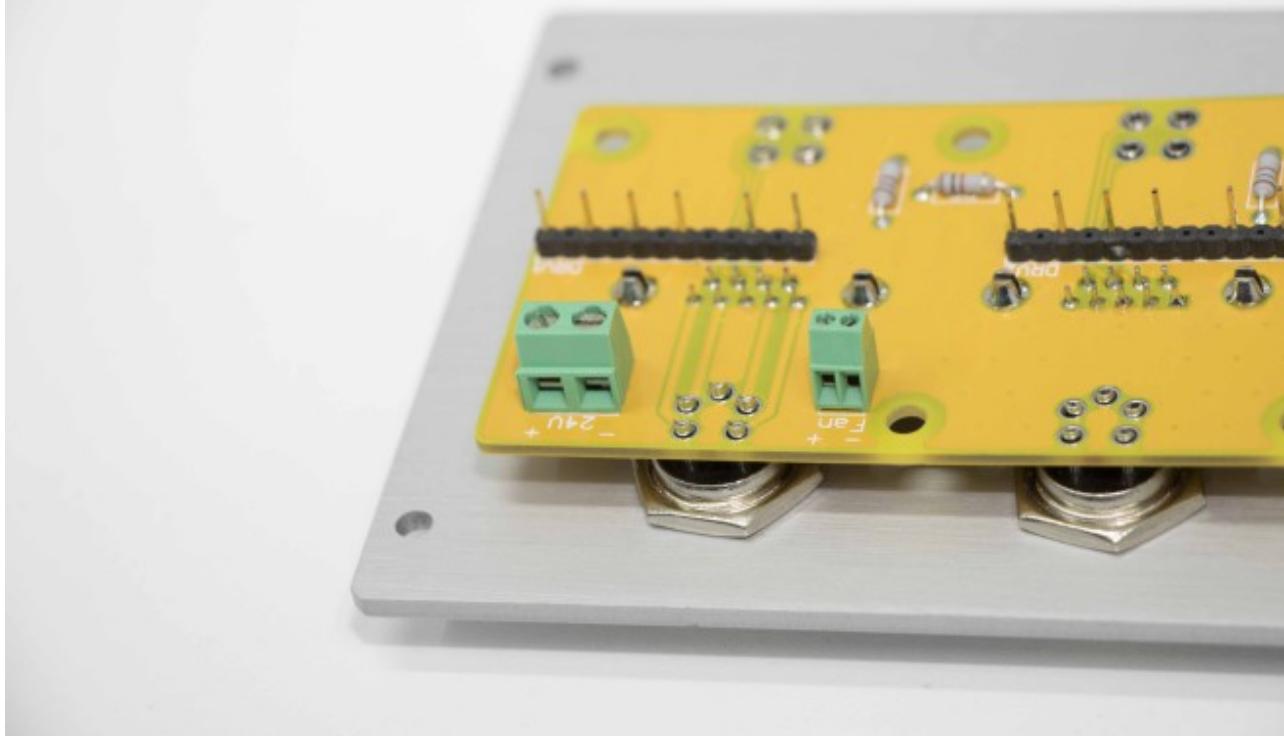
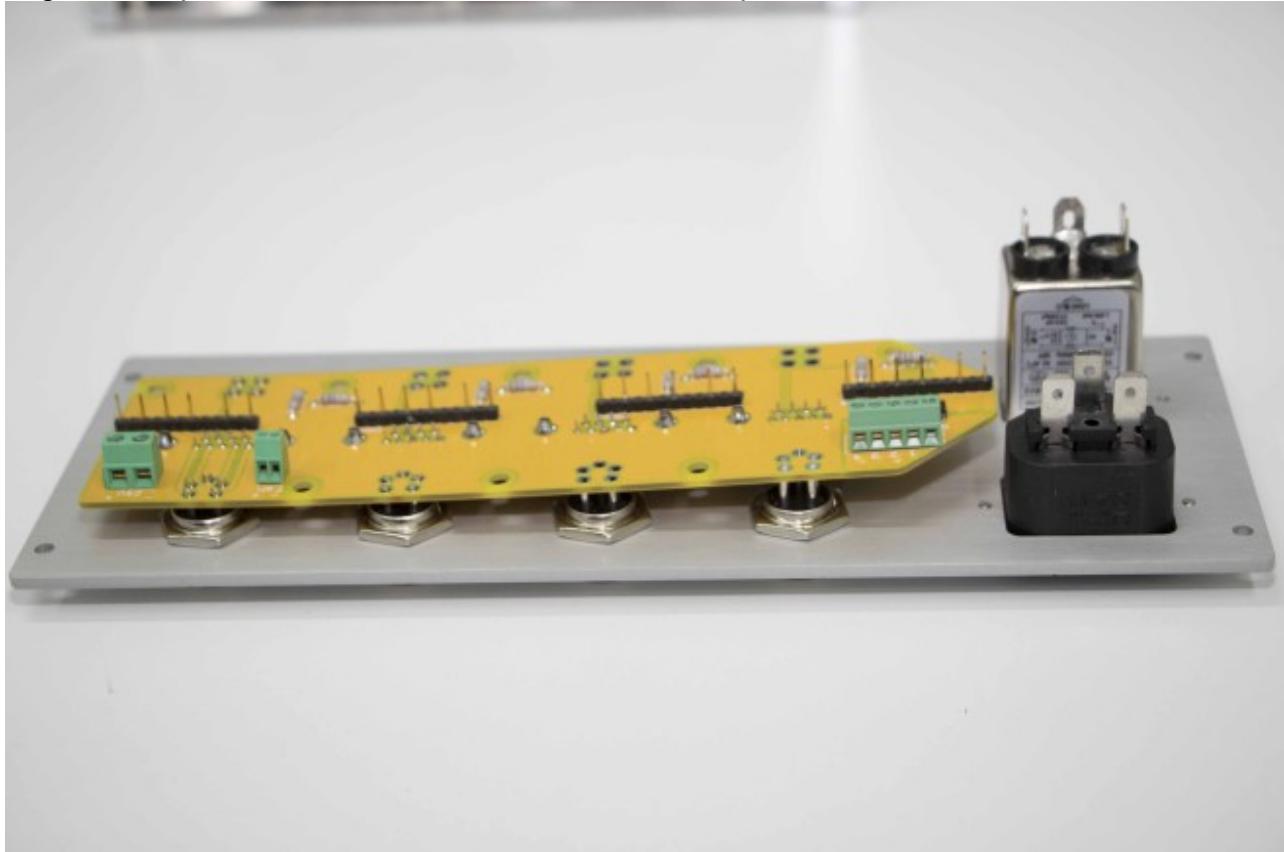


Step 13 (Advanced kit):

Take driver mount board and place it on the back of the rear panel so that its holes will fit on pins of circular connectors.

This step can be tricky because you need to align circular connector pins into driver mount holes.

Align and fit pins of first two circular connectors into pin holes:



Then loosely tighten one screw on the back side of plate. This prevents connector pins to get out of the holes:



We suggest that you start on one side and continue doing the same for next three connectors.

Step 14(Advanced kit):

When all pins are in their holes screw and tighten all connectors.



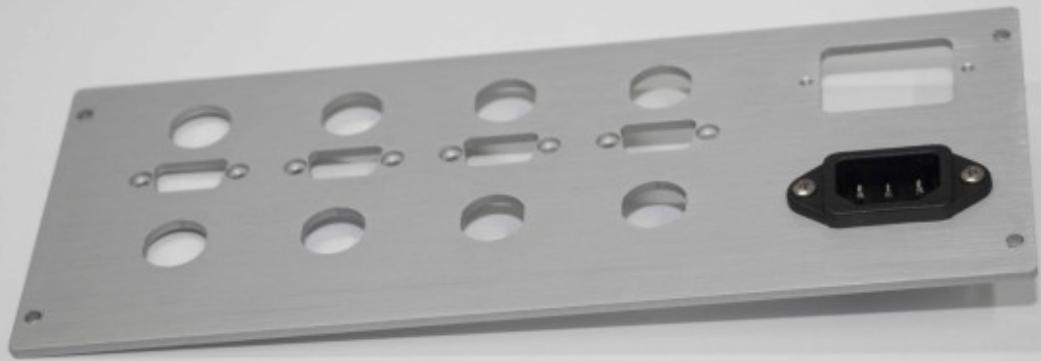
Step 15:

Solder pins to driver mount and only then tighten circular connector screws.

Step 16 (Basic kit):

If you do not have Advanced kit don't worry you can always get it later.

