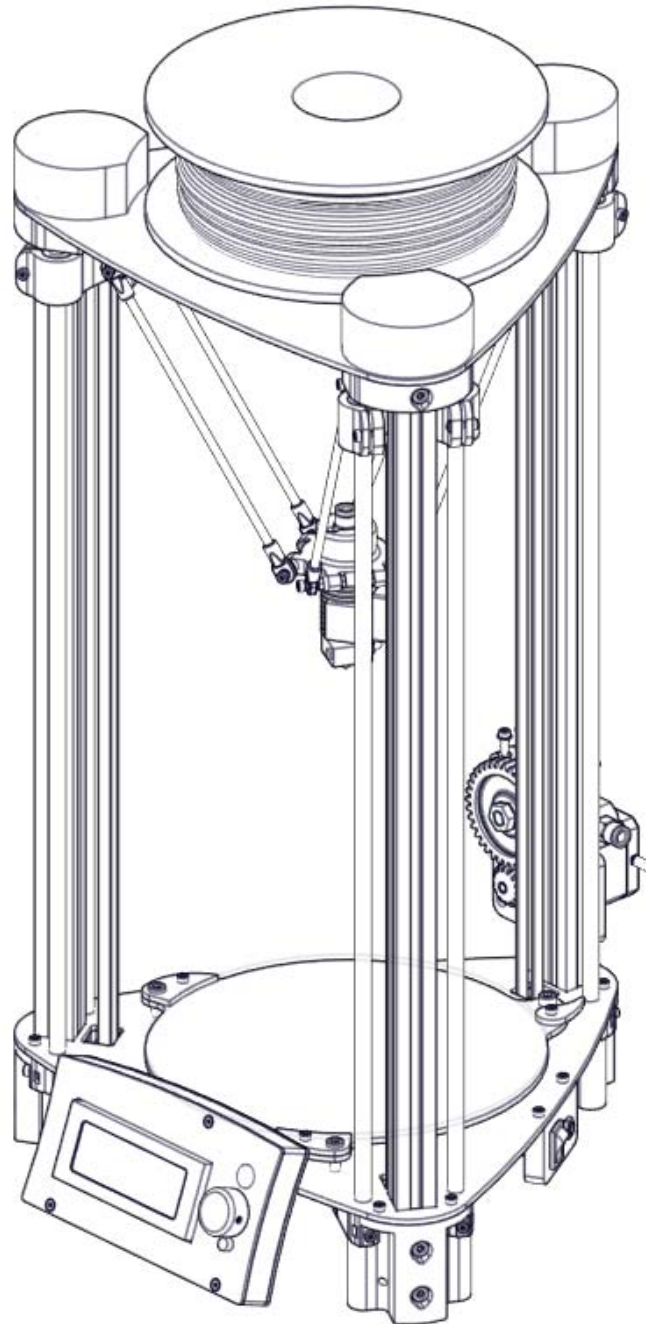


# 6 BCN3DR ASSEMBLY GUIDE

## WIRING



# 1



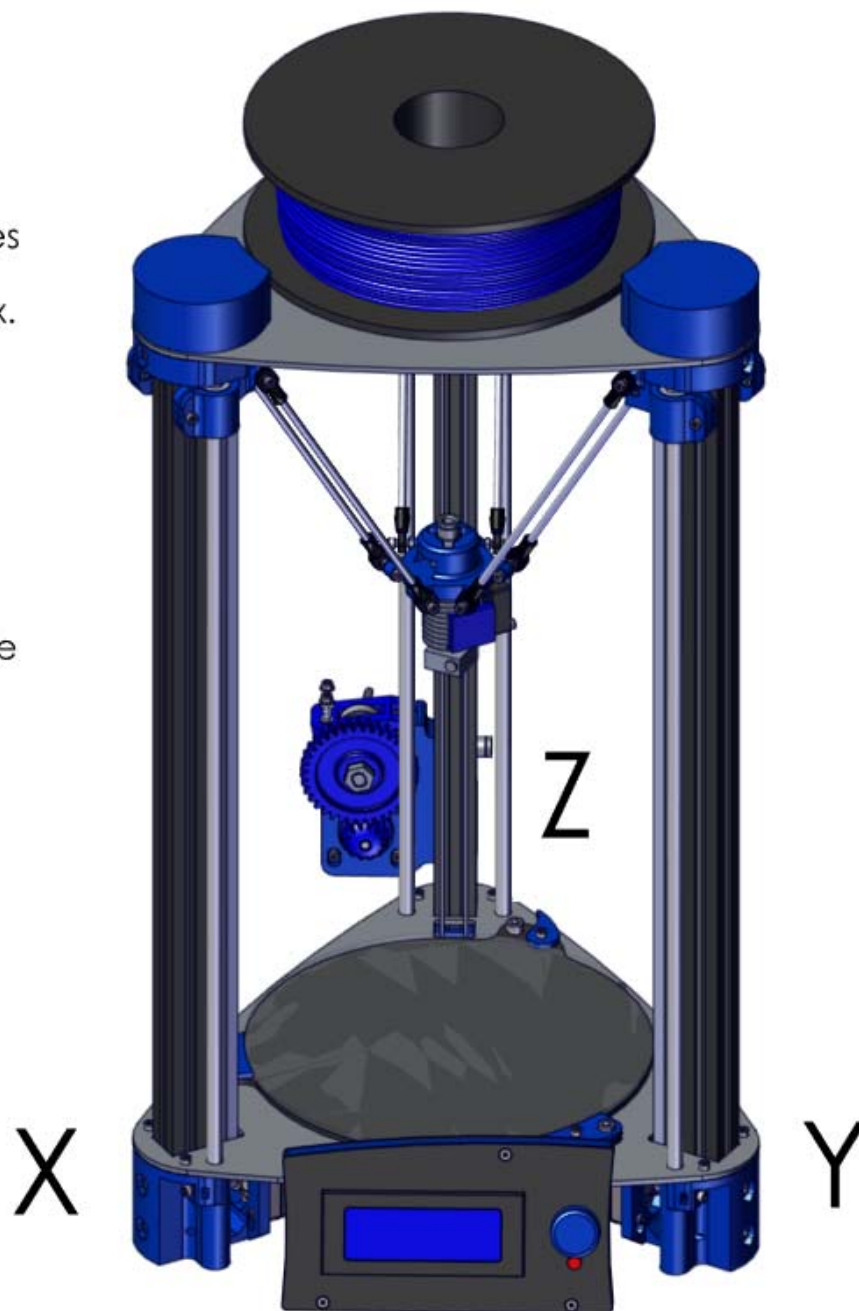
## Wiring procedure

In the upper right corner appear the names of the cables that will be needed at each step. These names correspond to the names of the cables bags from the electronic box.

It is important to pay attention to the situation of the three axes of the machine (X, Y and Z) according to this picture.

