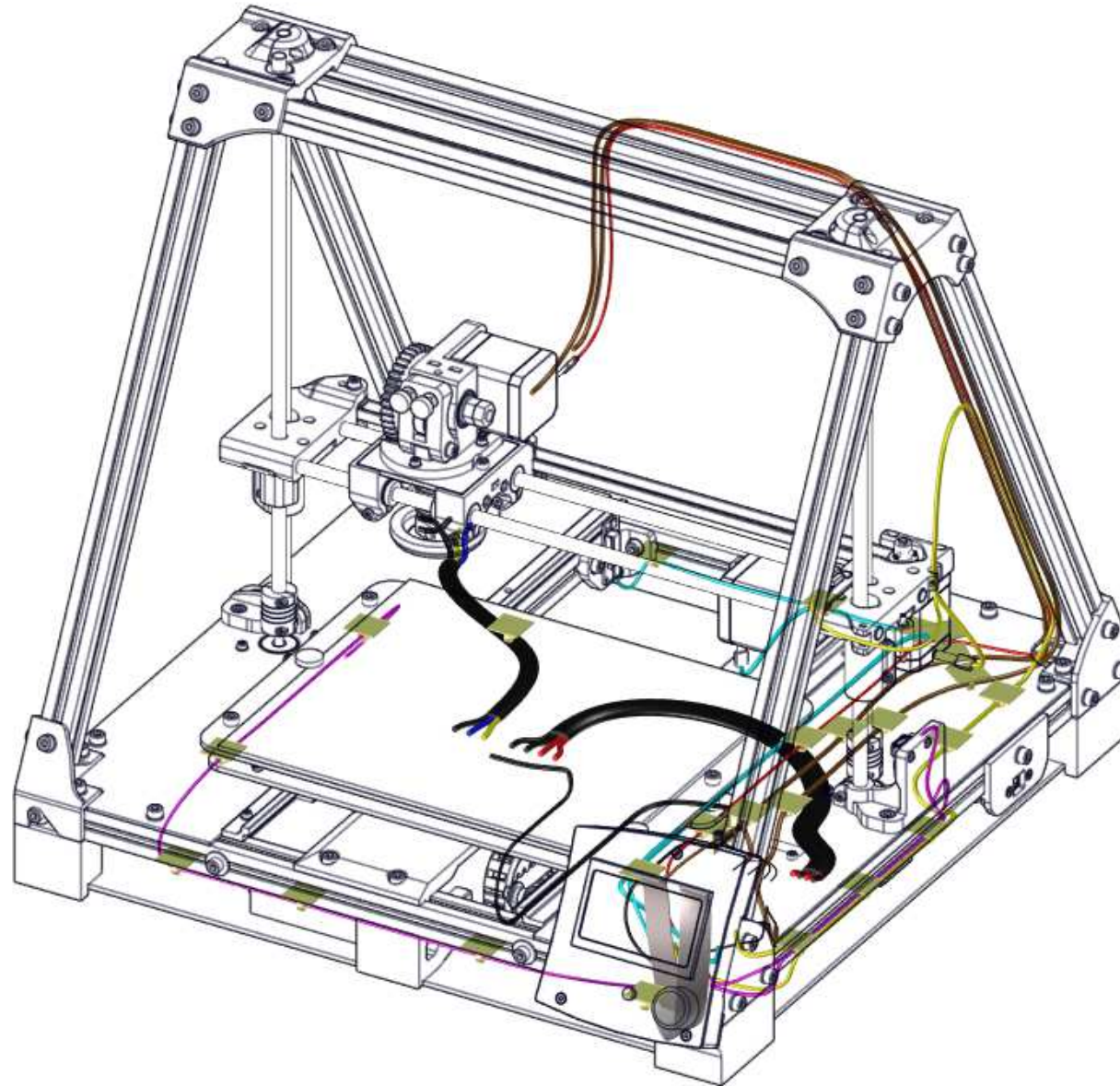


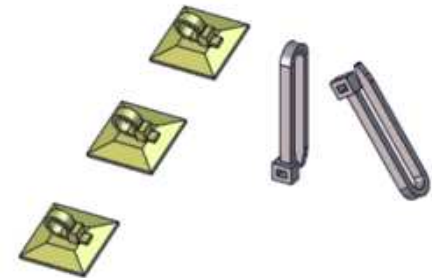
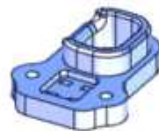
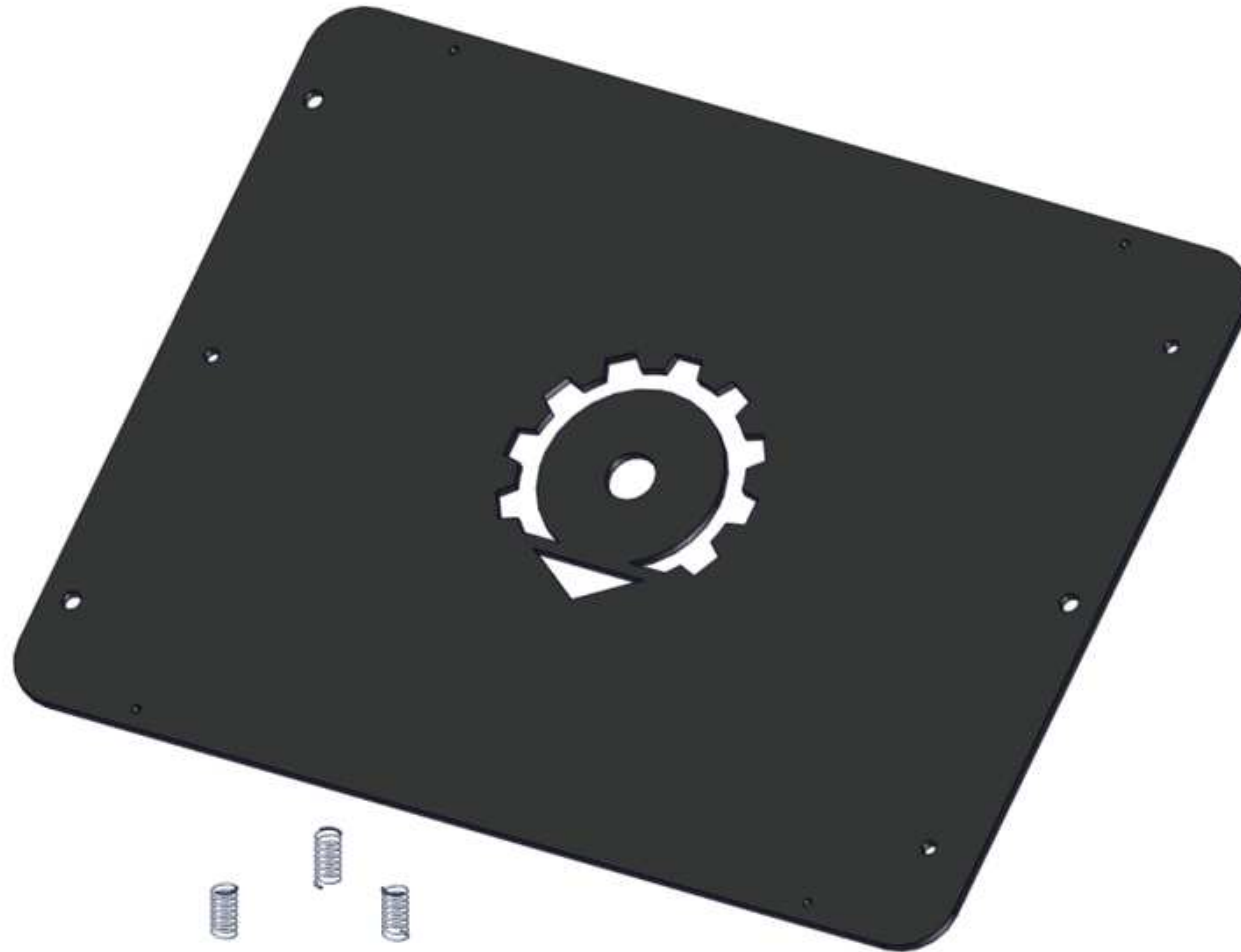
6 BCN3D+ ASSEMBLY GUIDE