Screw in power inlet and screw driver mount (you can cover unused holes with tape)

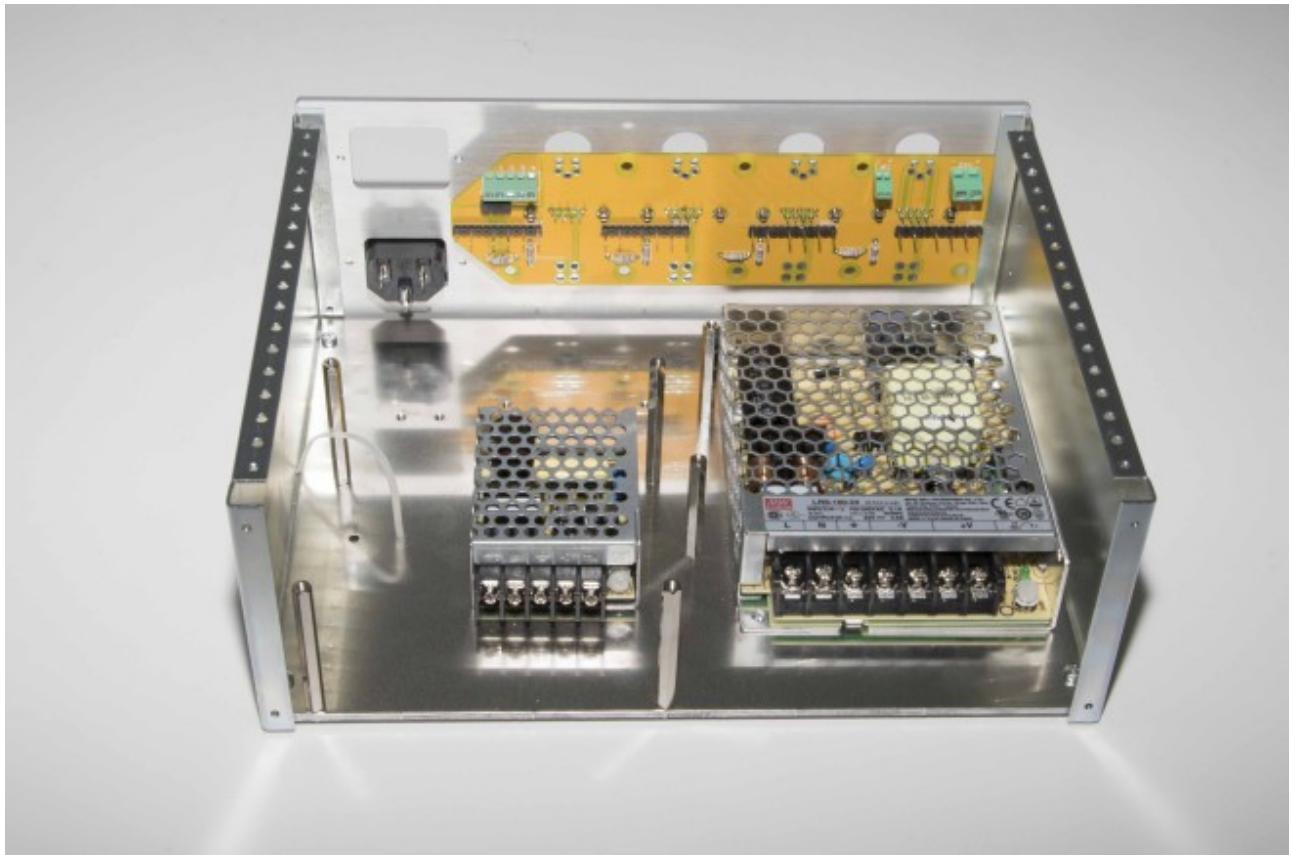


Step 17(Basic kit):

Place driver mount board into holes and tighten the screws.



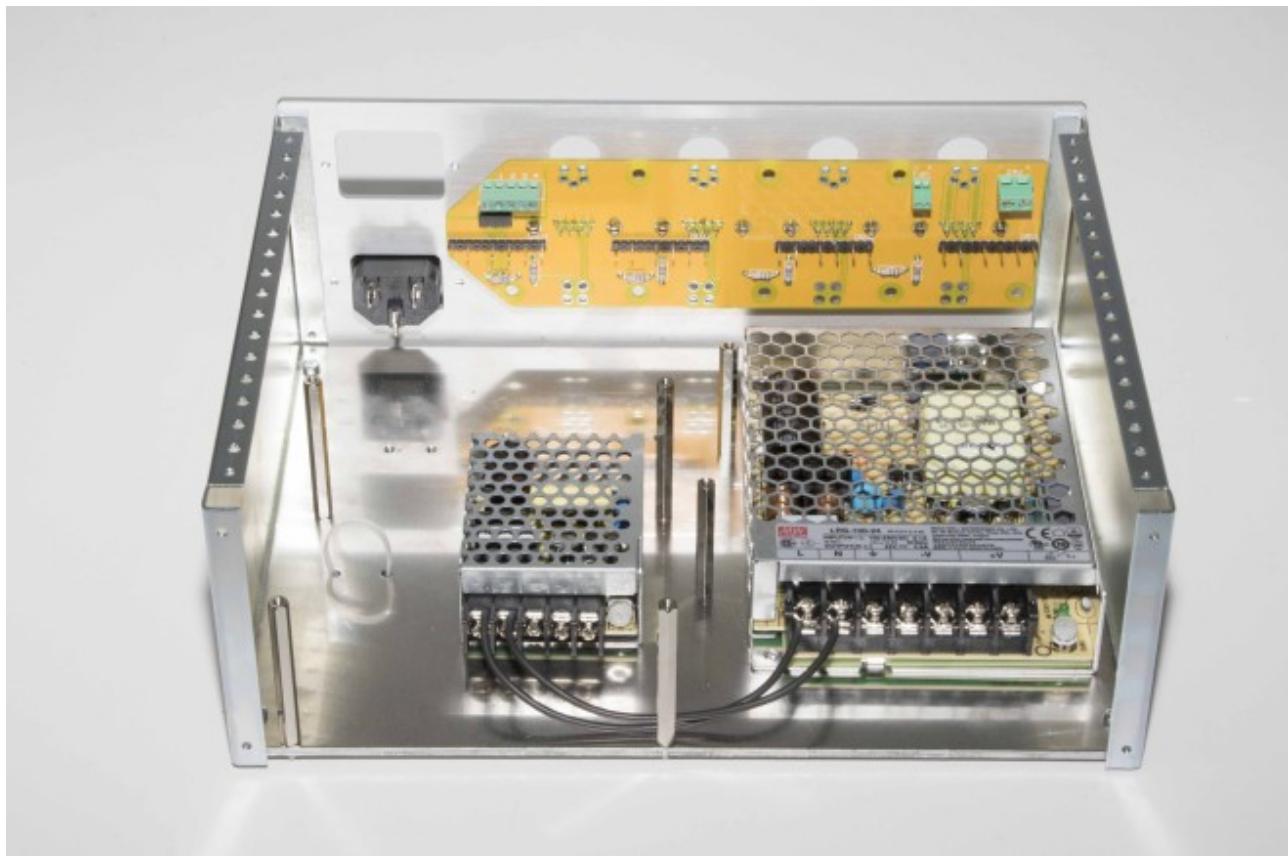
Step 18 (Basic kit):
Screw rear panel in place.



Step 19:

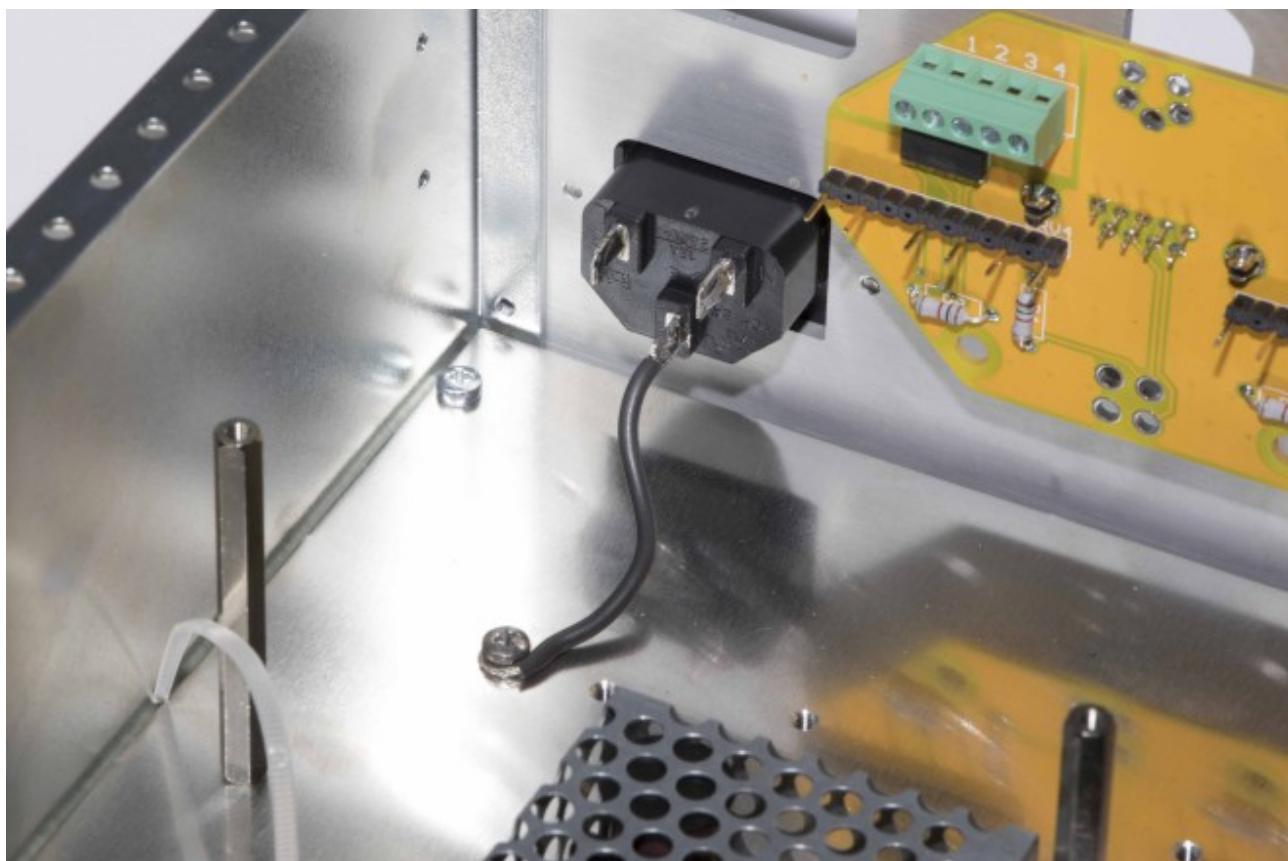
Now it is time to do some wiring(pictures should be self-explanatory). If you are unsure in your soldering skills ask someone with electrical experience.