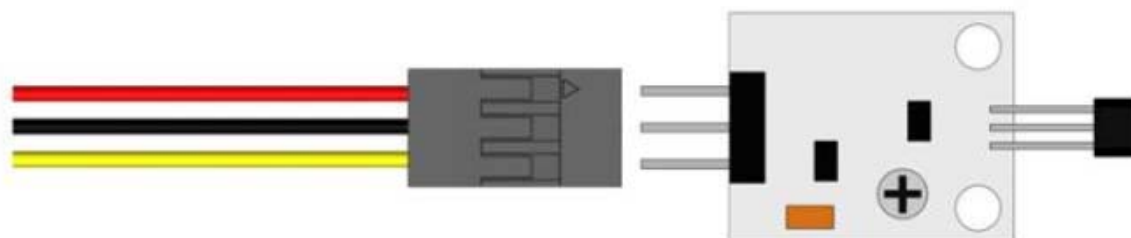
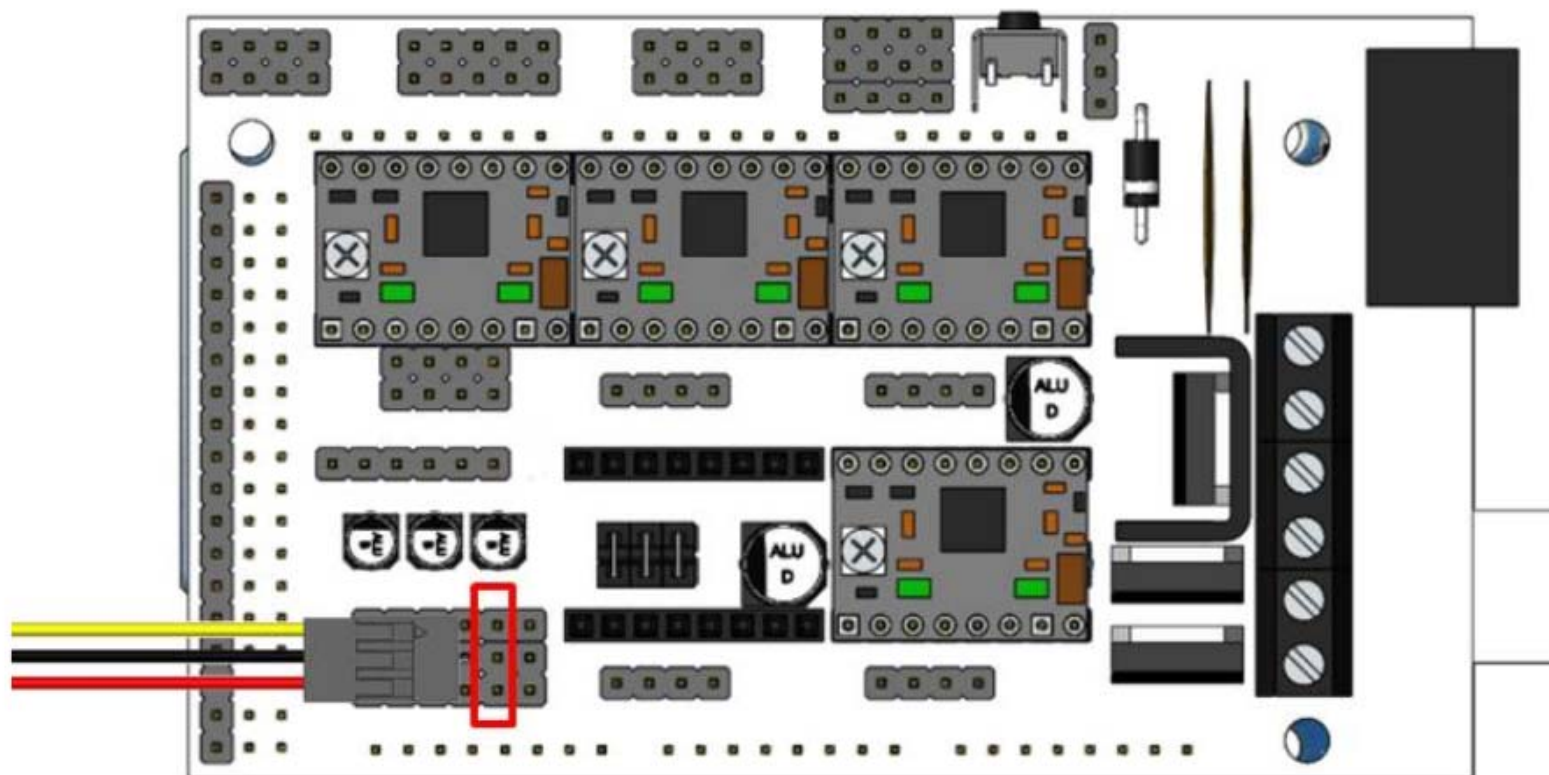
Pay attention to the orientation of the connectors and color coding.

Be sure to connect the elements in the highlighting place from the electronics.