WIRING

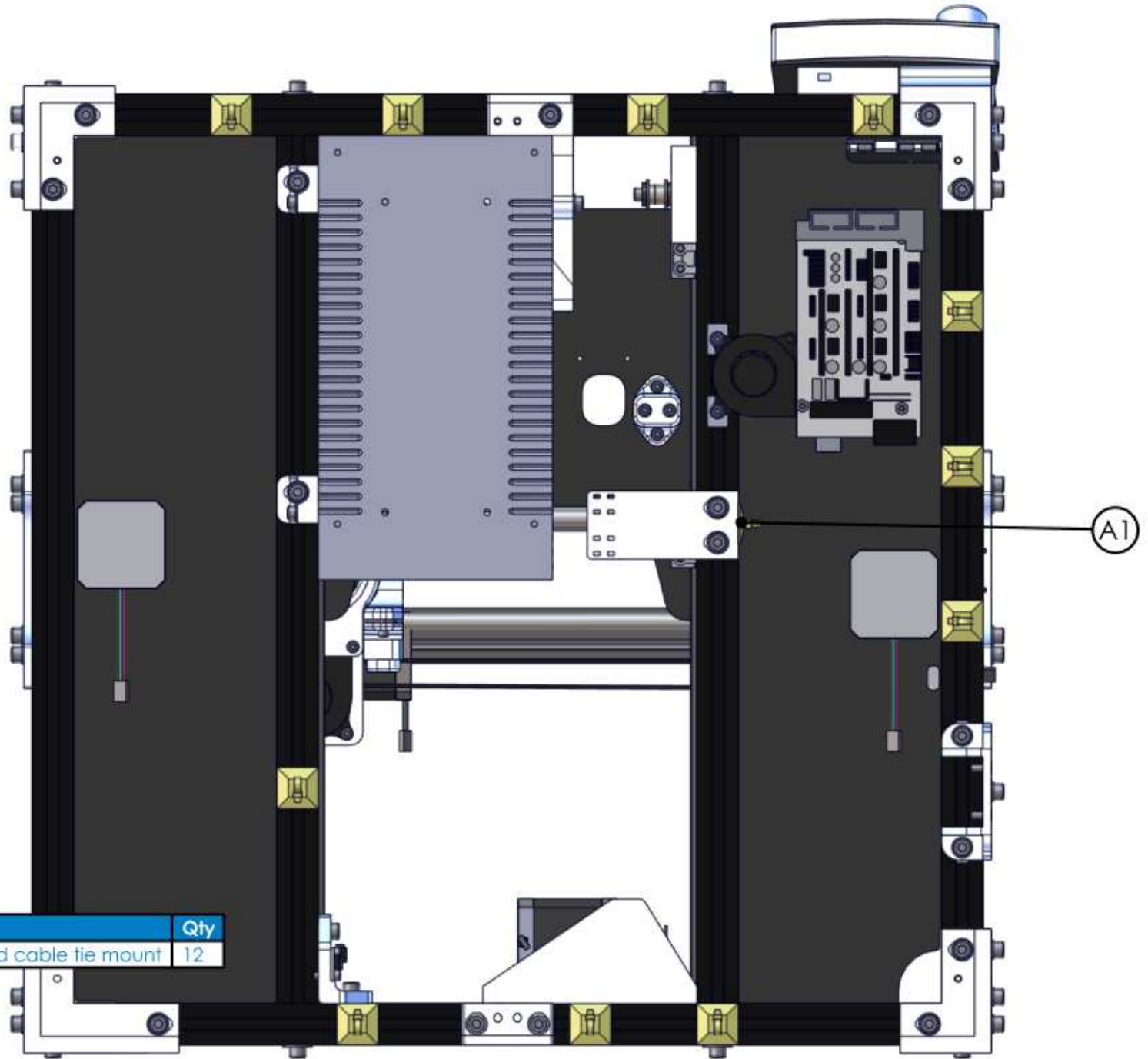


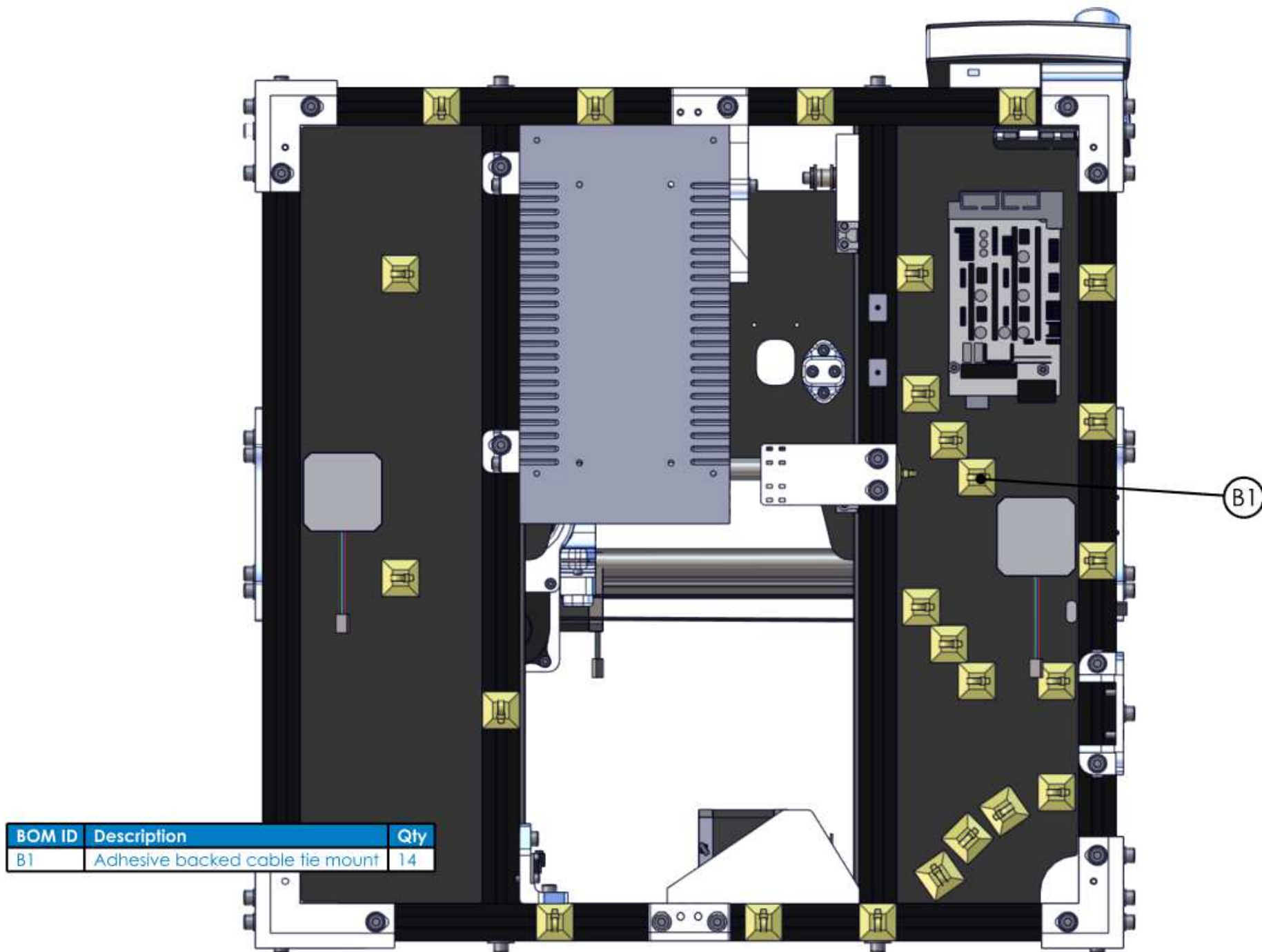
6 BCN3D+ ASSEMBLY GUIDE

WIRING



BOM ID	Description	Qty
A1	Adhesive backed cable tie mount	12



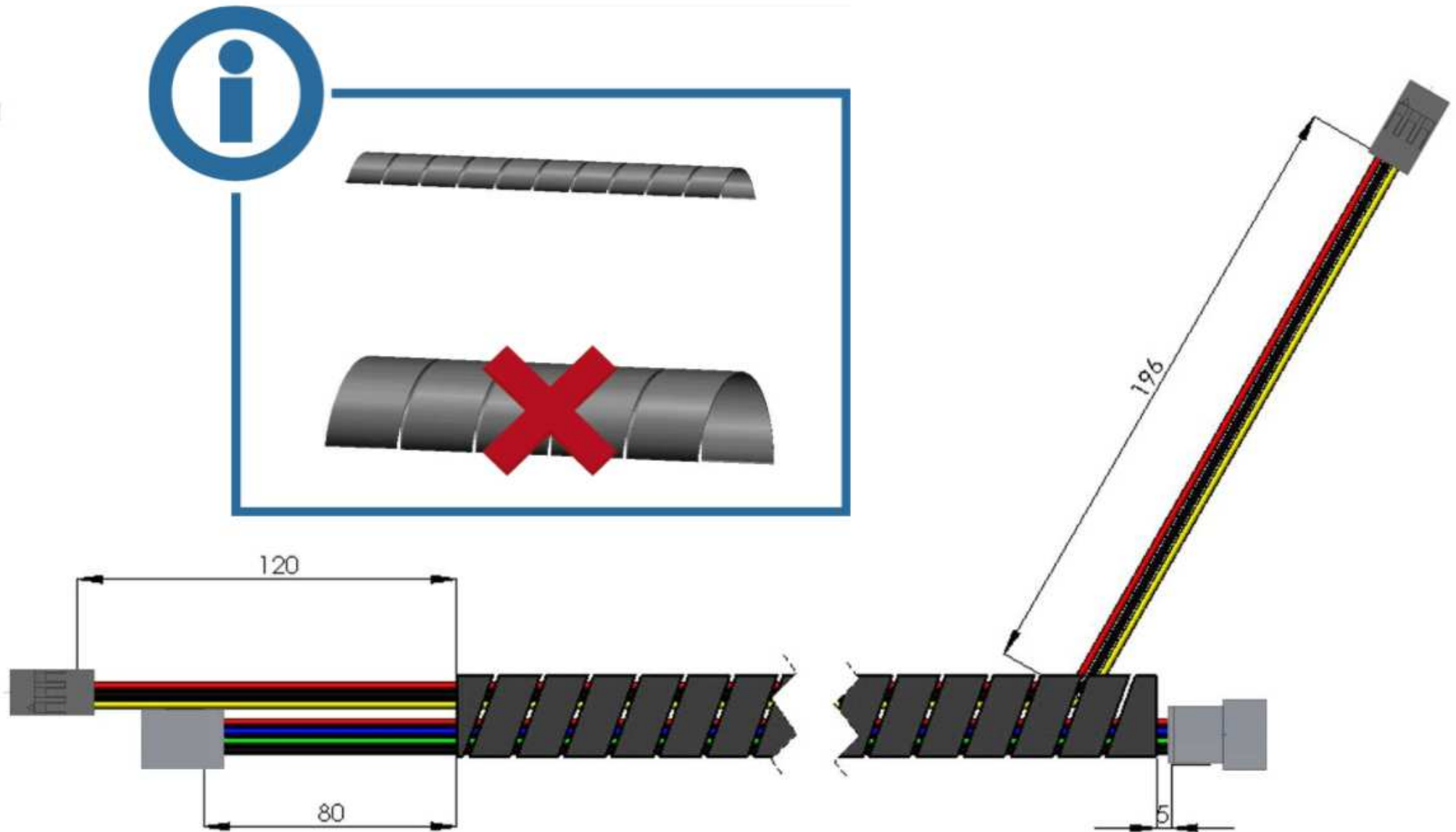




Wiring Procedure

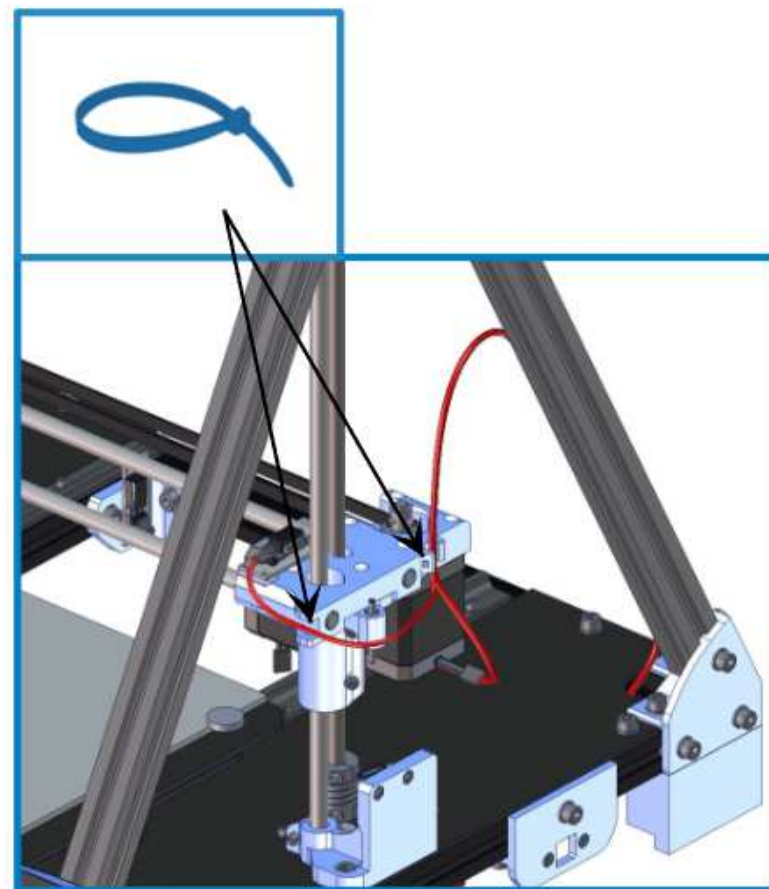
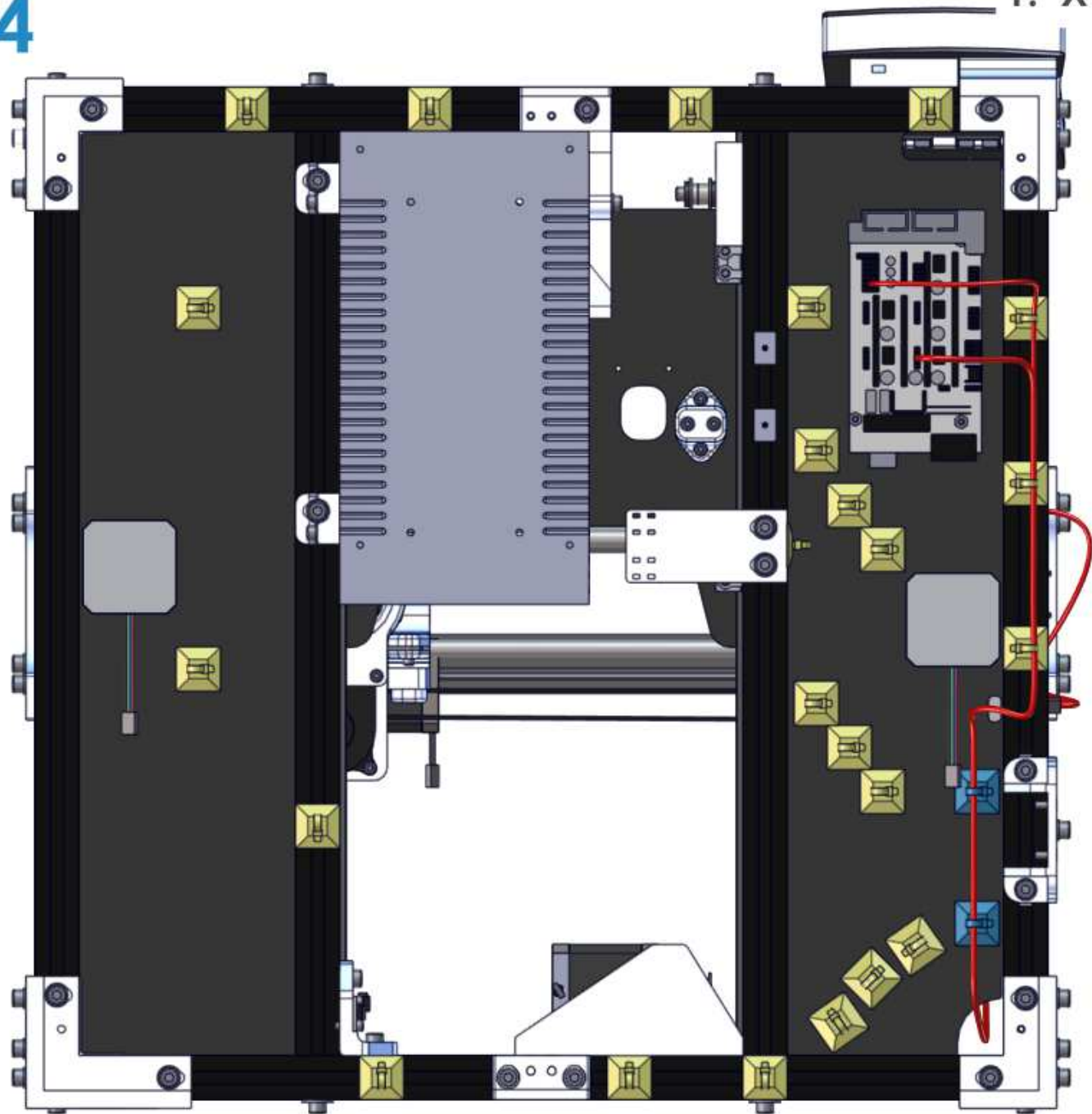
There are the names of the cables that will be needed at each step in the upper right corner. These names correspond to the names of the cables from the electronics box. The process consists of three distinct steps, each on a slide:

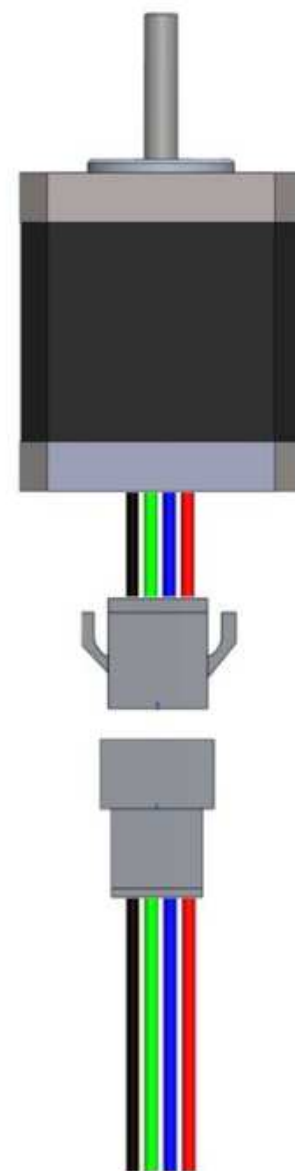
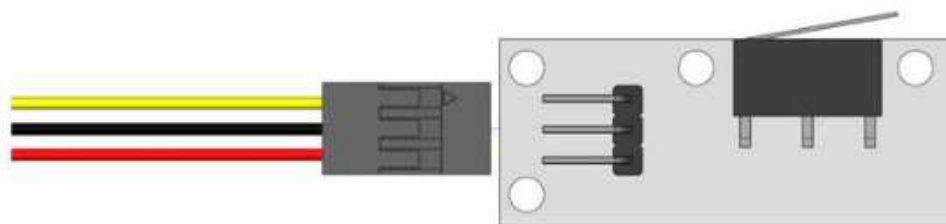
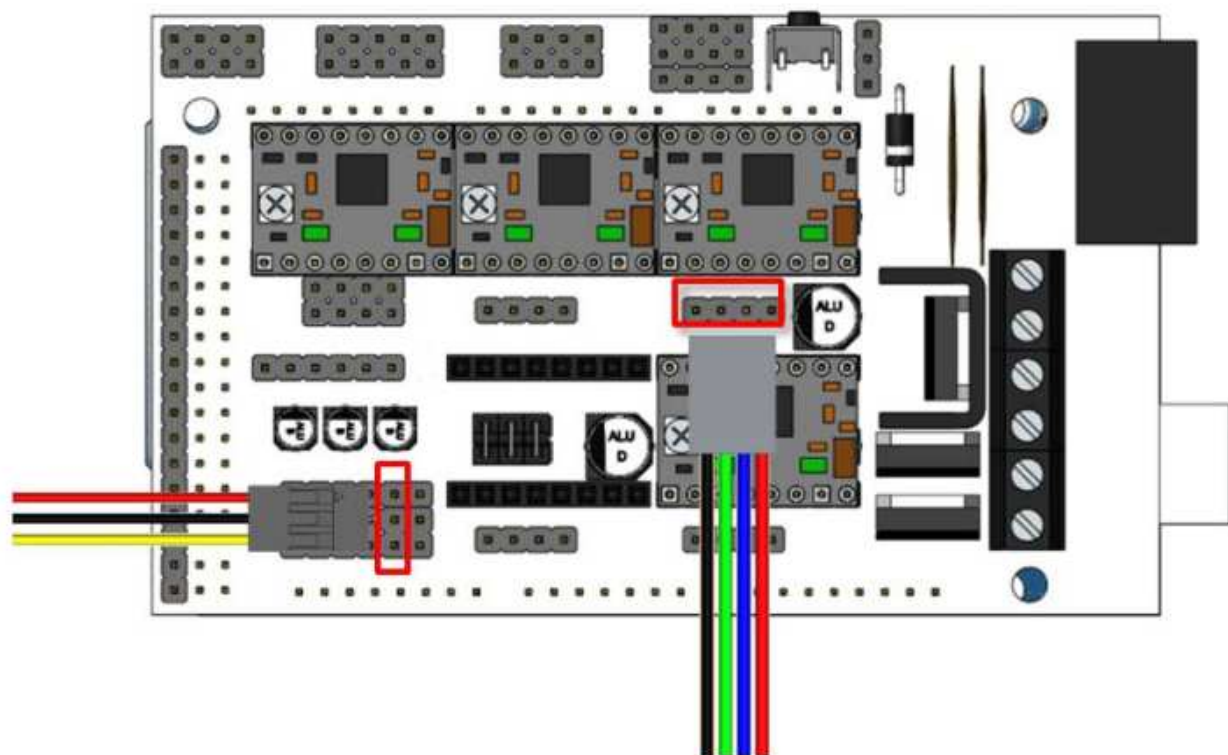
- 1.** Sheathed cables.
Respect lengths from the unsheathed sections.
In some cases the components will be mounted as it is properly indicated.
- 2.** Cable route.
Close the flange of those bases that are highlighted in blue.
- 3.** Component connection.
Watch the orientation of the connectors and the color coding. Be sure to connect the elements in the highlighted place of the electronics.