First we will connect terminals L and N of both power supplies.

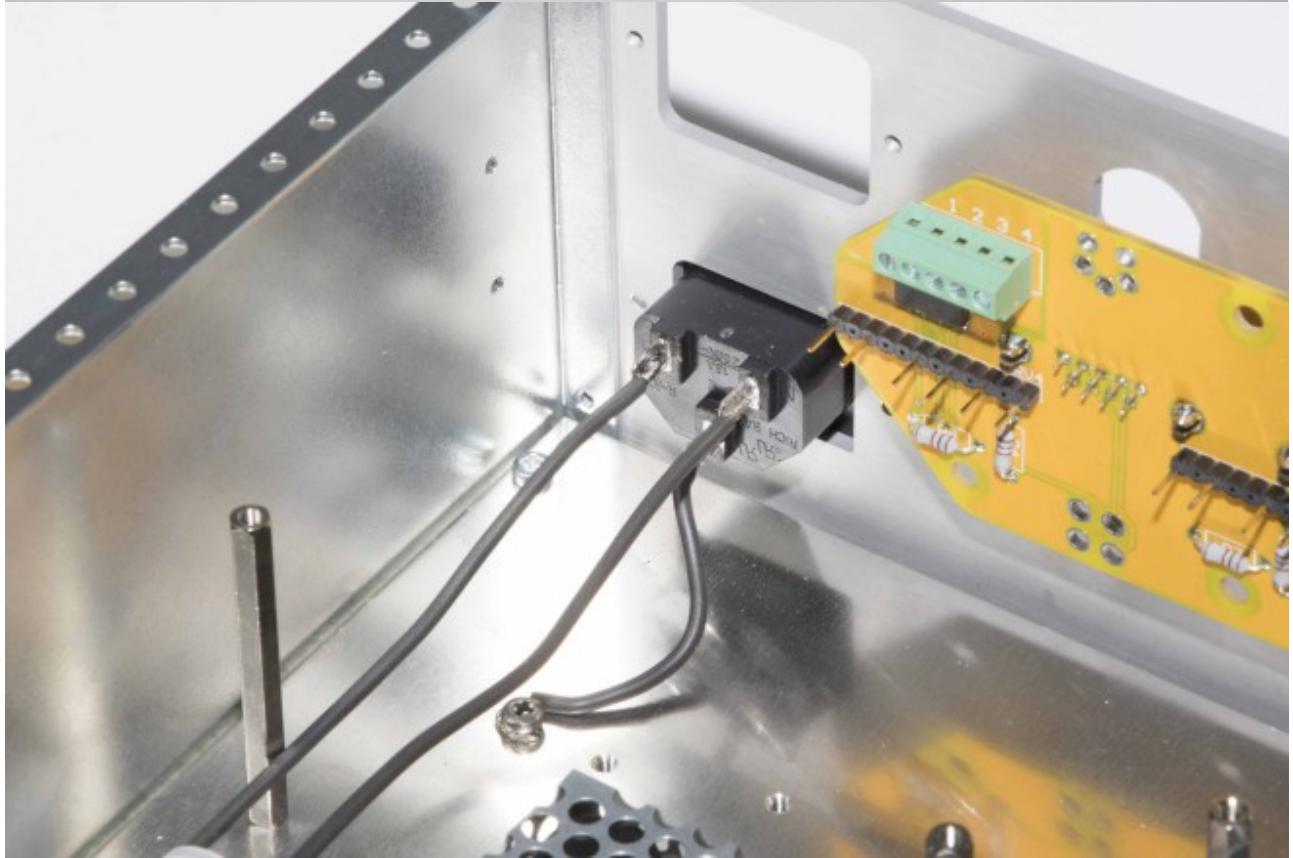


Step 20:

Wire for ground(GND) should be attached to reserved hole with screw.



Step 21:
Solder wires to power inlet terminals L and N.



Step 22:

Solder wires to upper L and N terminals of rocking switch on front panel.

When soldering rocking switch be careful not to overheat the terminals.



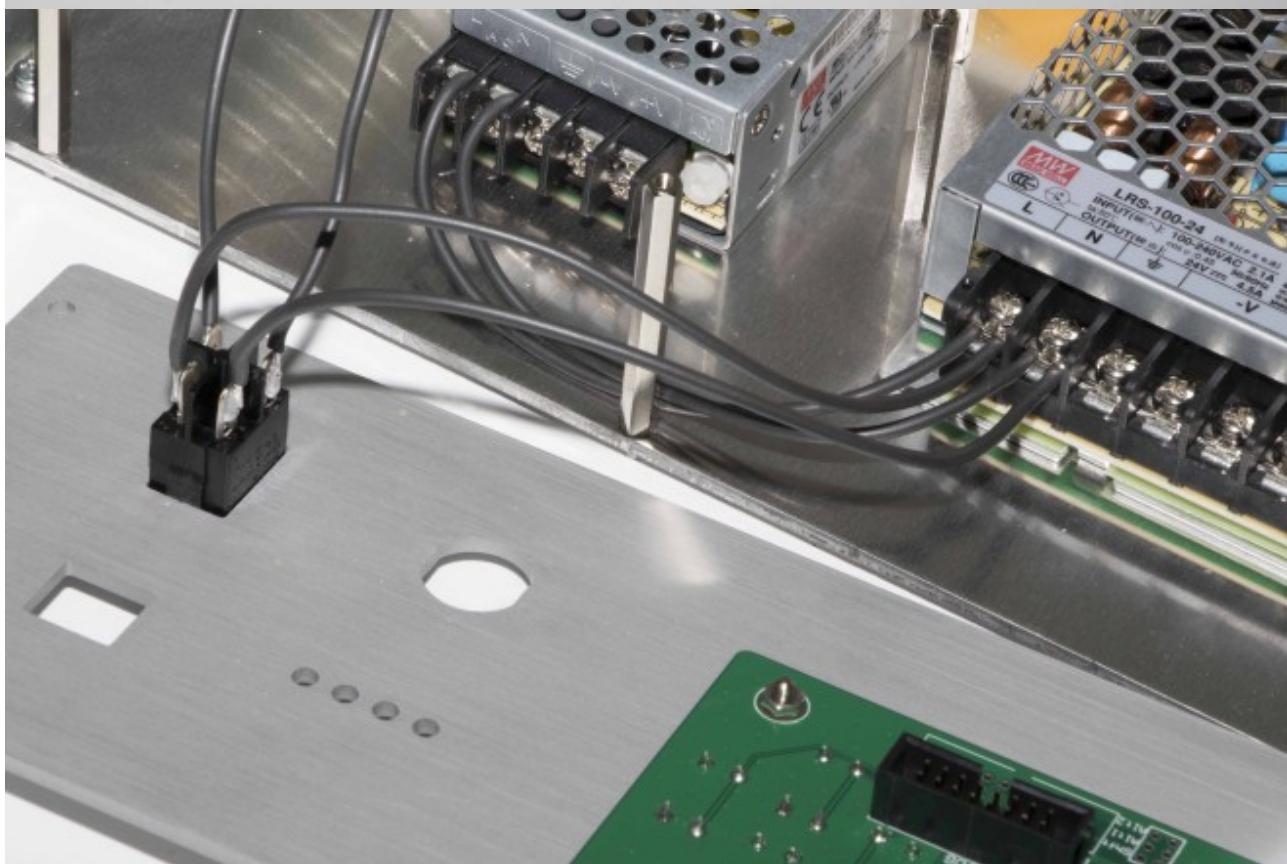
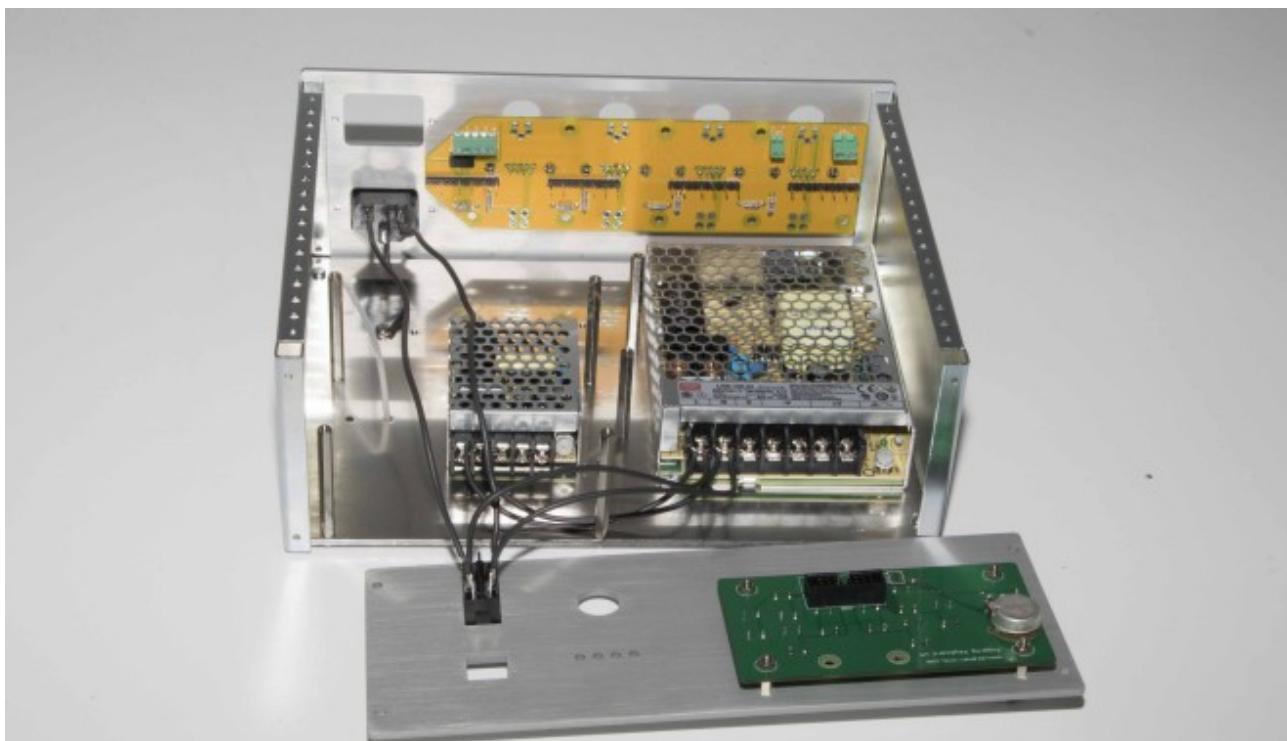
Step 23:

Solder wires from power inlet to bottom L and N terminals of rocking switch.
When soldering rocking switch be careful not to overheat the terminals.



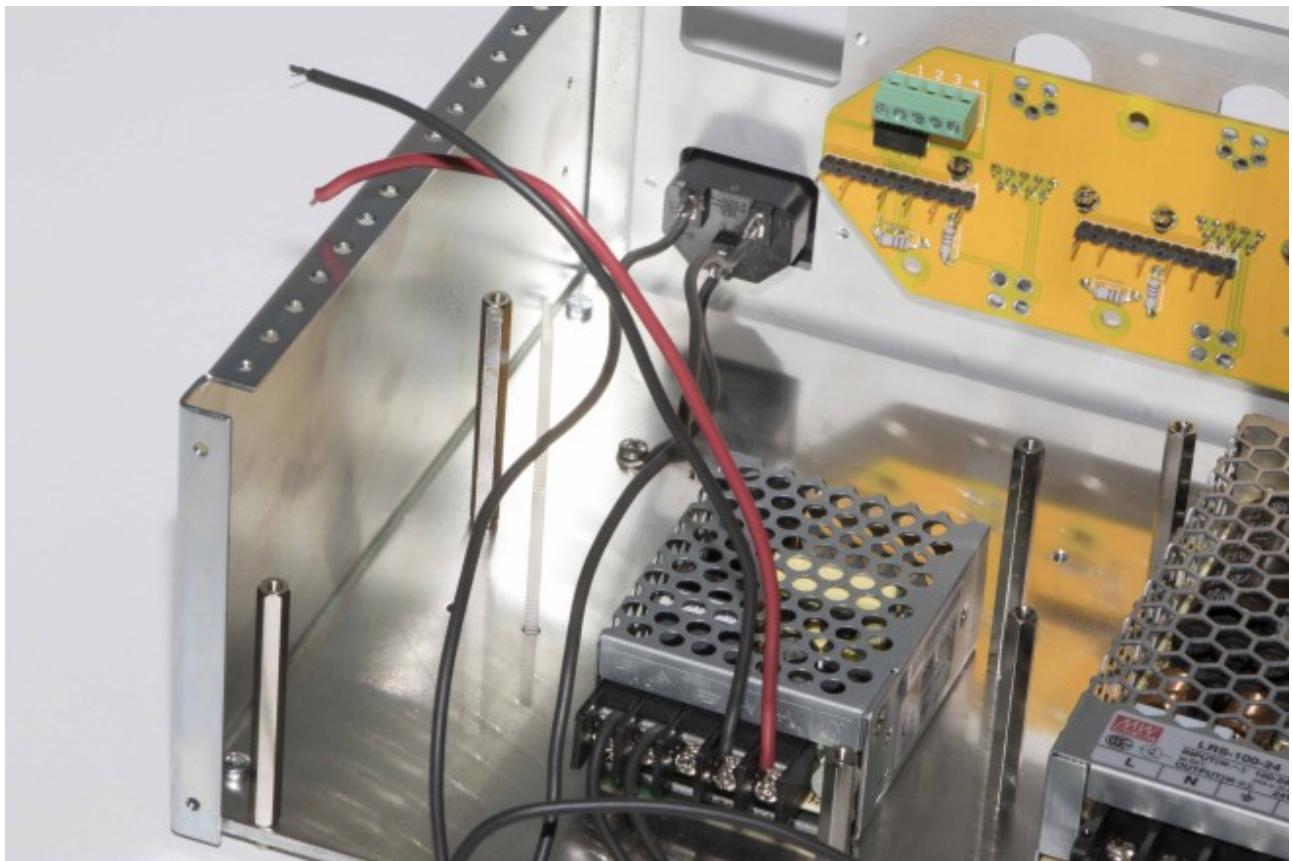
Step 24:

Connect wires from upper L and N terminal of rocking switch to terminals L and N of big power supply.



Step 25:

Connect wires to terminals V+ and V- of small power supply. This wires will be used for controller power supply.



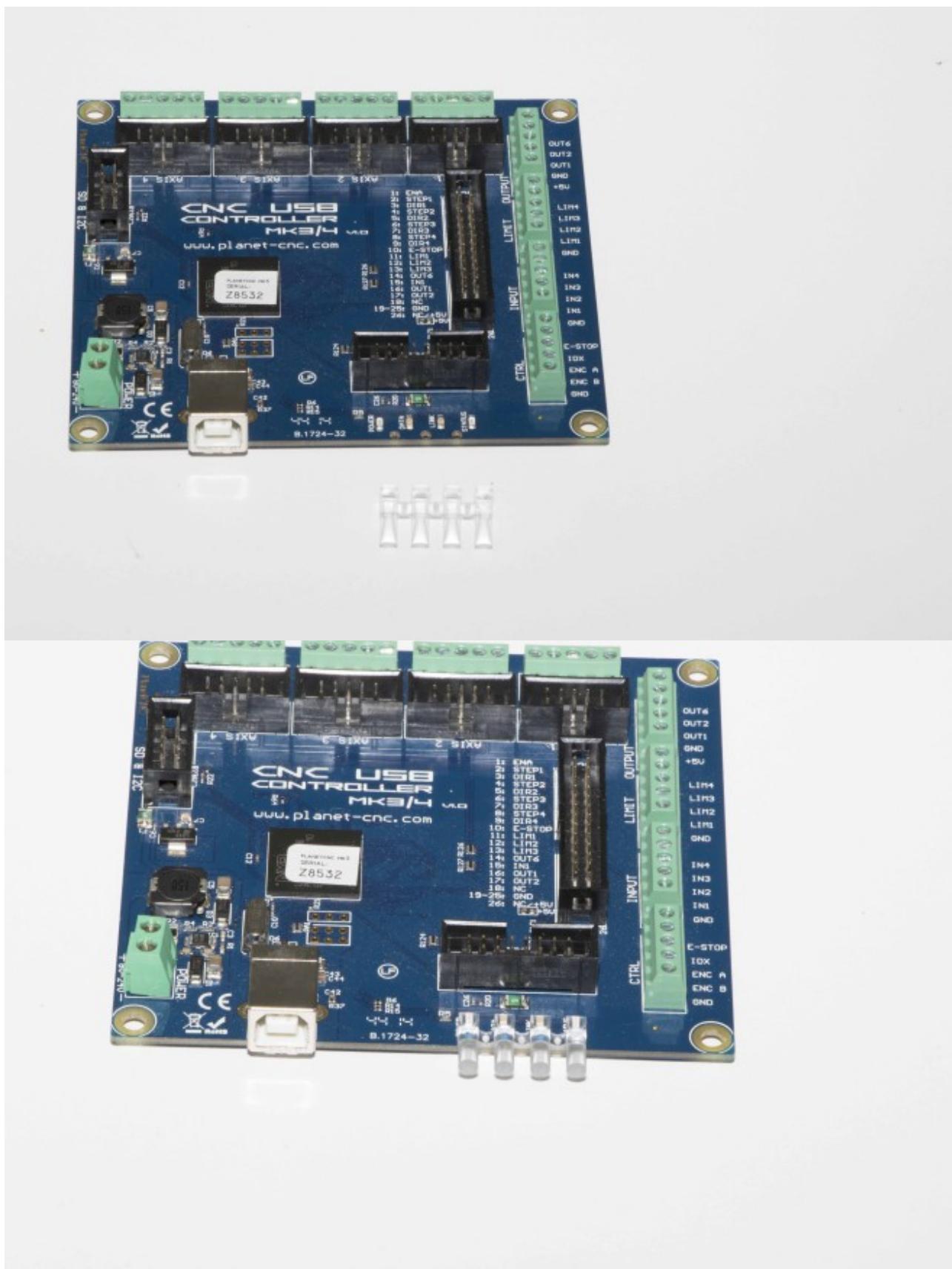
Step 26:

When all wires are in place, screw front panel in place.