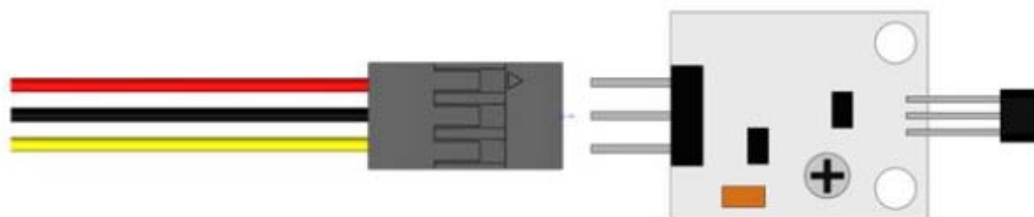
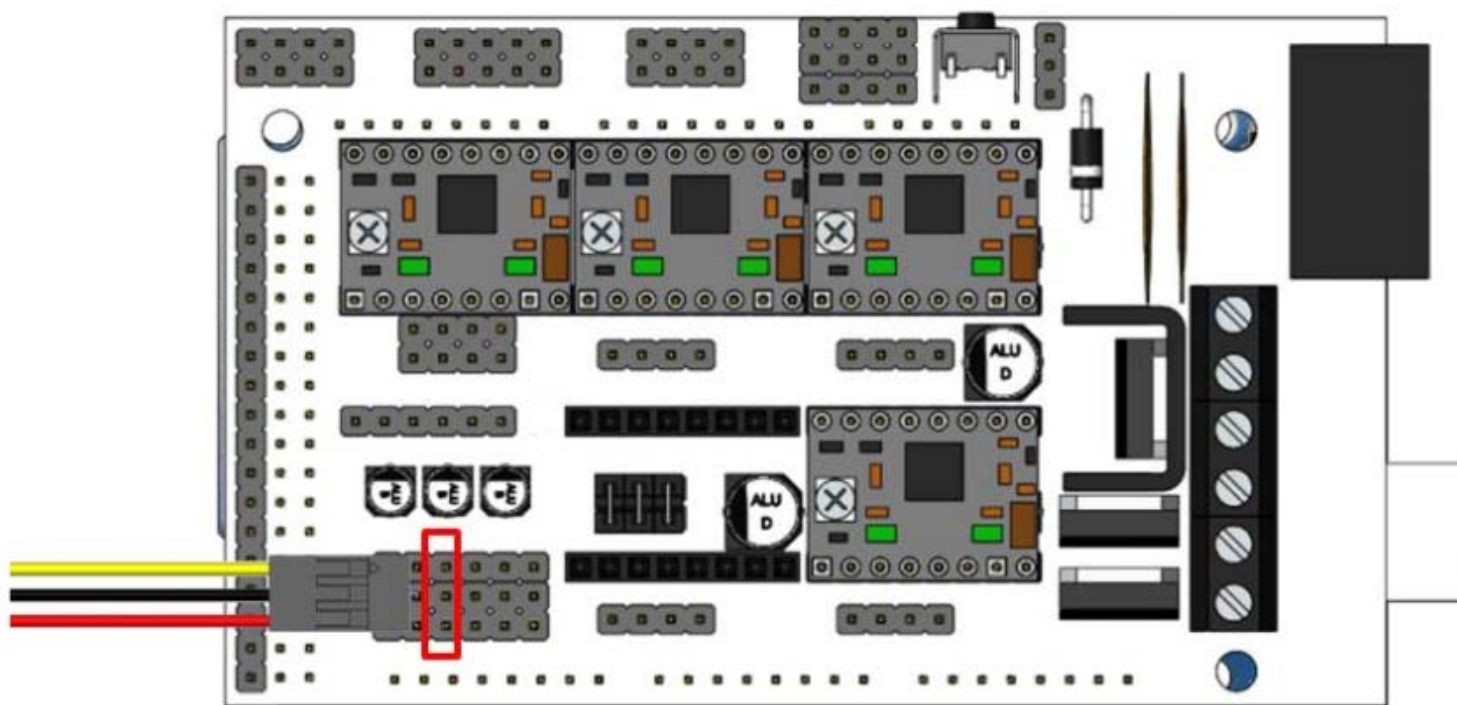
2

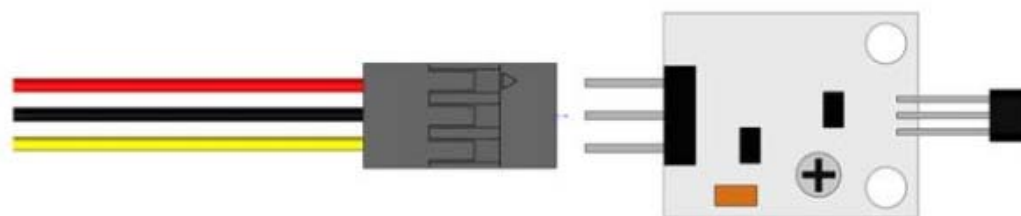
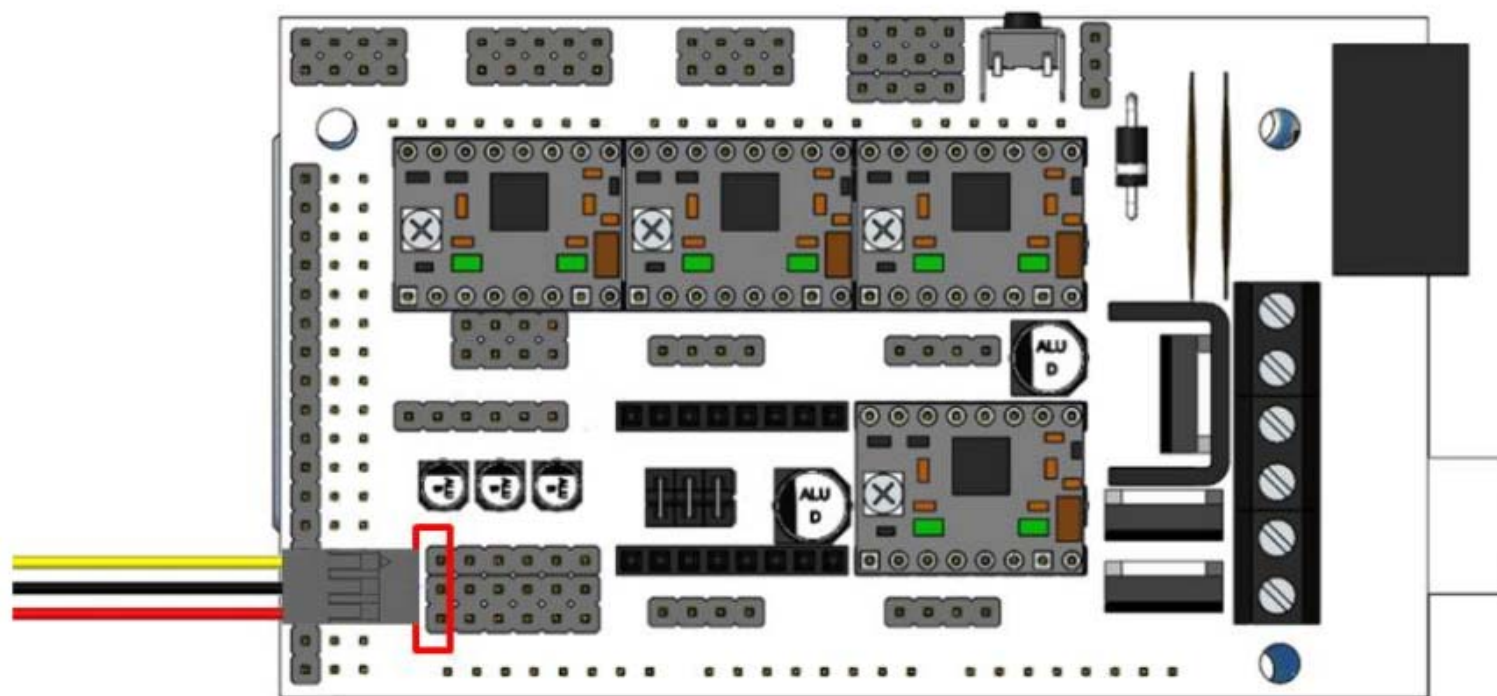
X endstop