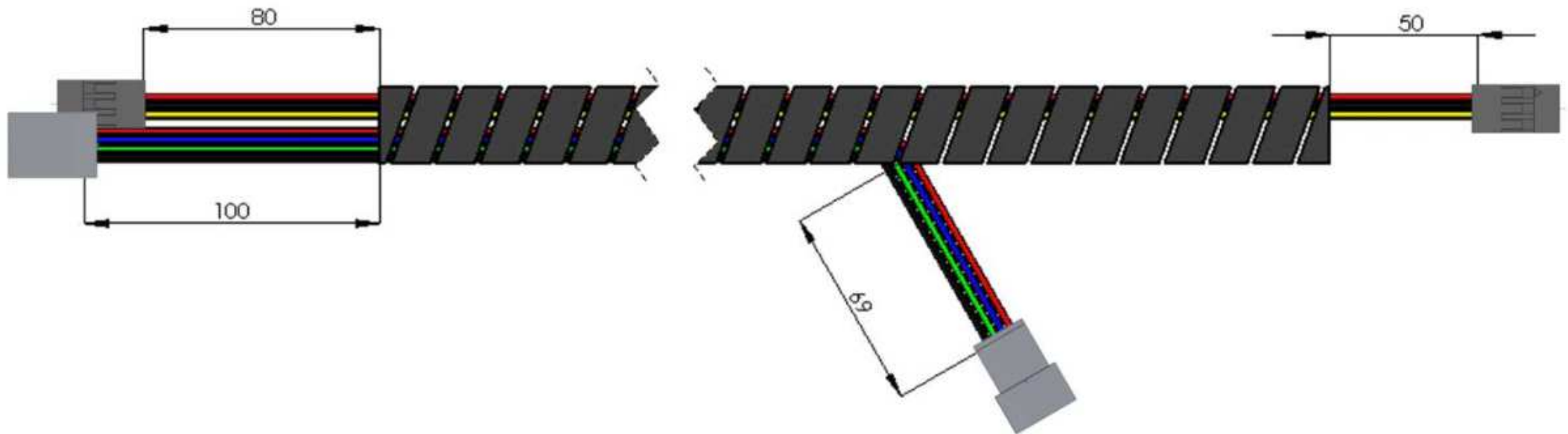


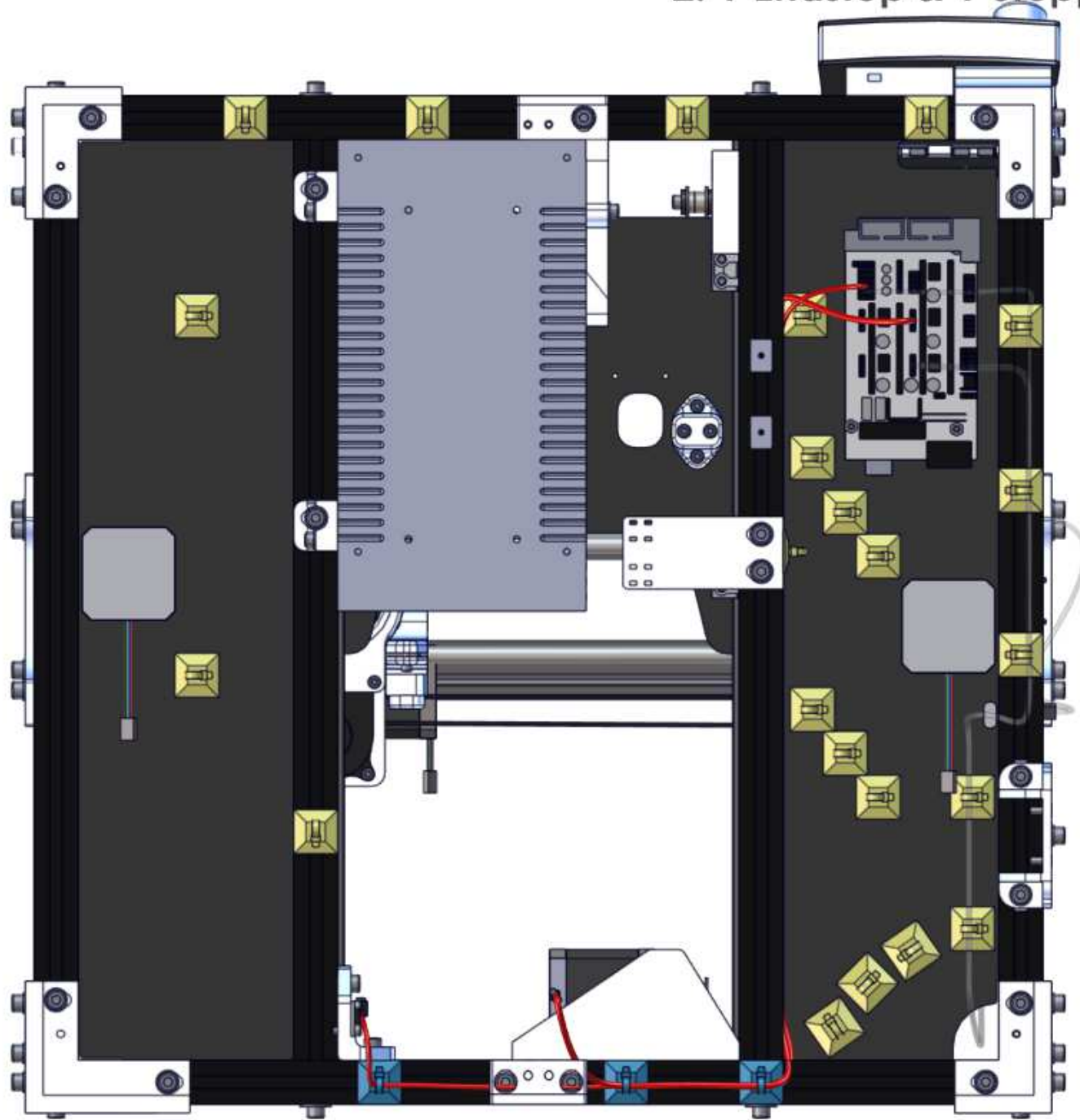
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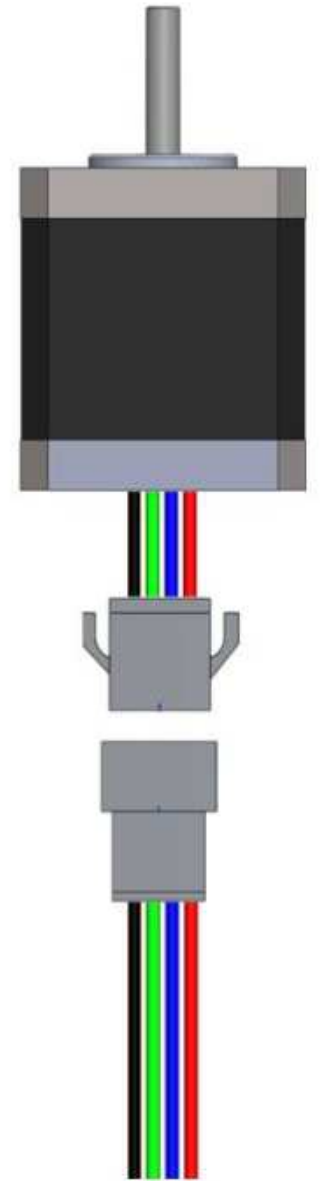
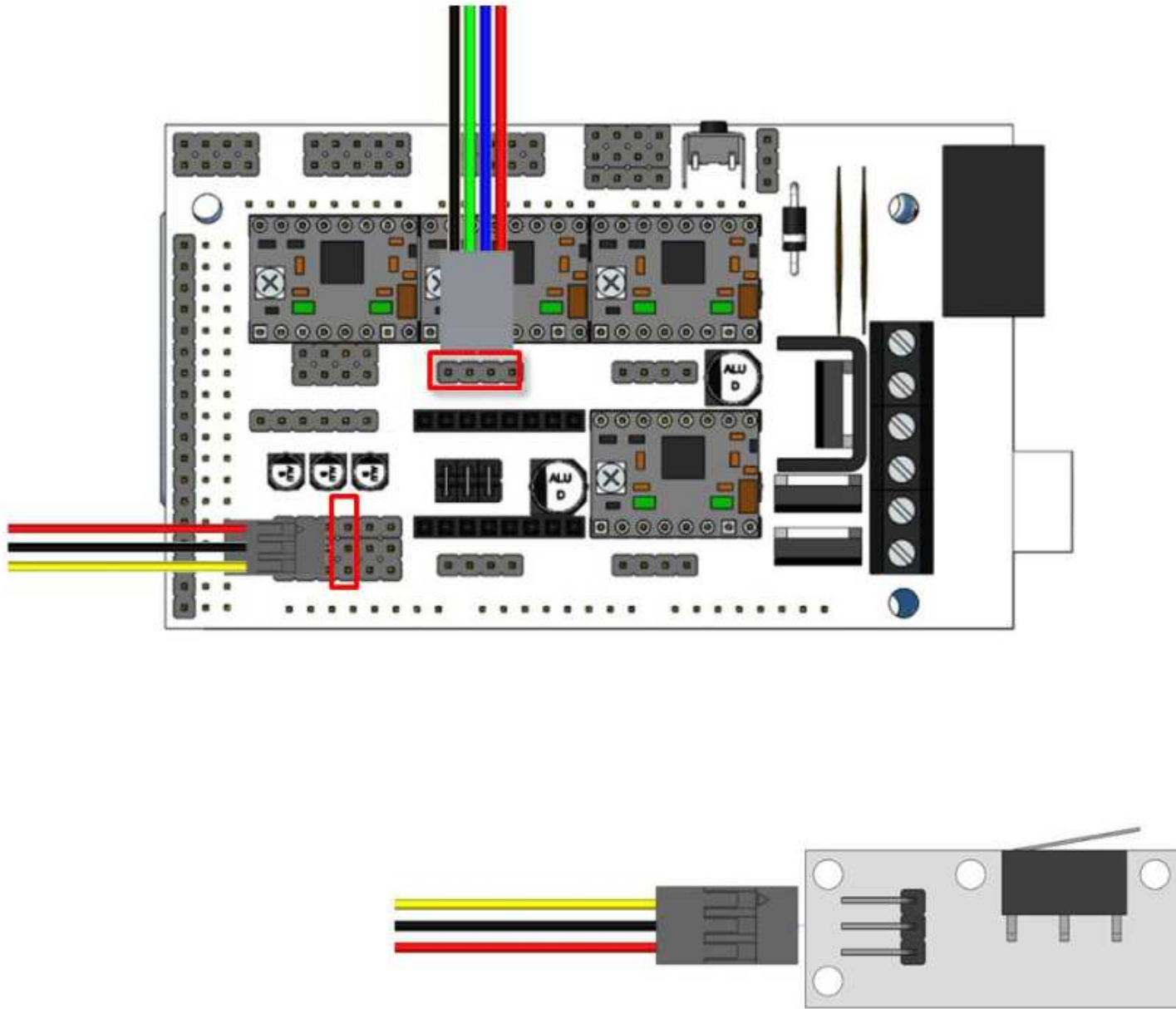
1. X Endstop & X stepper extender