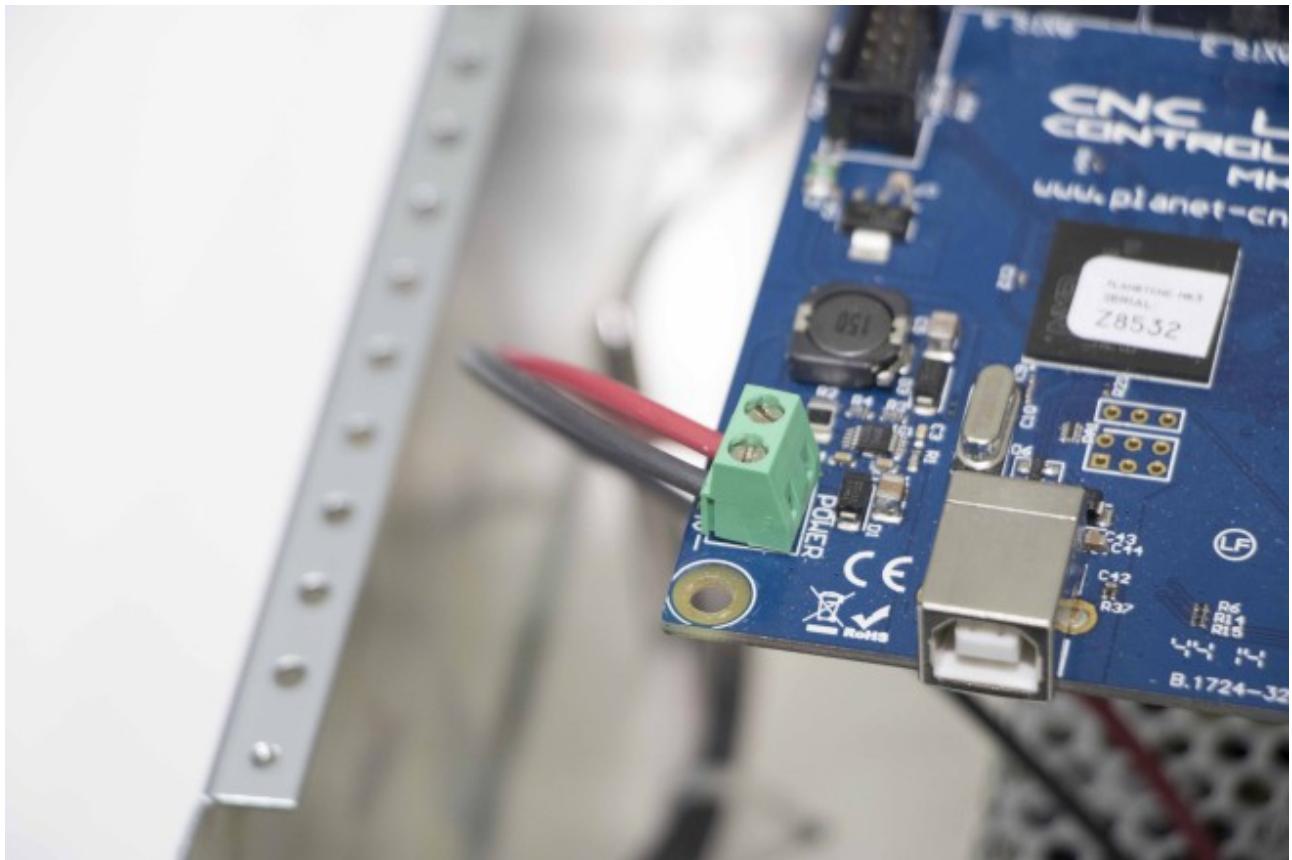
Step 27:

Now it is time to mount controller. Put led pipe to controller.



Step 28:

Connect controller power supply. Be careful on polarity.



Step 29:
Screw controller in place(Basic kit):

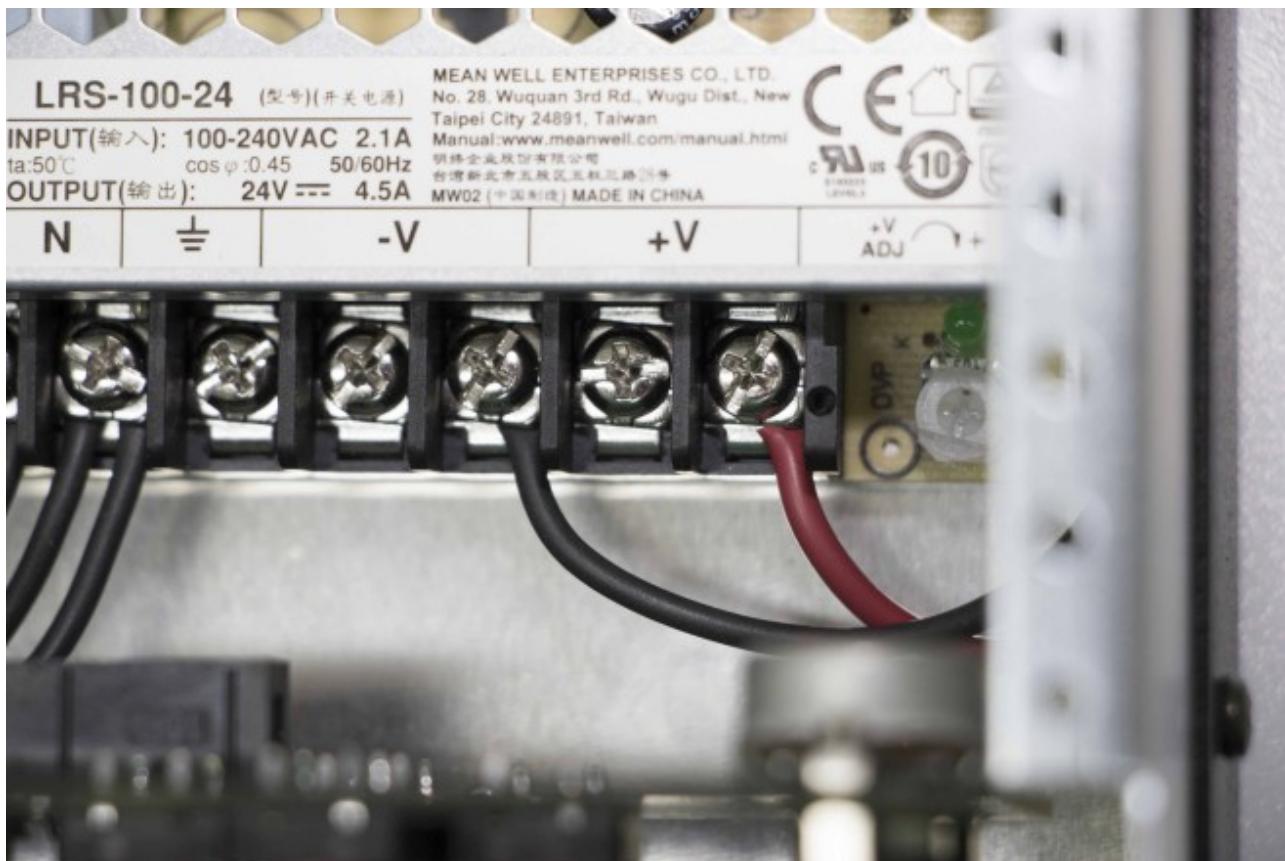


(Advanced kit):