3

Y endstop

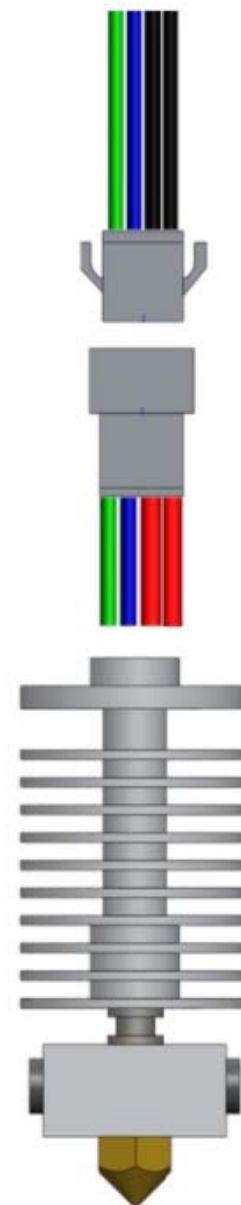
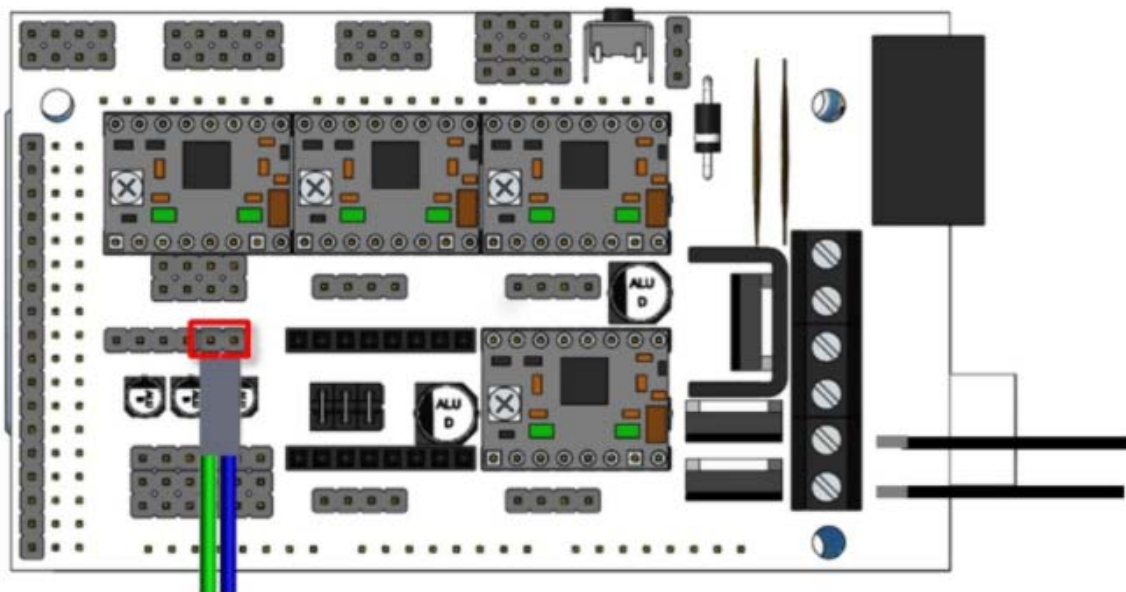




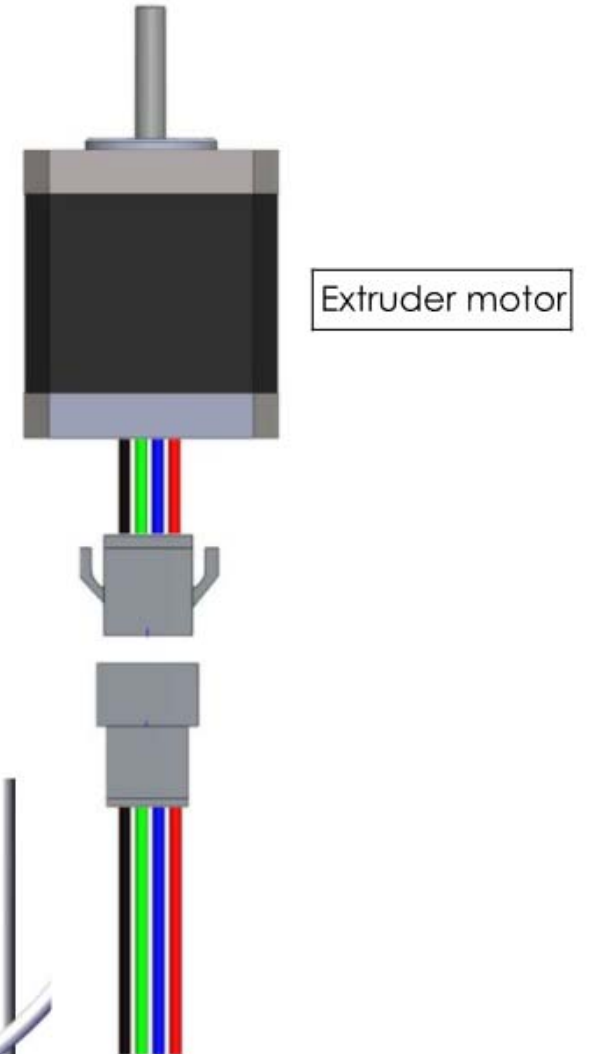
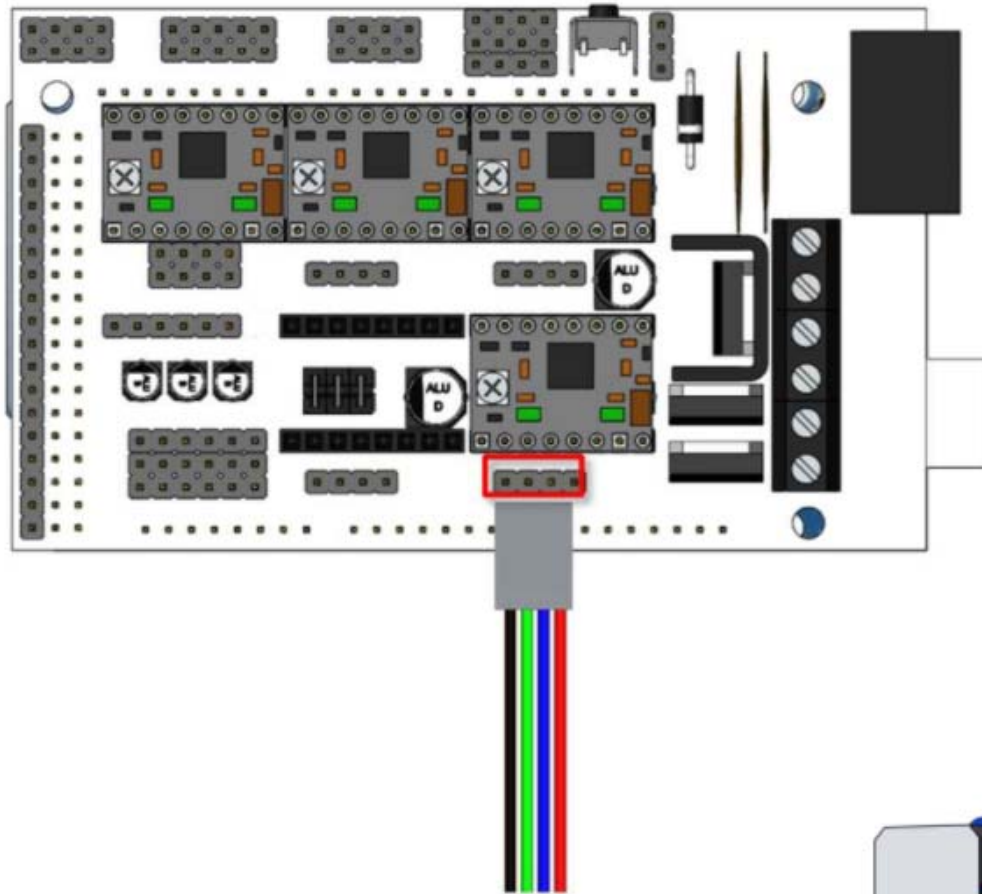