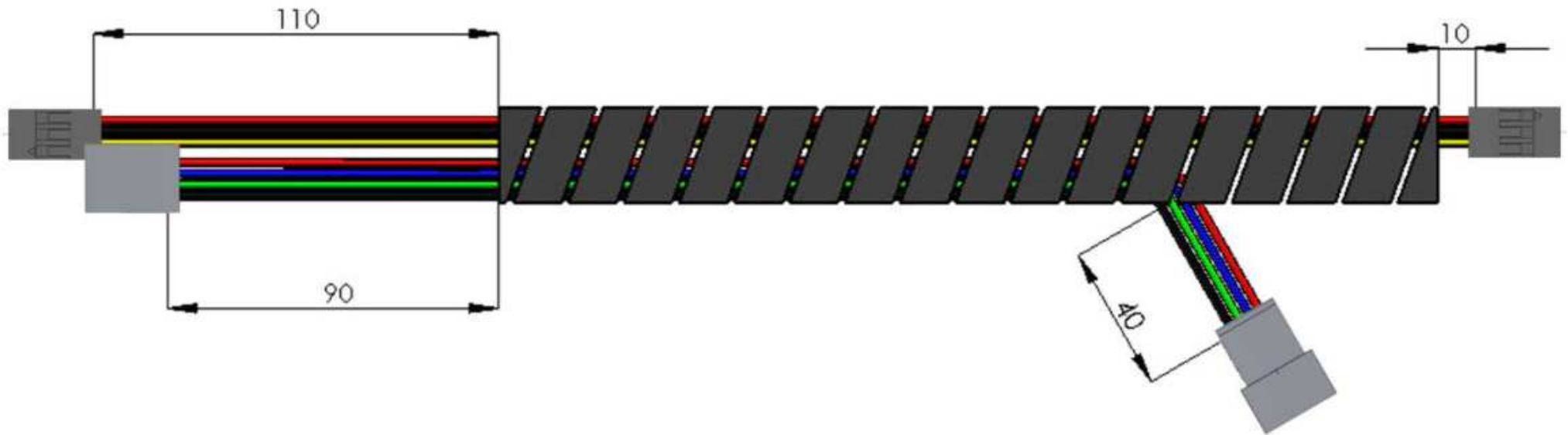


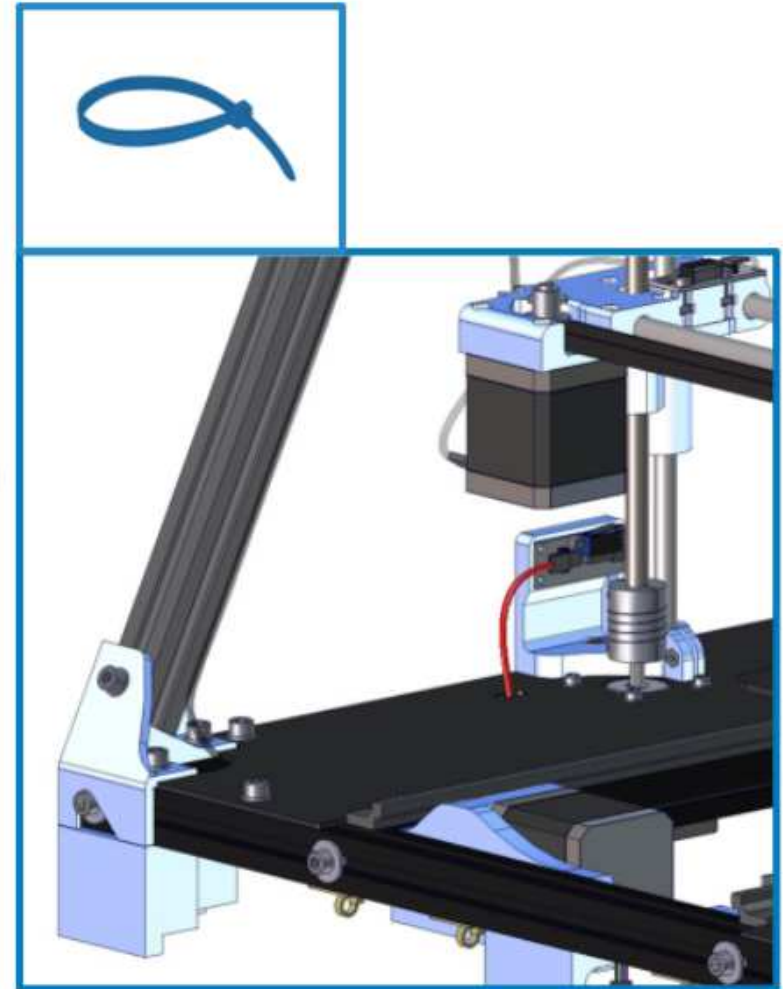
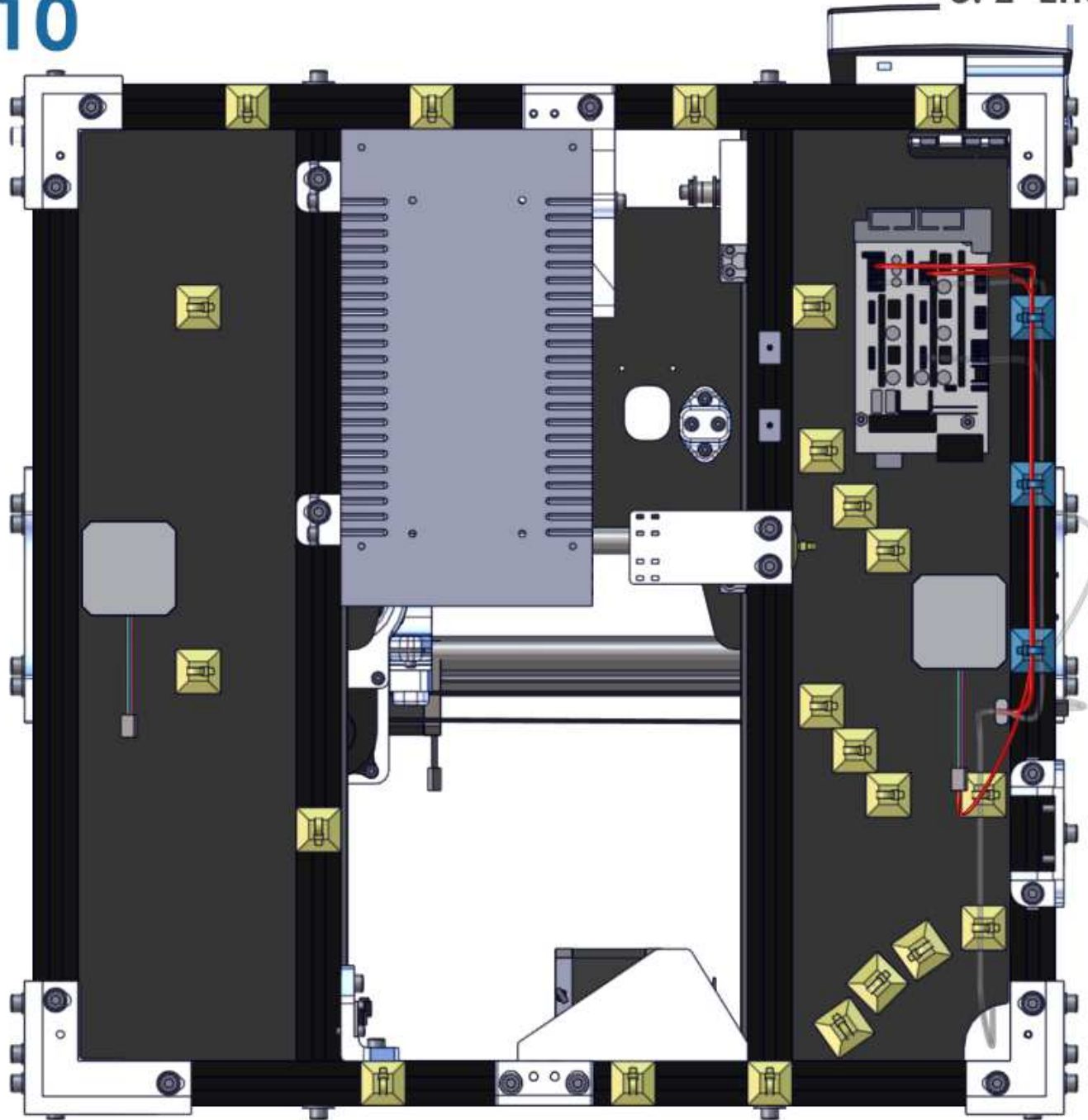


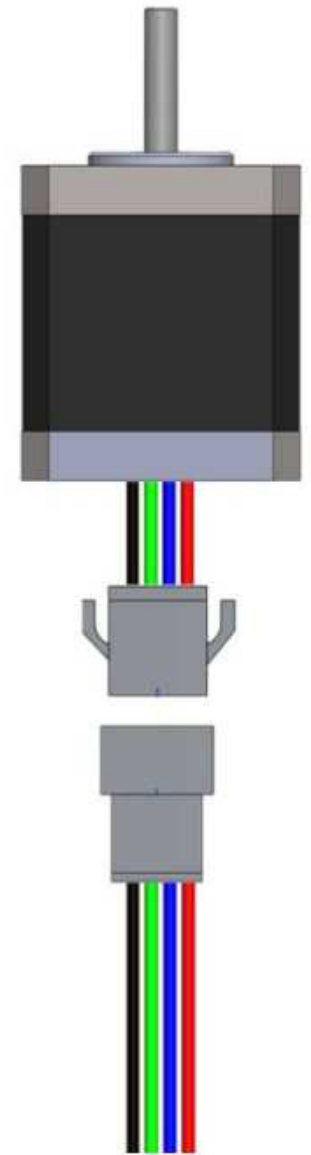
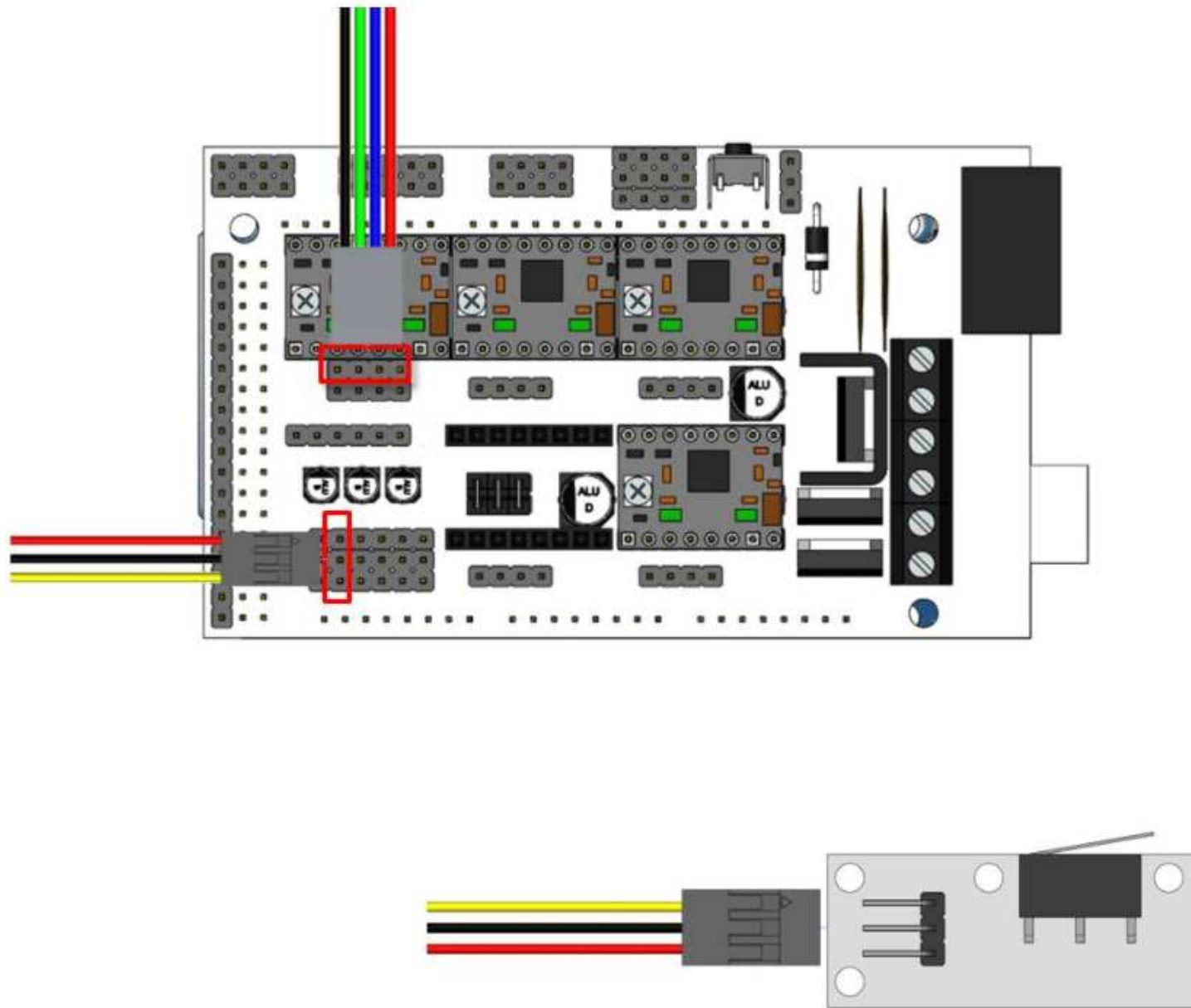