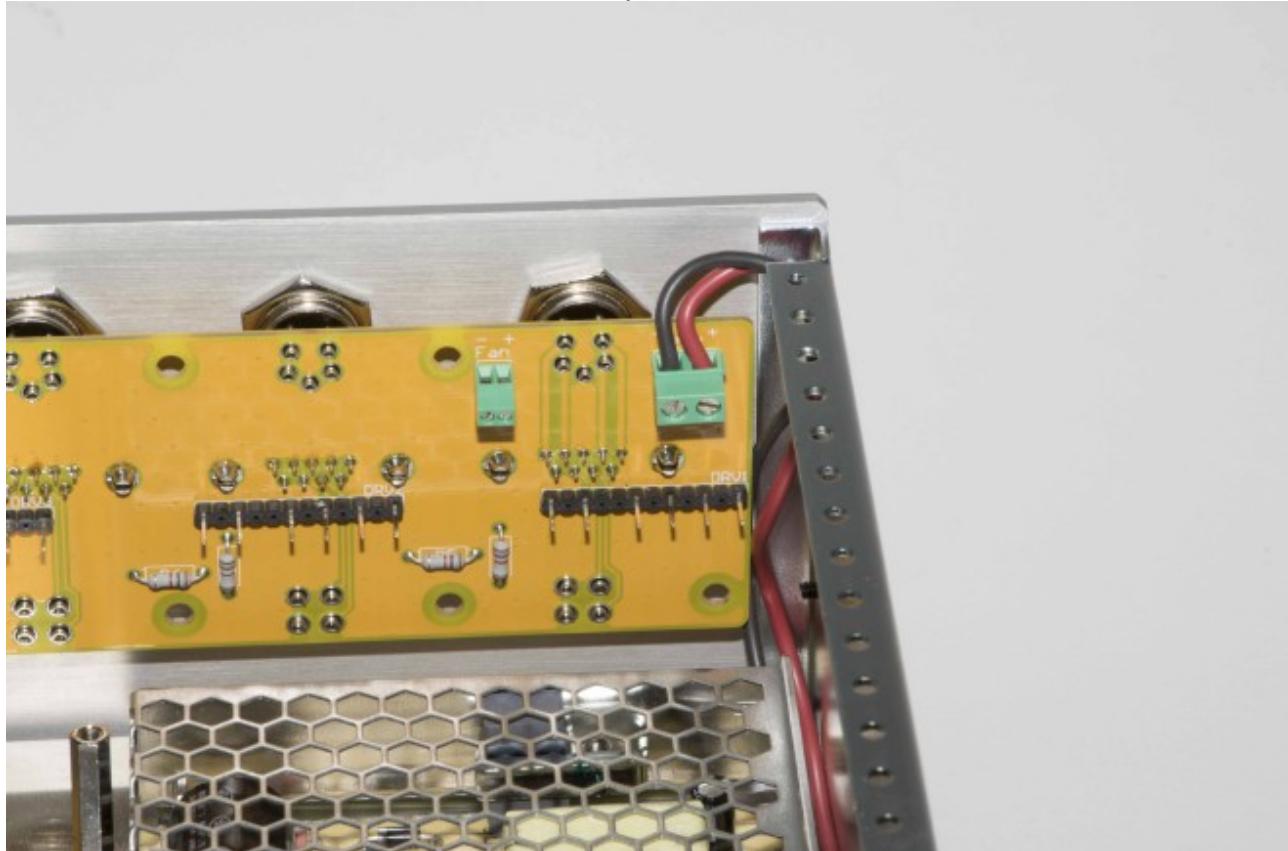
Step 30:

Connect wires to big power supply terminals V+ and V-.

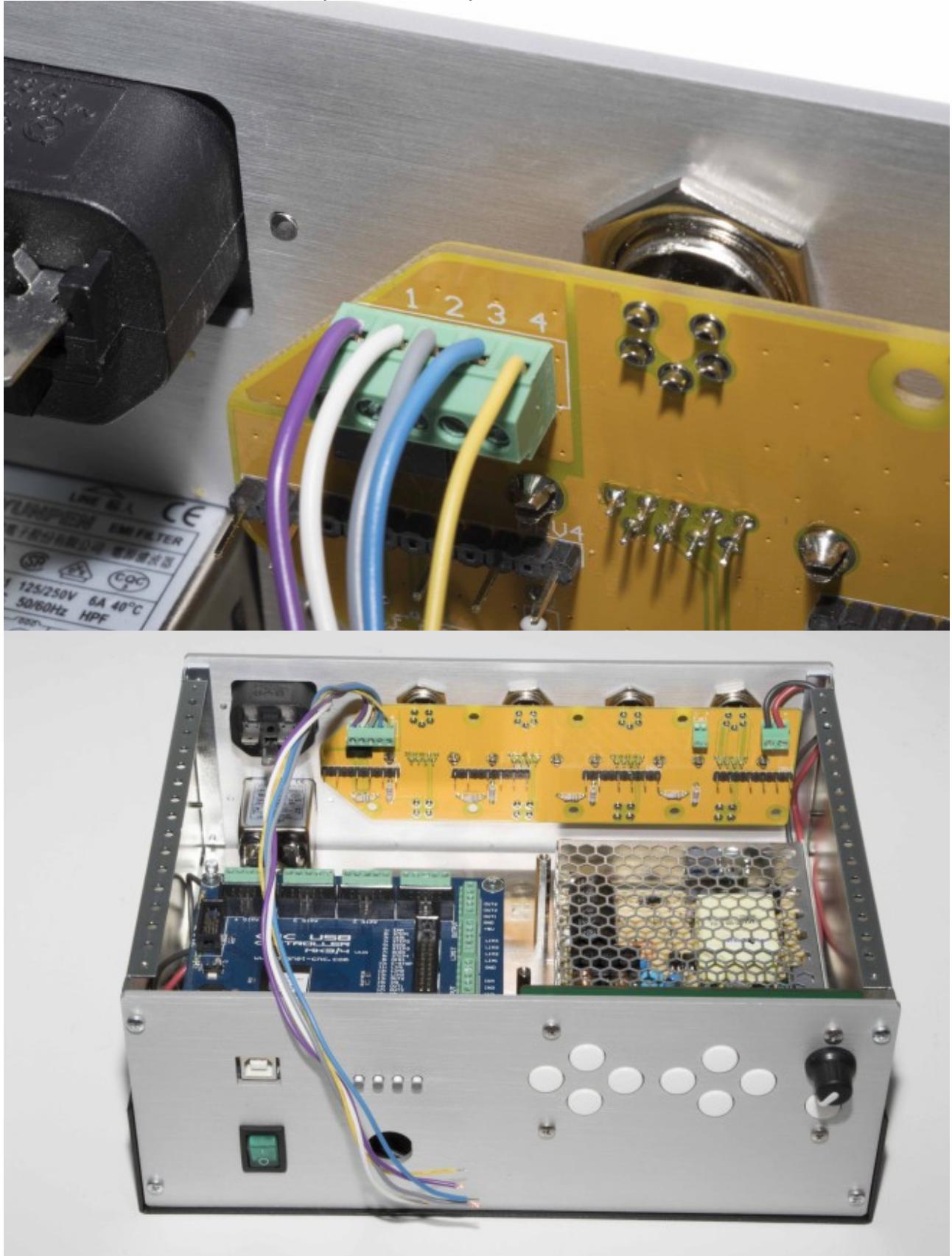


Step 31:

Connect wires of V+ and V- to driver mount panel terminals + and – 24V.