5

Hotend



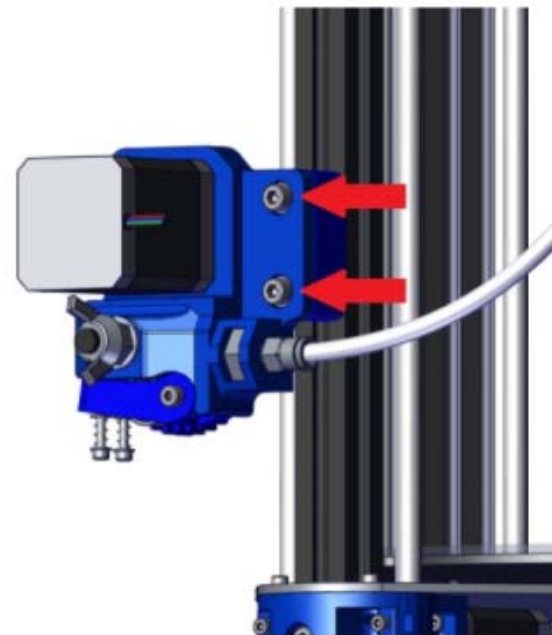
## Extruder Stepper Extender

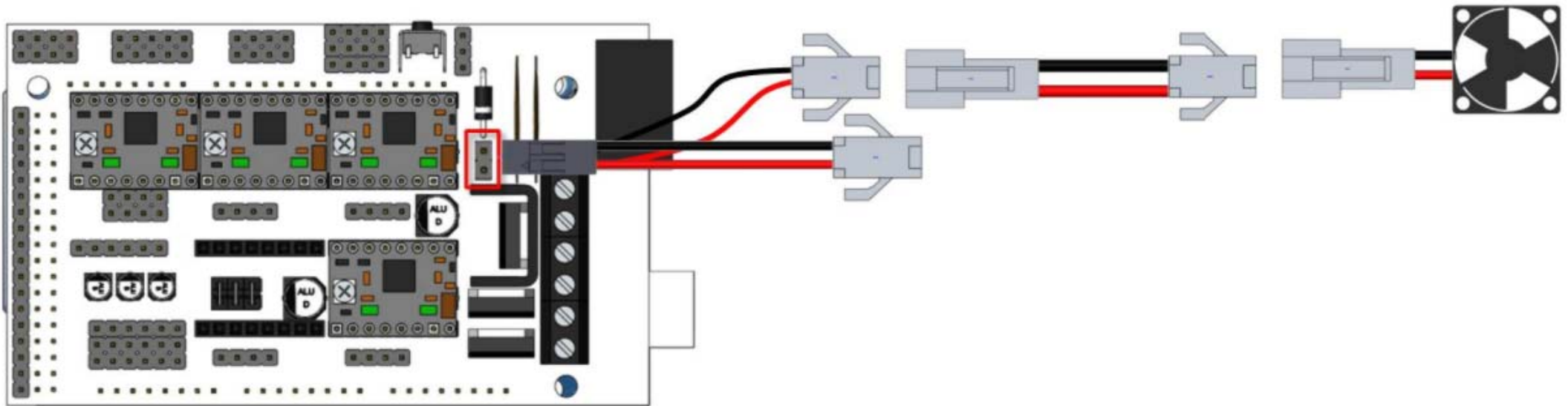


Extruder motor

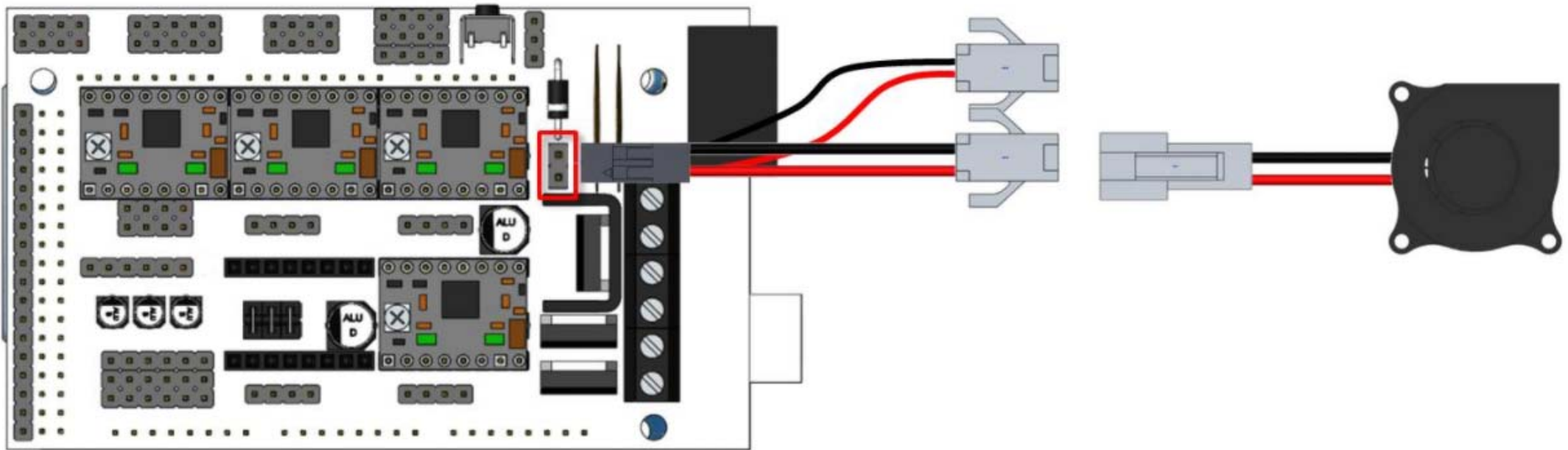


If the cable extruder stepper extender connected to the motor is short or long you should adjust the extruder height.