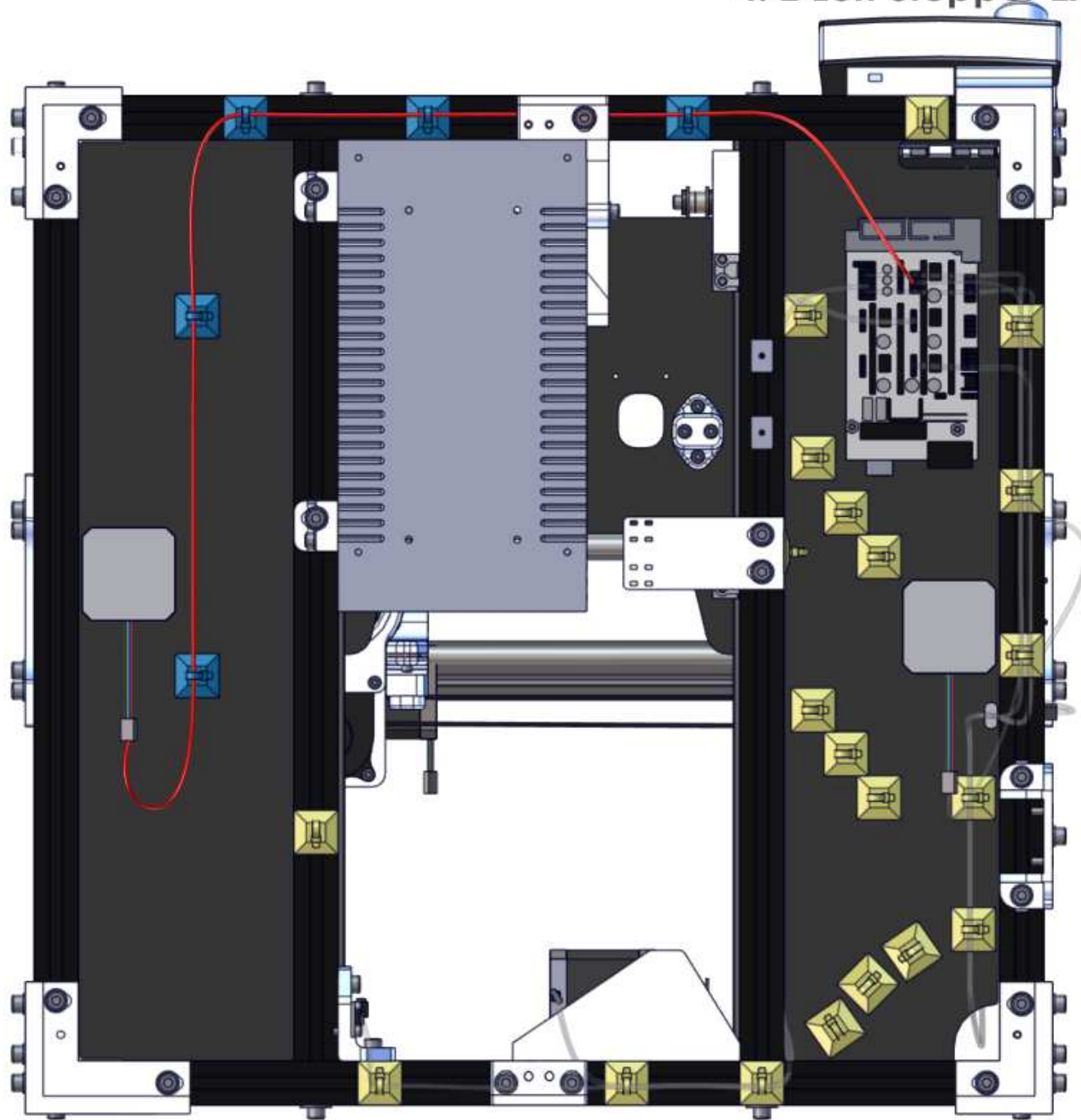


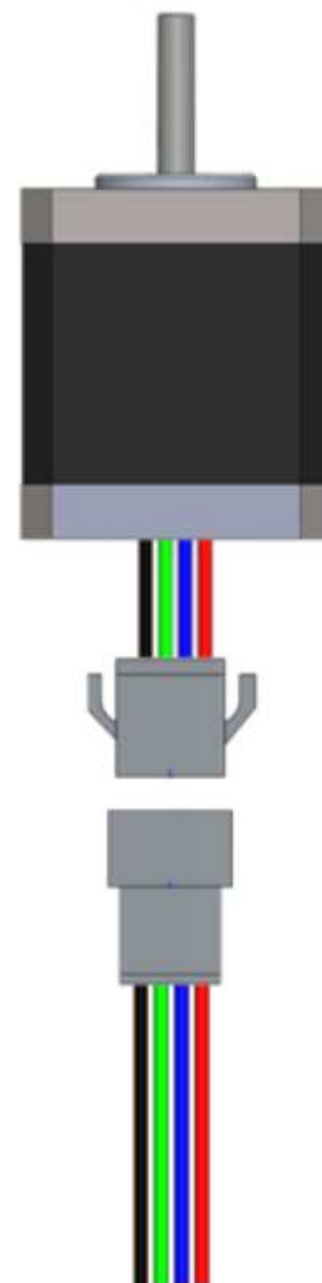
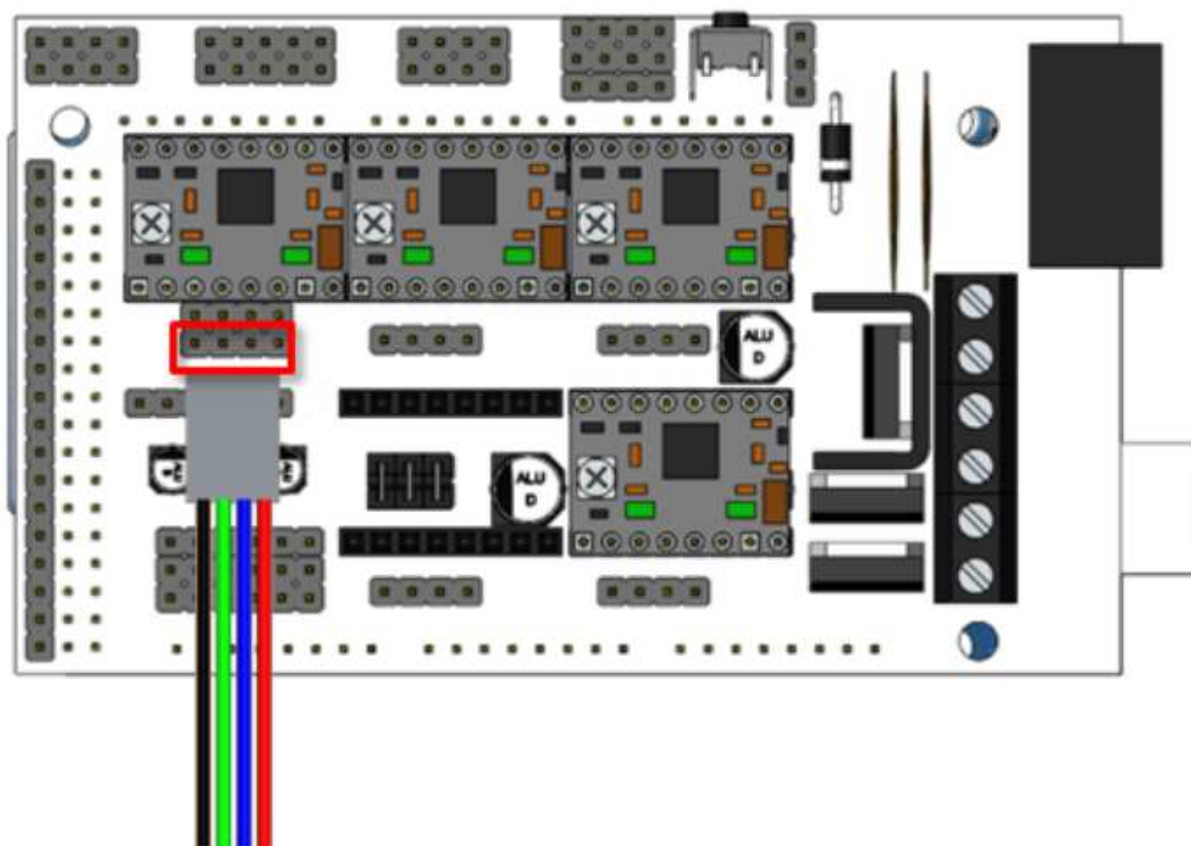