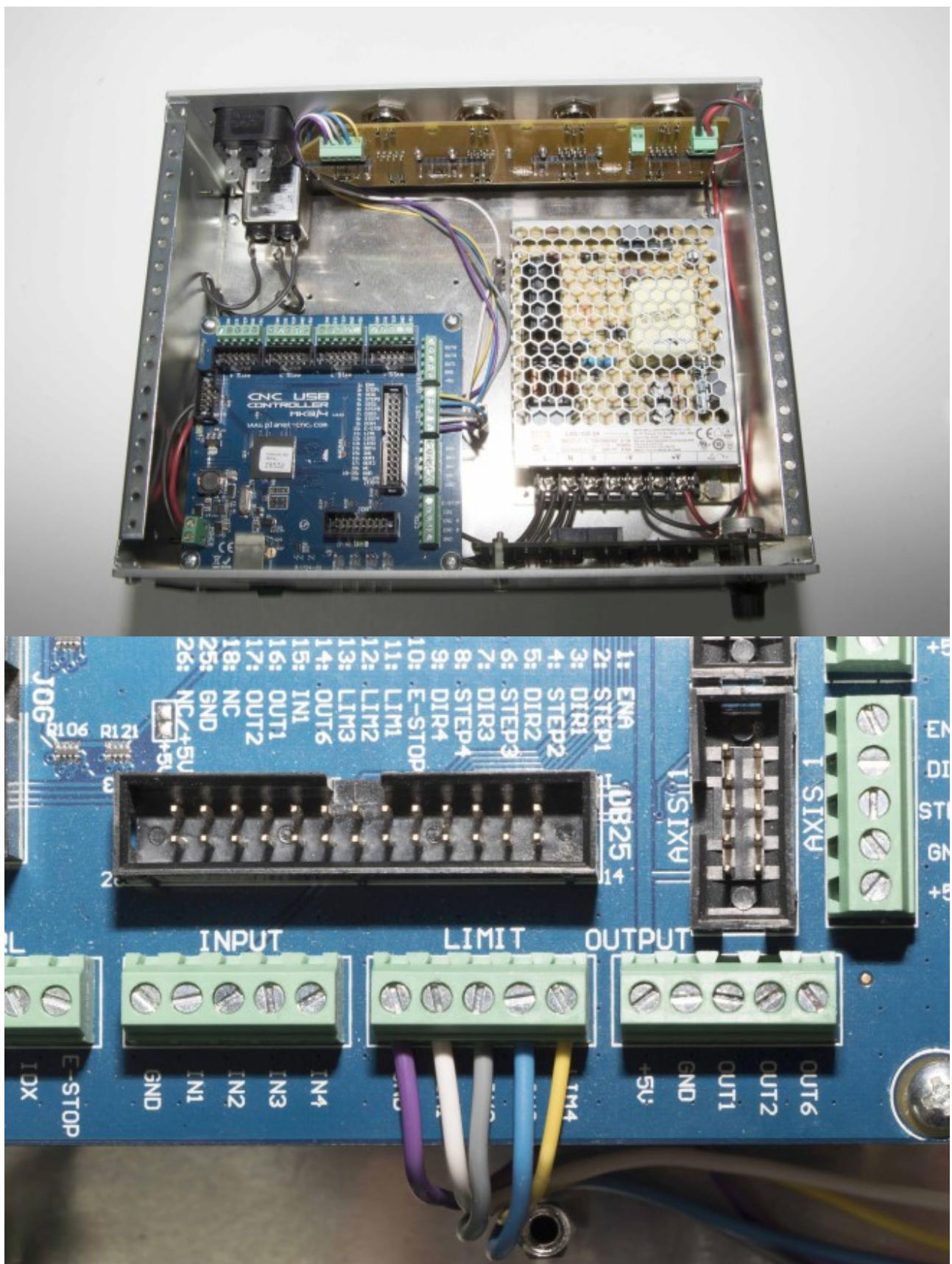


Step 32:
Connect wires to driver mount panel limit outputs.



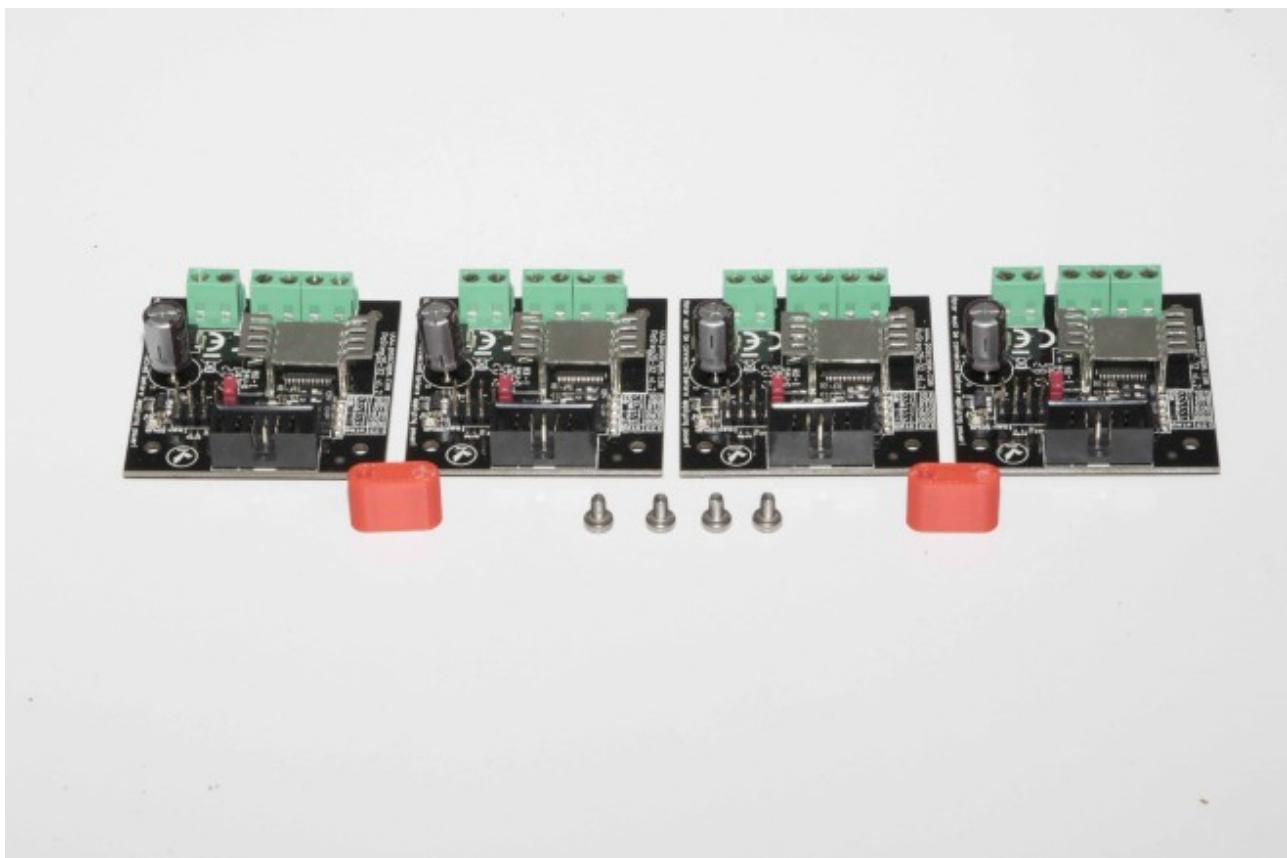
Step 33:

Now connect these wires with controller limit inputs. Make sure that number of limit output pin from driver mount panel matches number of limit input on controller.



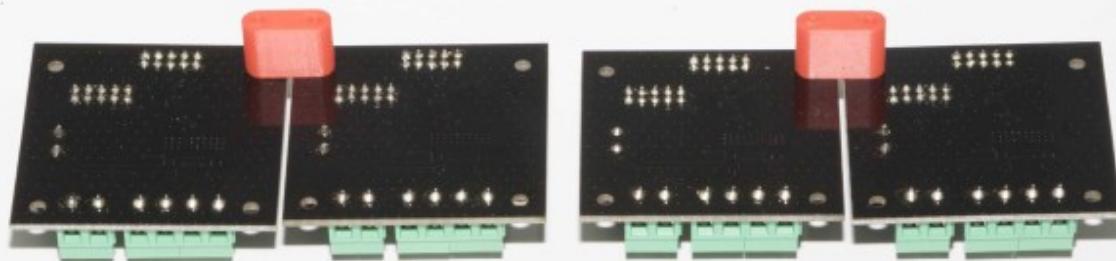
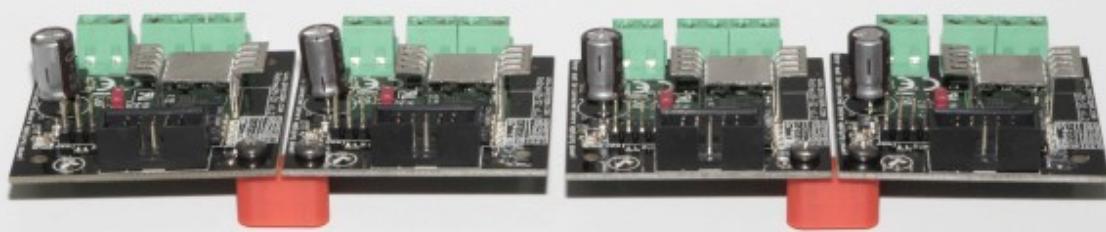
Step 34:

Take 4 stepper drivers, 4 screws and 2 plastic joiners.



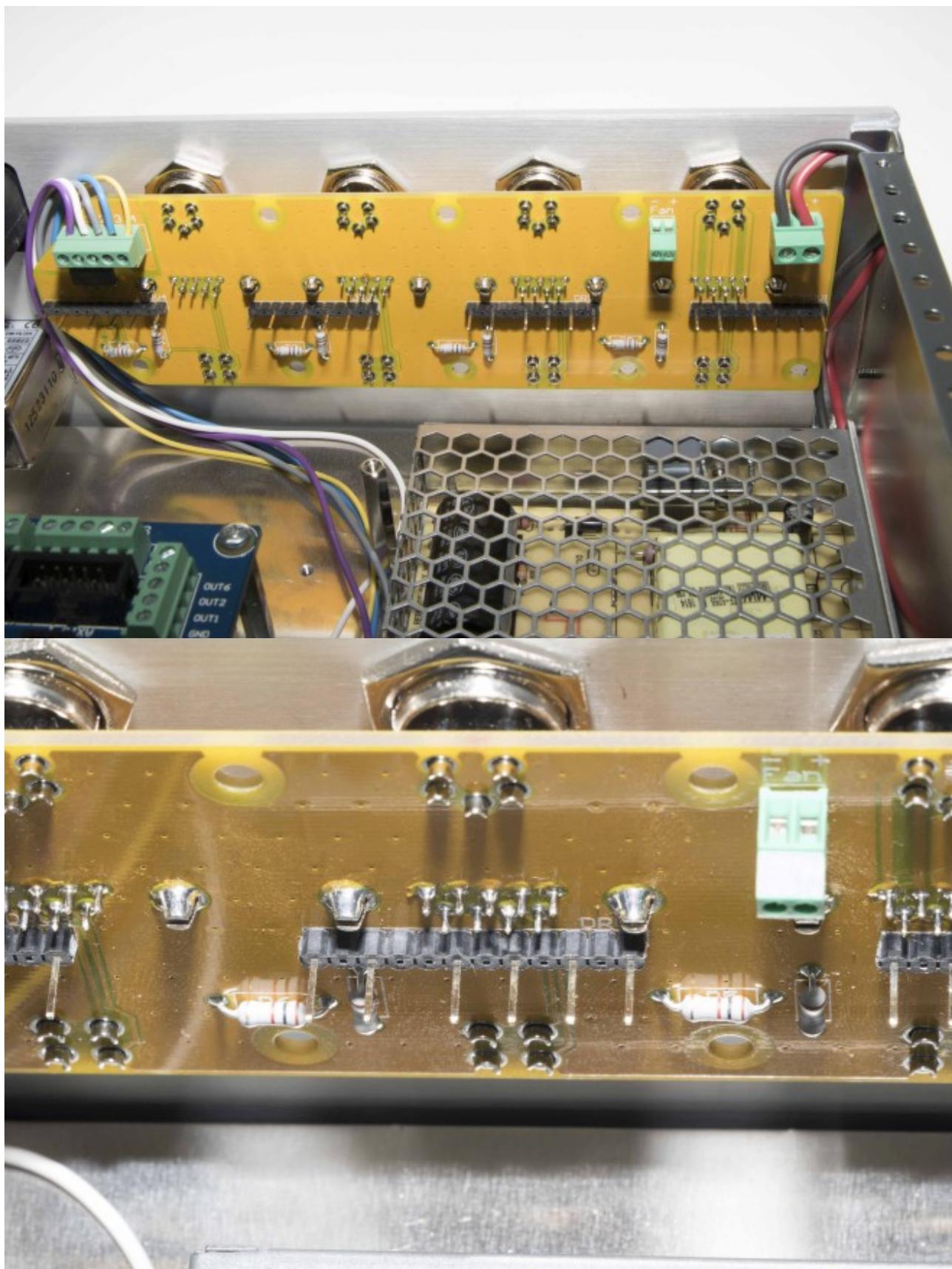
Step 35:

Now by using plastic joiners connect 2 drivers together so that you will have 2 pairs of stepper drivers.



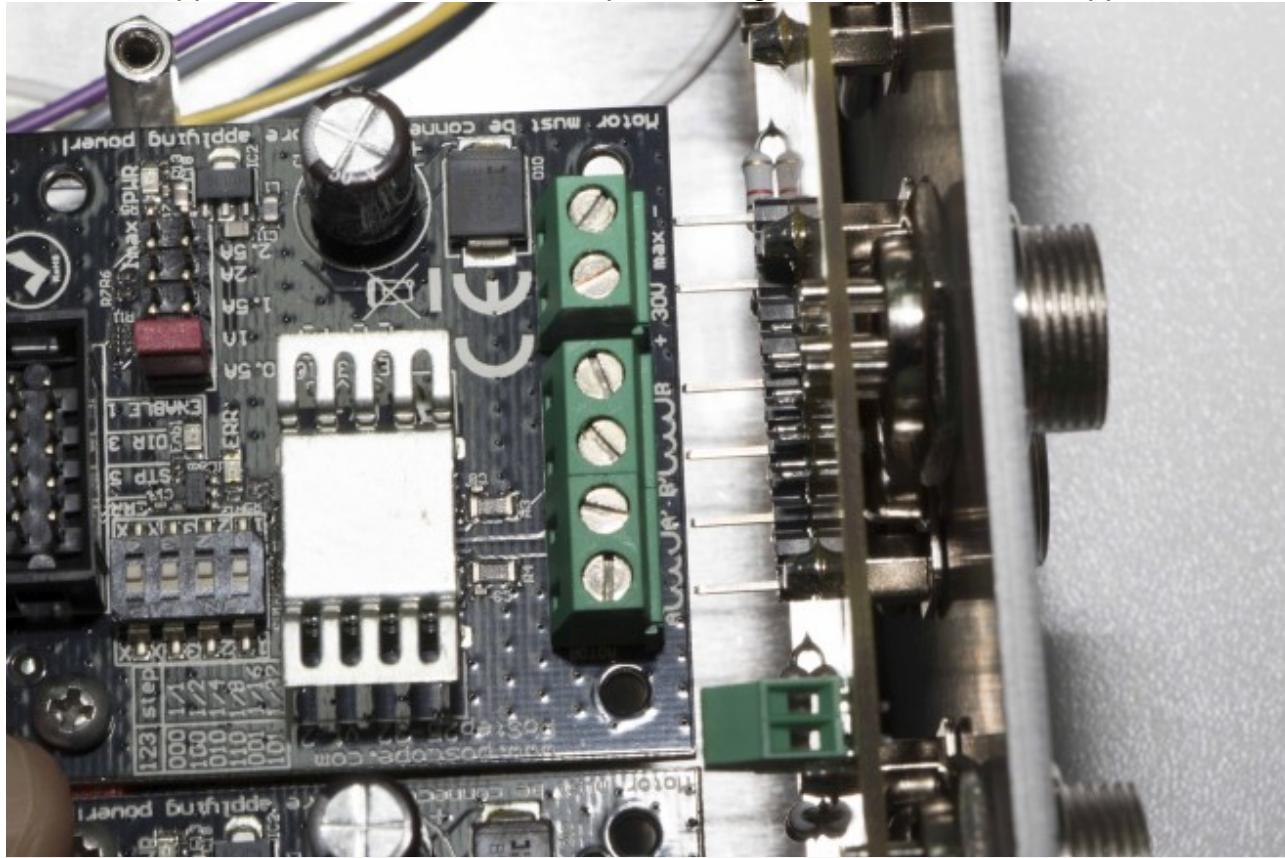
Step 36:

Stepper drivers will be connected/mounted with driver mount panel.



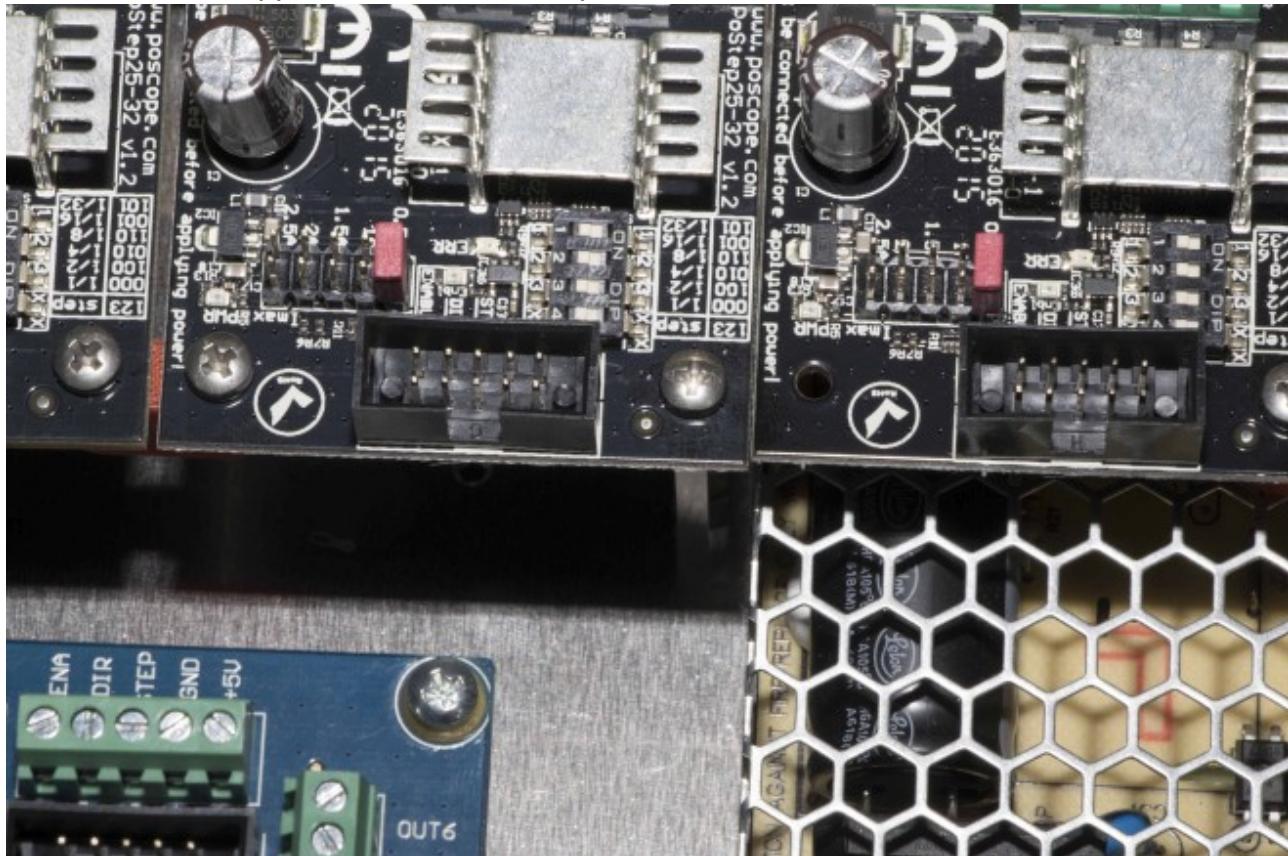
Step 37:

Connect stepper drivers with driver mount panel using screw terminals of stepper drivers.



Step 37:

Screw second stepper driver from left to pillar.



Step 38:

Take 4x10pin flat cables and connect stepper drivers with controller axis output headers.