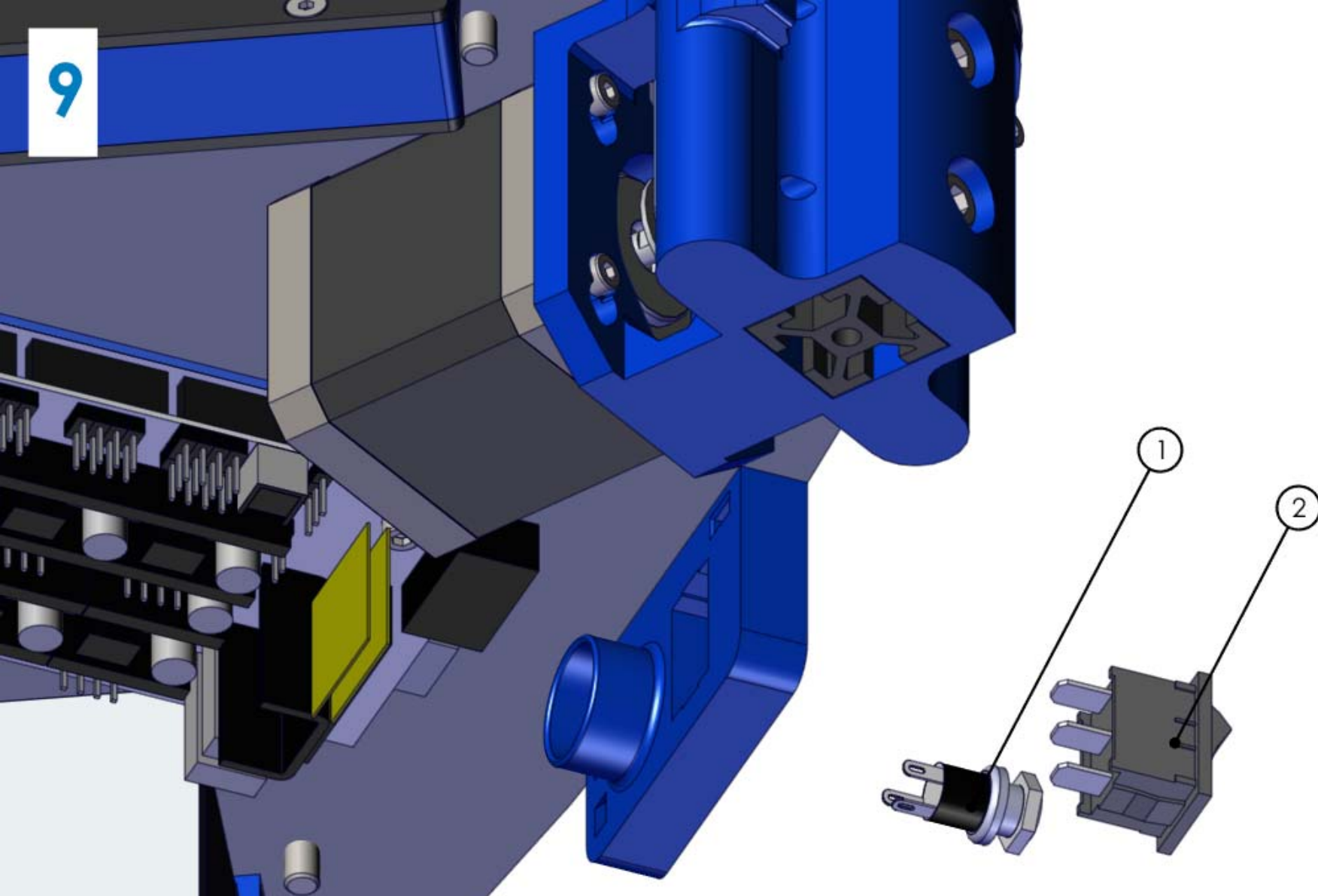




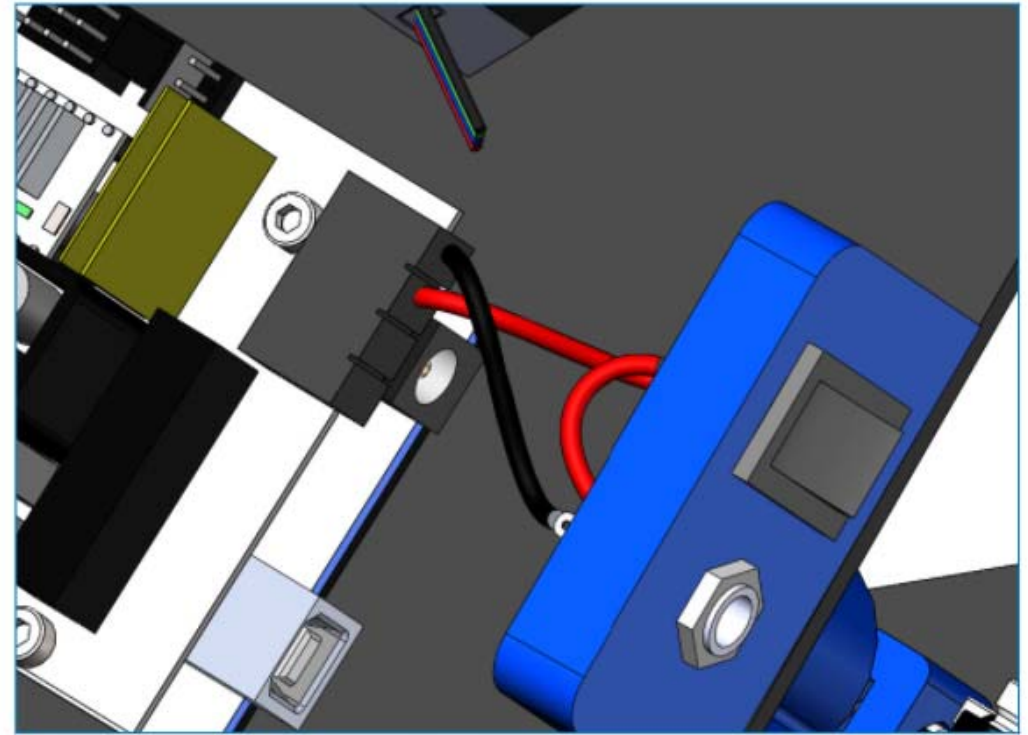
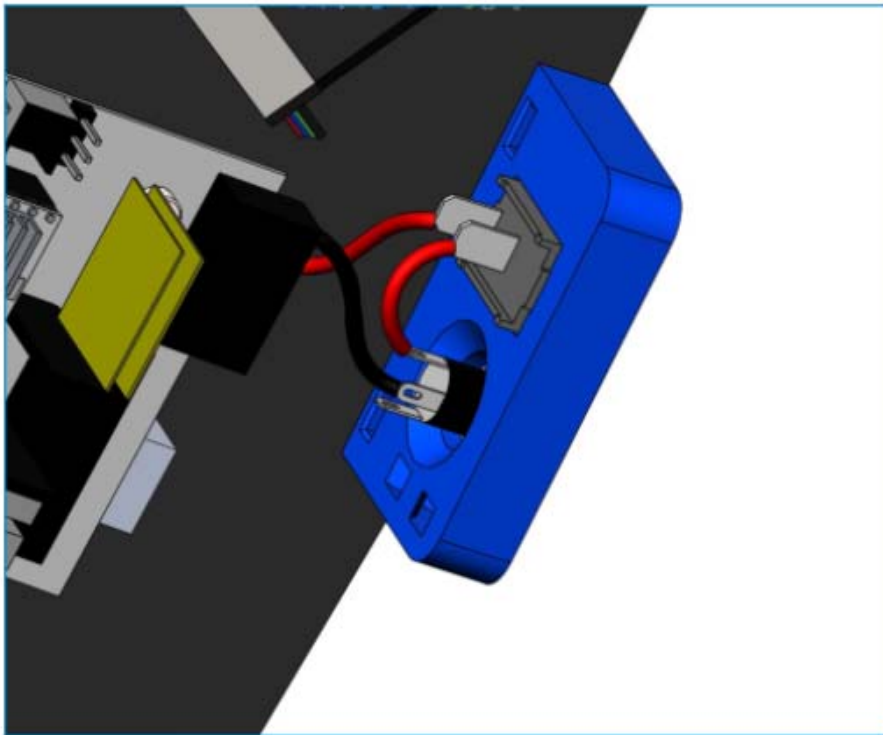