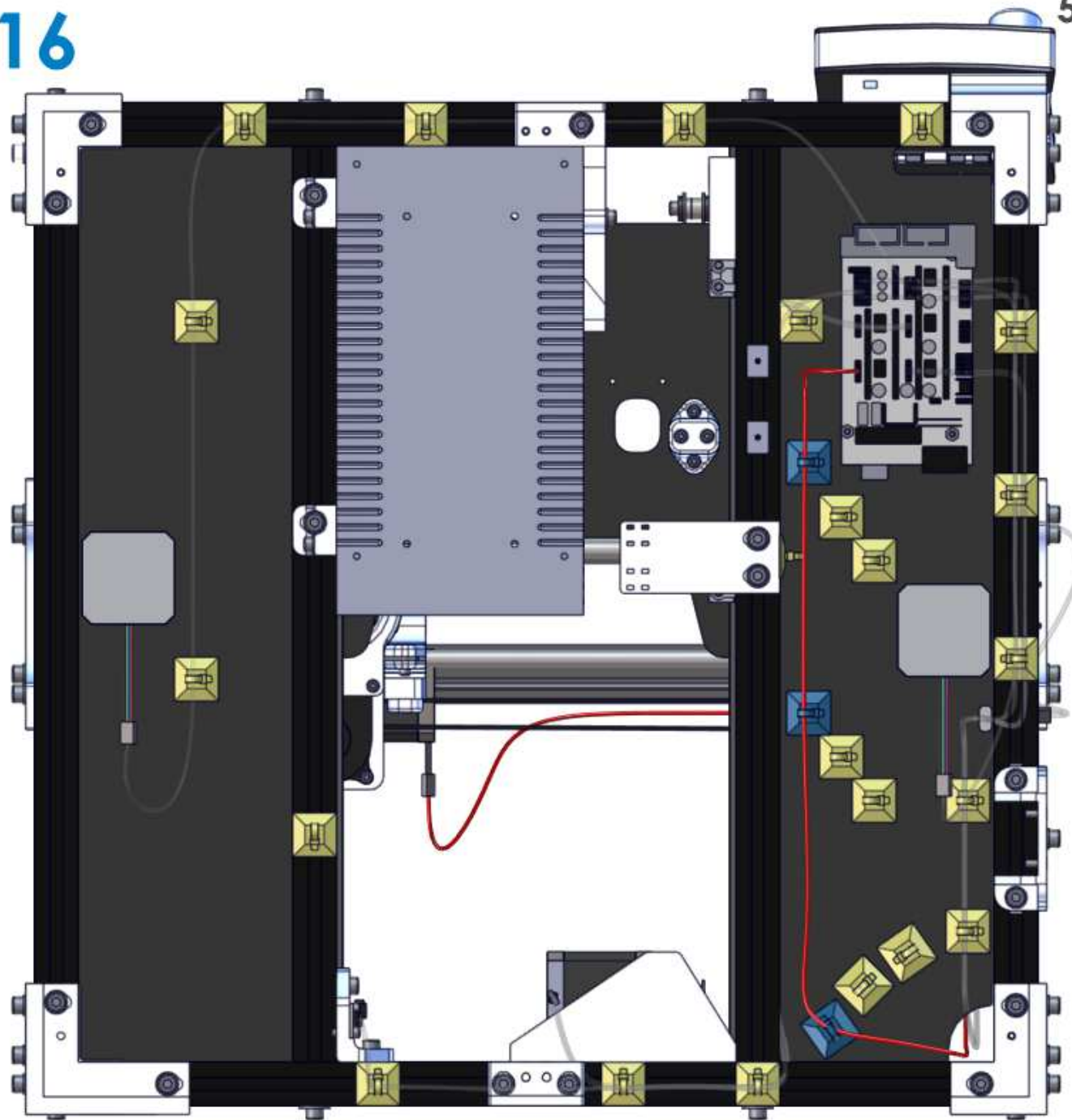




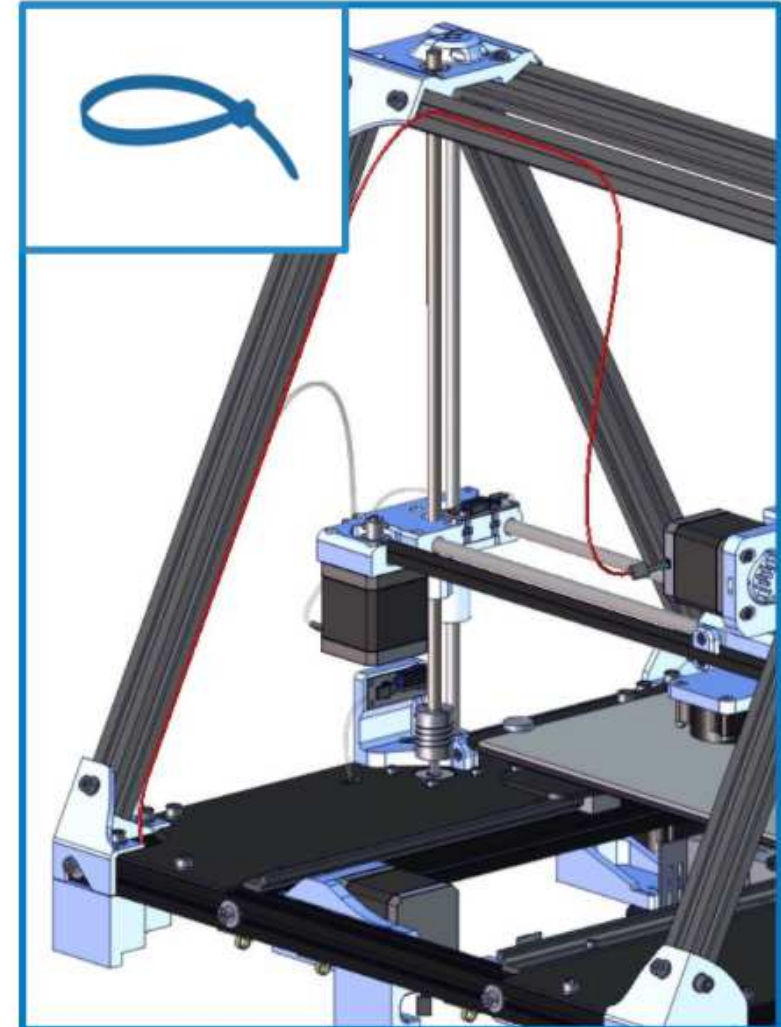


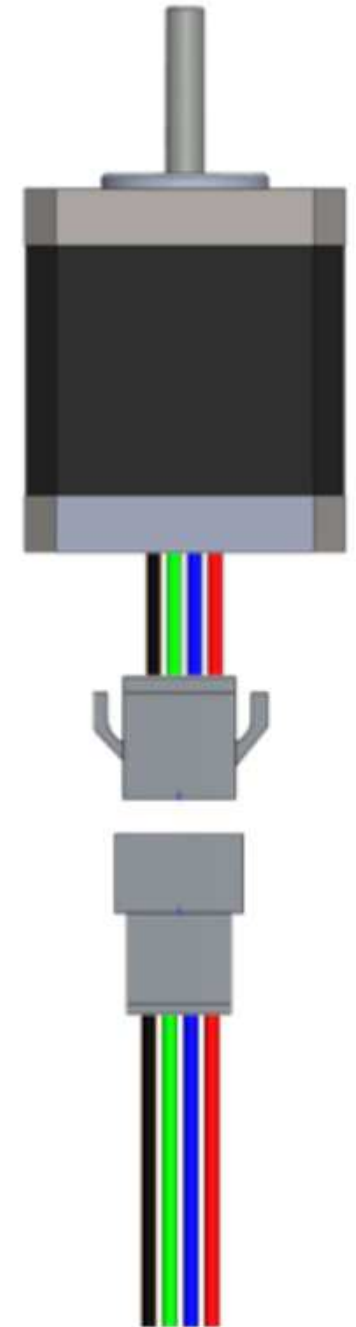
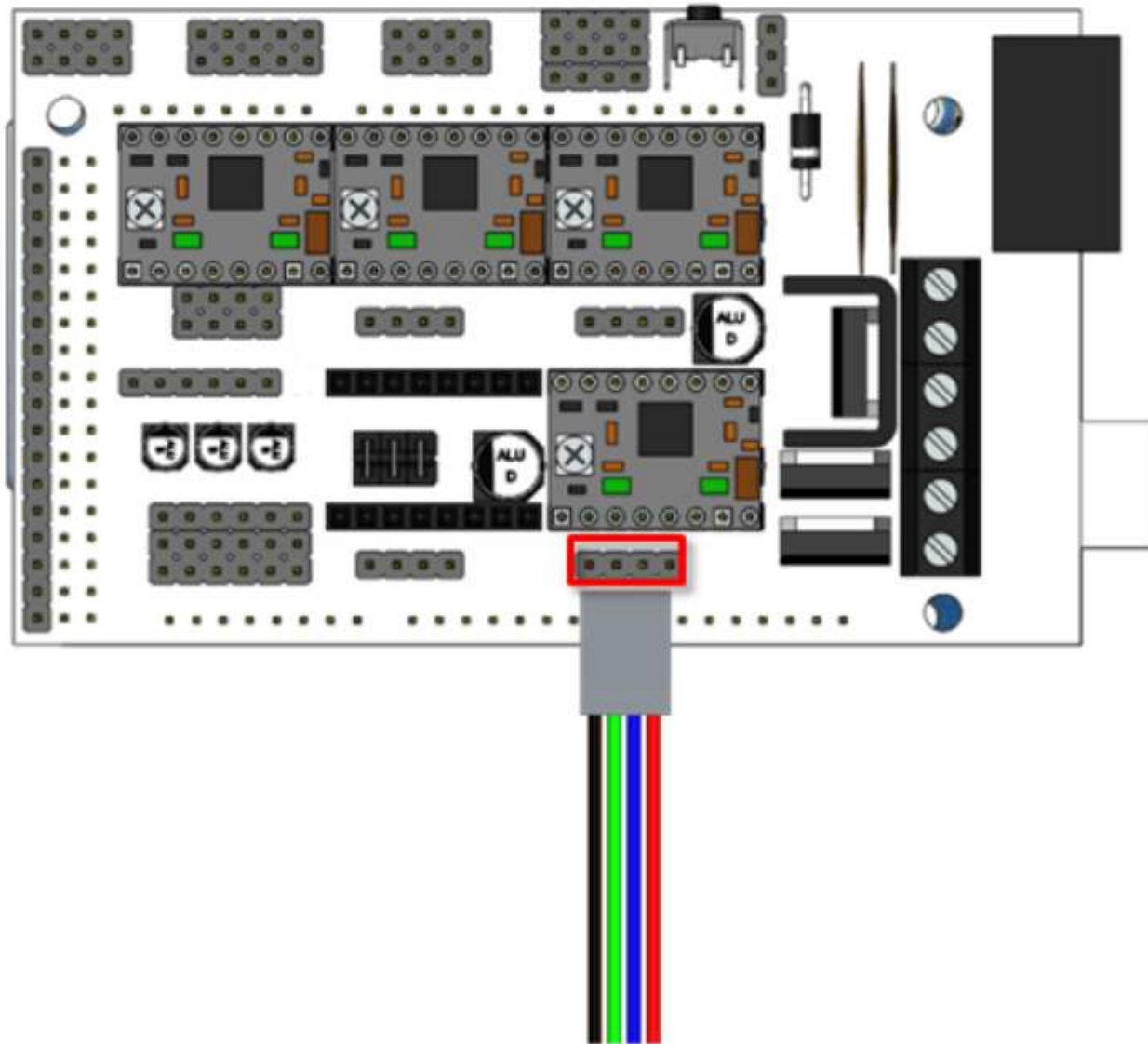