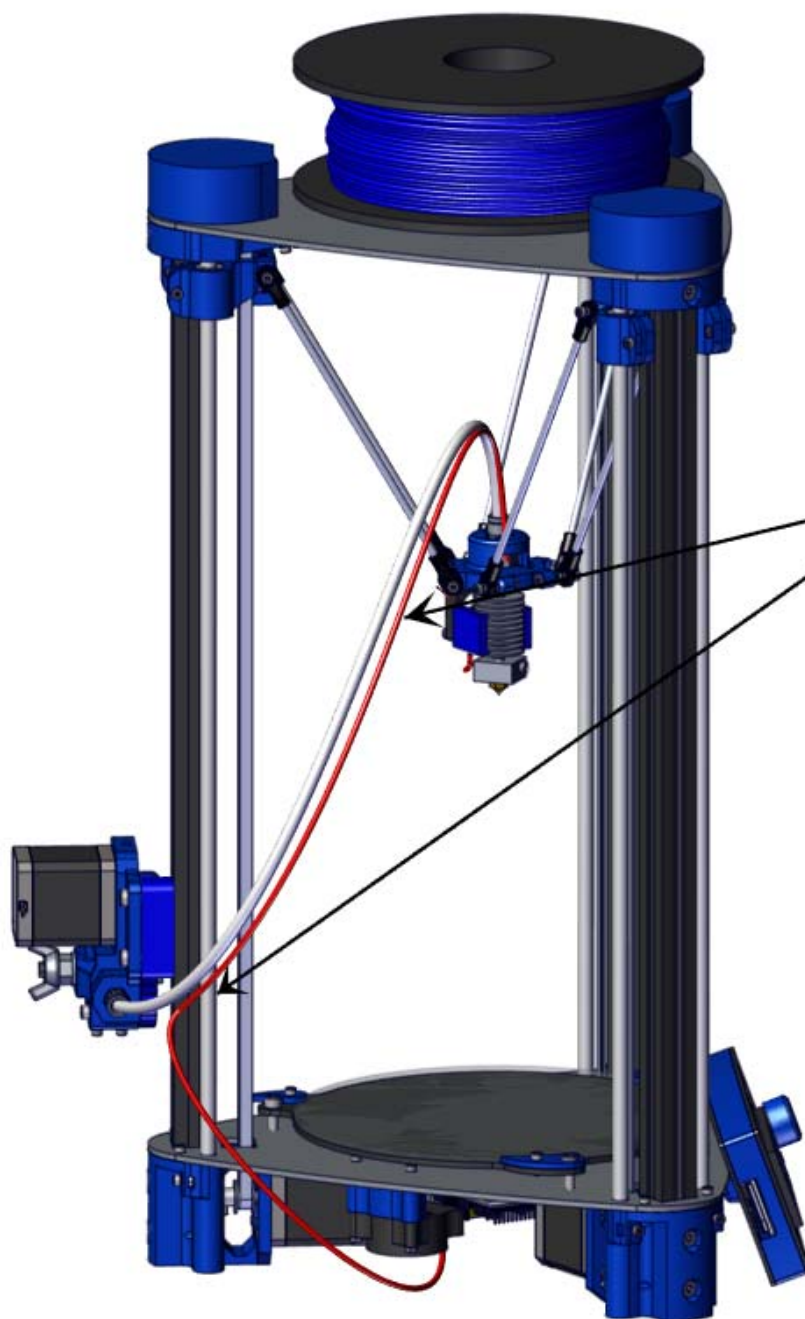


9

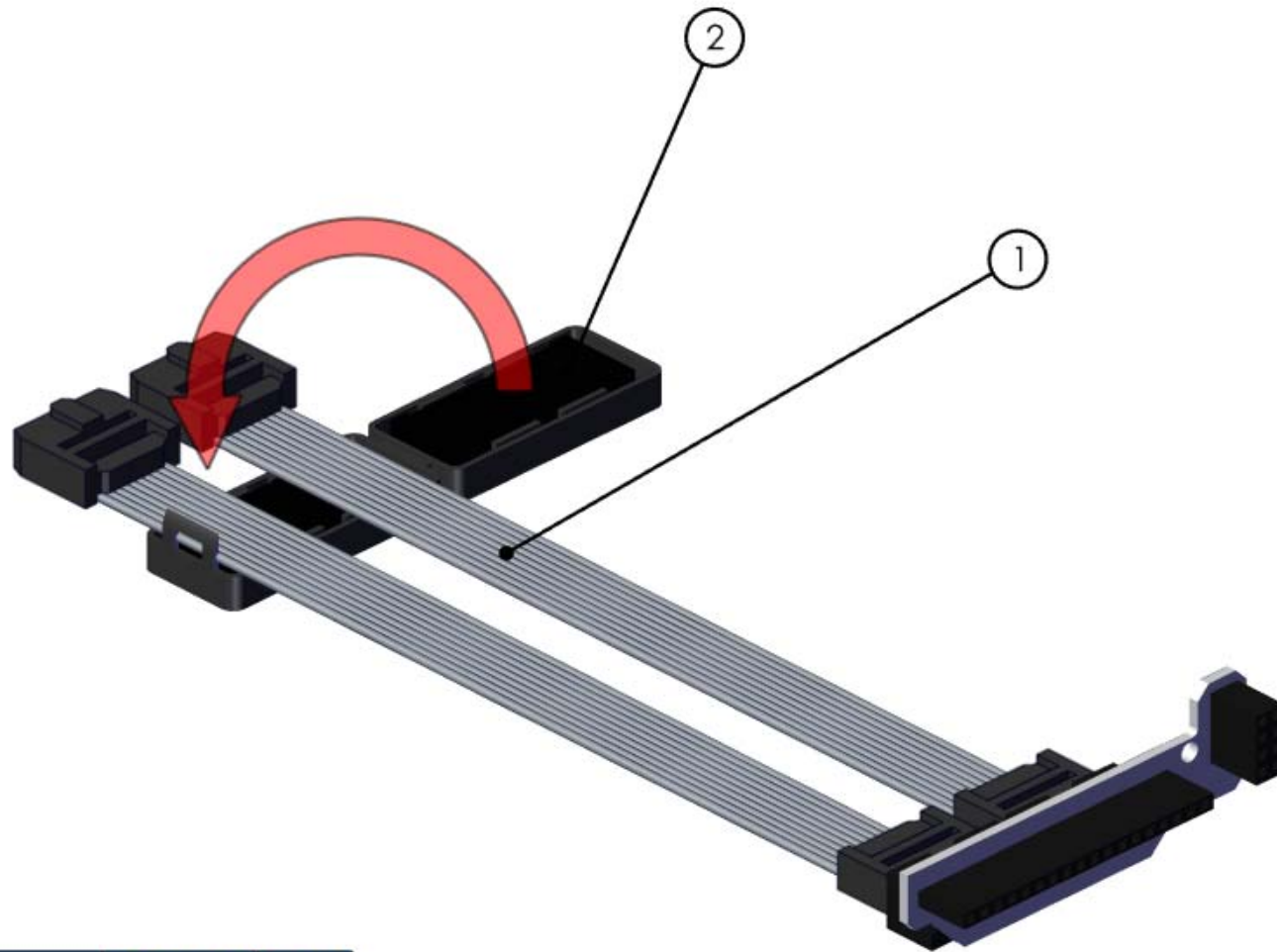


Description	BOM ID	Qty
Conector DC	1	1
Interruptor	2	1



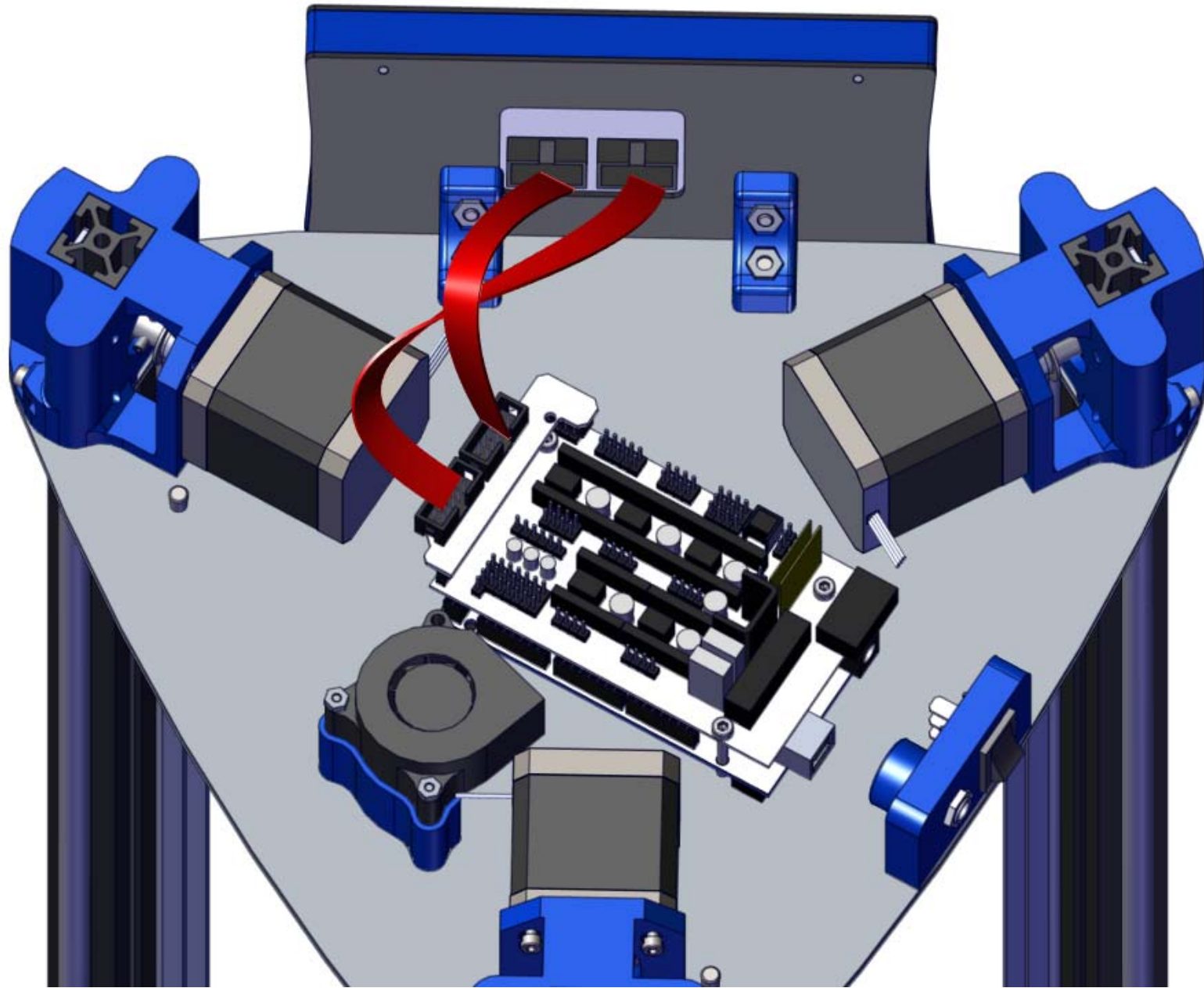


Place two flanges at the indicated points, not place flanges on the nearest part to hotend that could hinder the axis movement.



Description	BOM ID	Qty
LCD cable	1	1
Ferrita ZCAT3618-2630D	2	1







Enter the three magnets in the holes, the screw installed previously will keep the magnet in place.

Now we will verify if the polarity of the magnets is the correct:

1. Connect the machine to the power and turn it on.
2. We should see how the green LEDs of the magnetic endstop are turned on.
3. Manually move the three "carriage" that support the magnets toward the top to touch the endstop.
4. If we observe that the green LED turns off when approaching, the magnet will be correctly installed.
- 5.1. If otherwise no green LED turns off, you should remove the magnet with the screwdriver and rotate it. Retry step 4.
- 5.2. If on the other hand the LED on the limit switch does not turn off with neither sides of the magnet, check the connections.