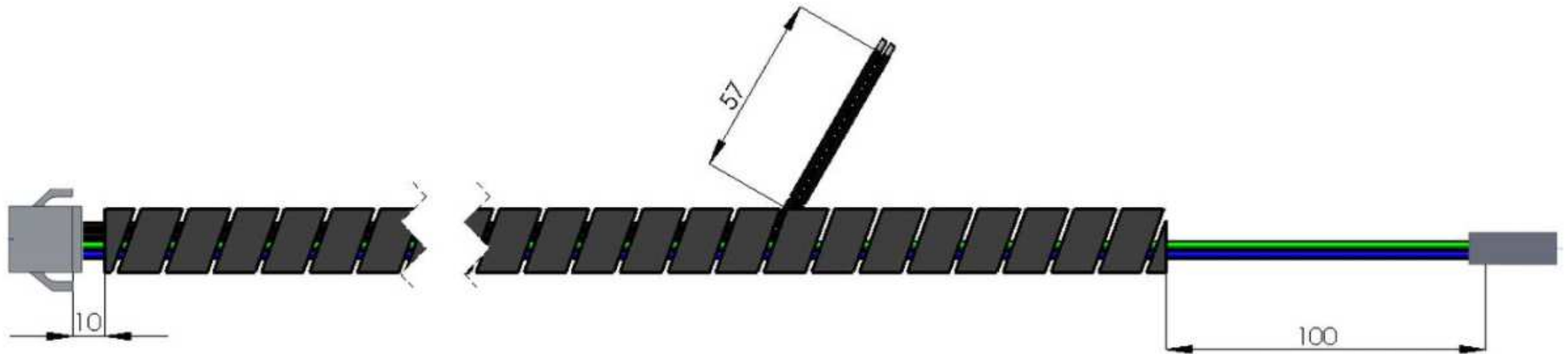


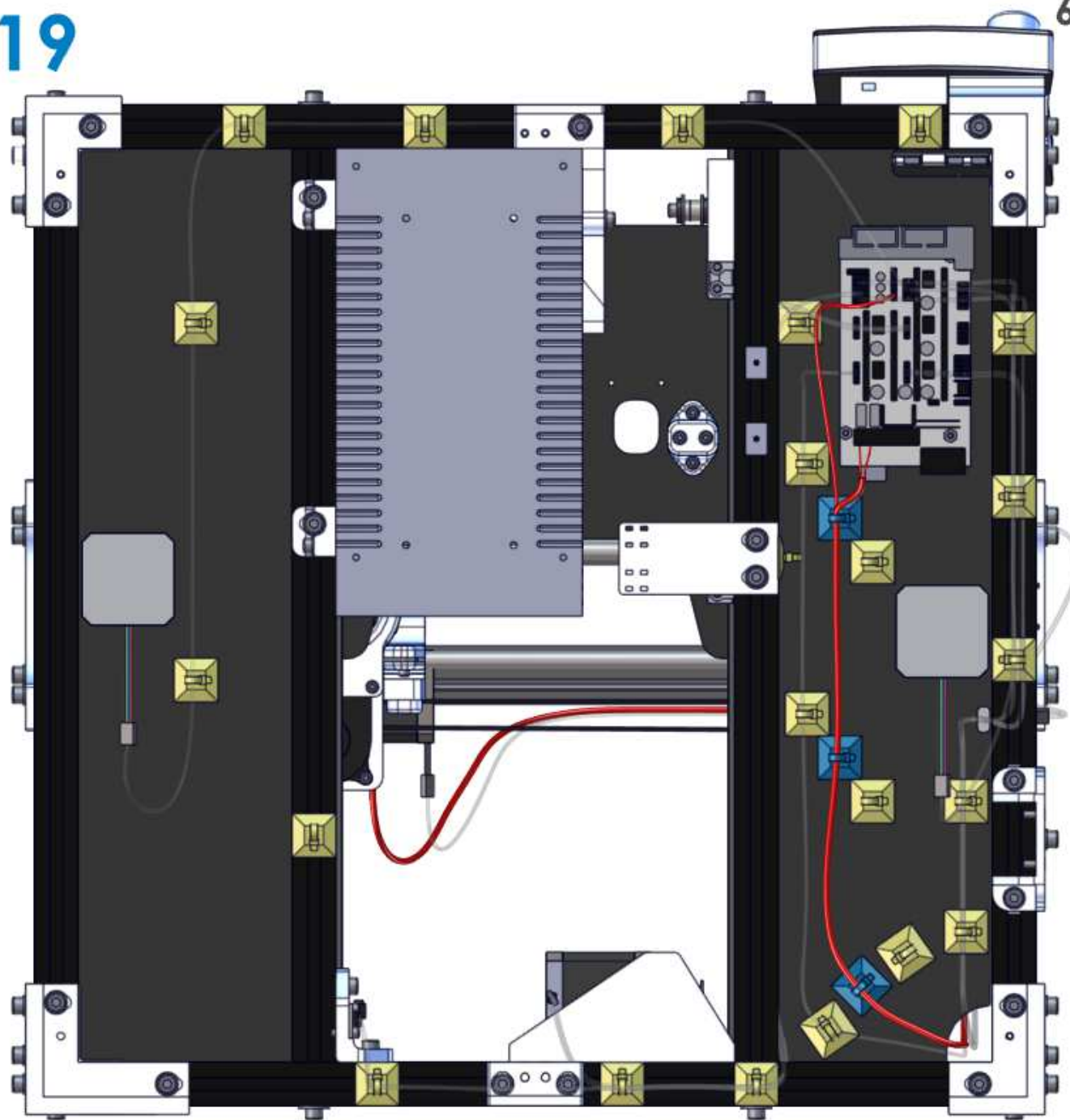


5. Extruder Stepper Extender

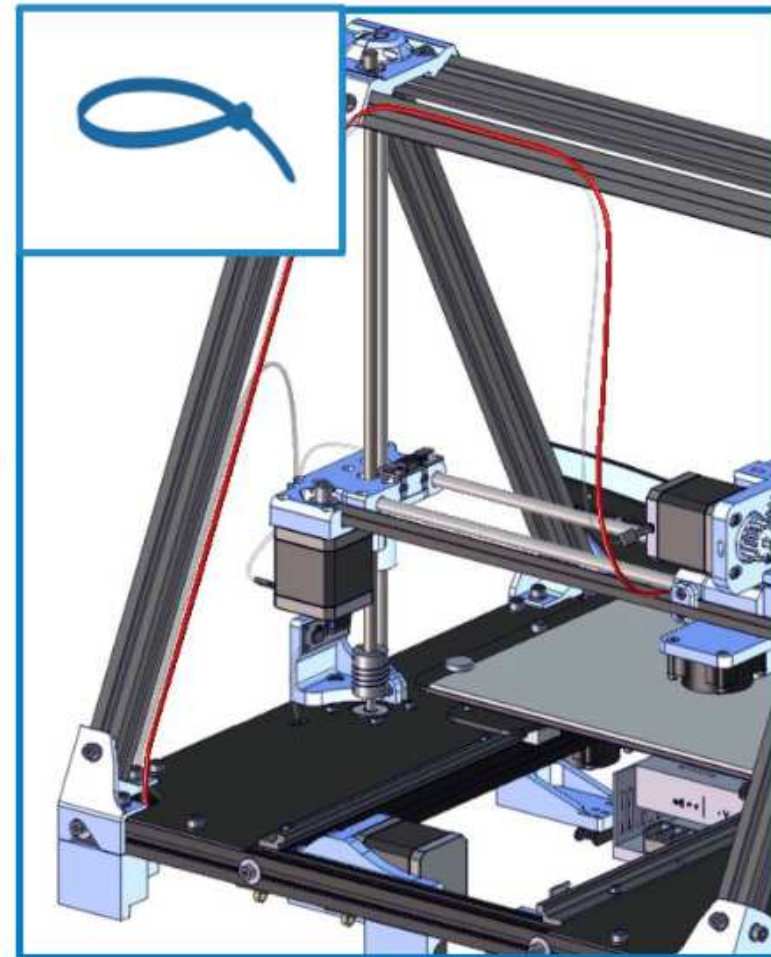


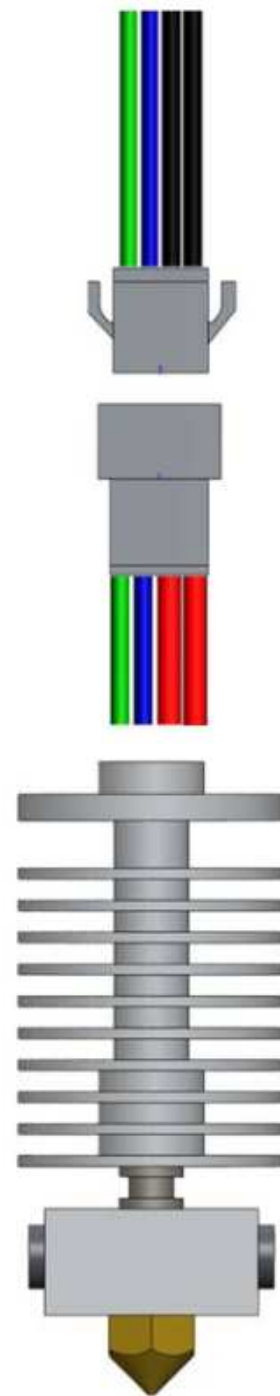
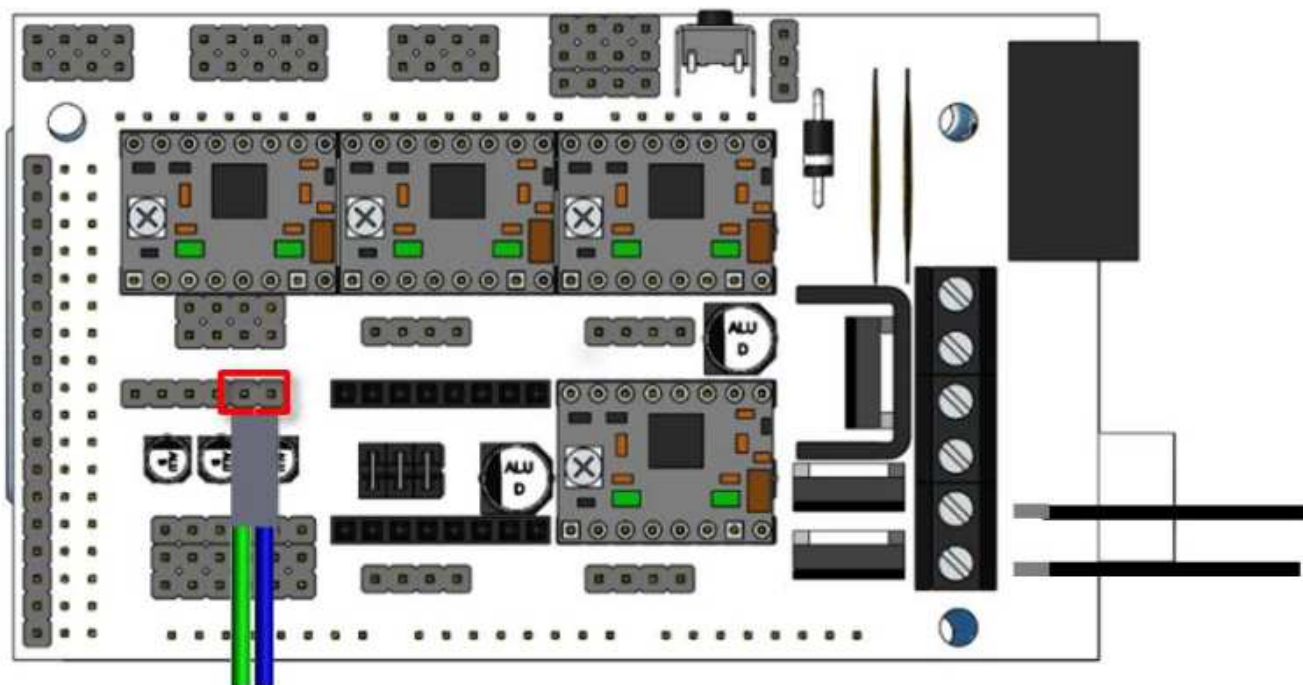


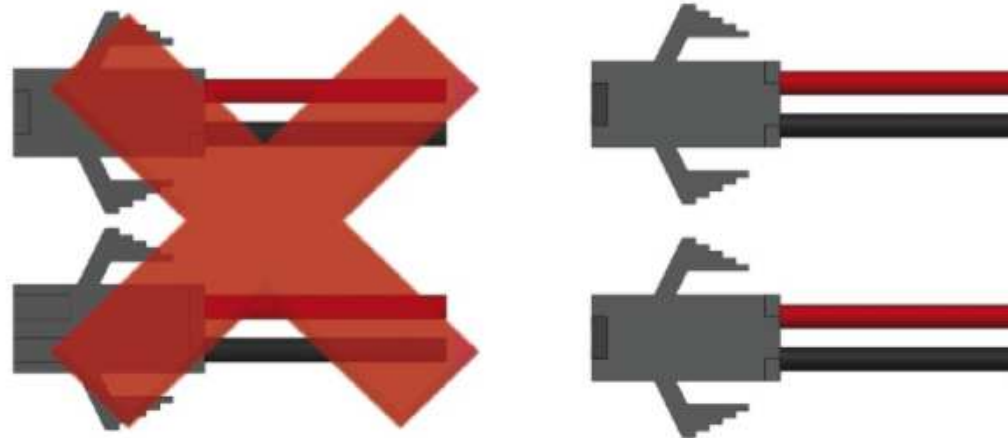
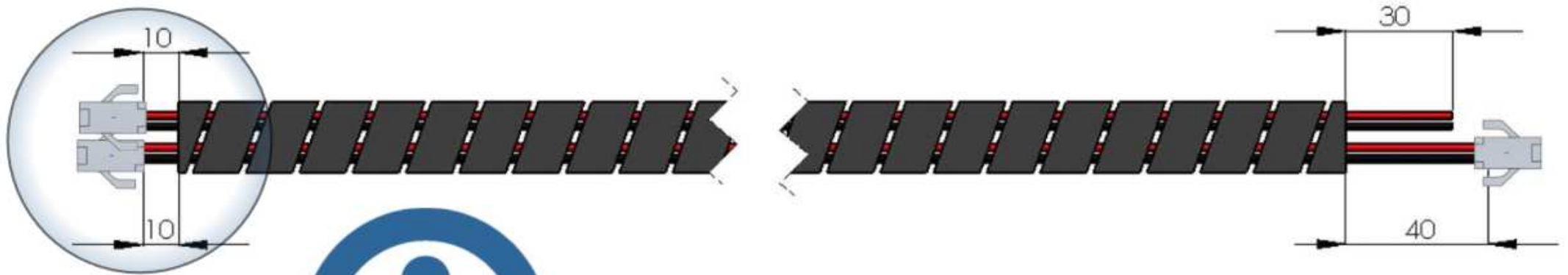


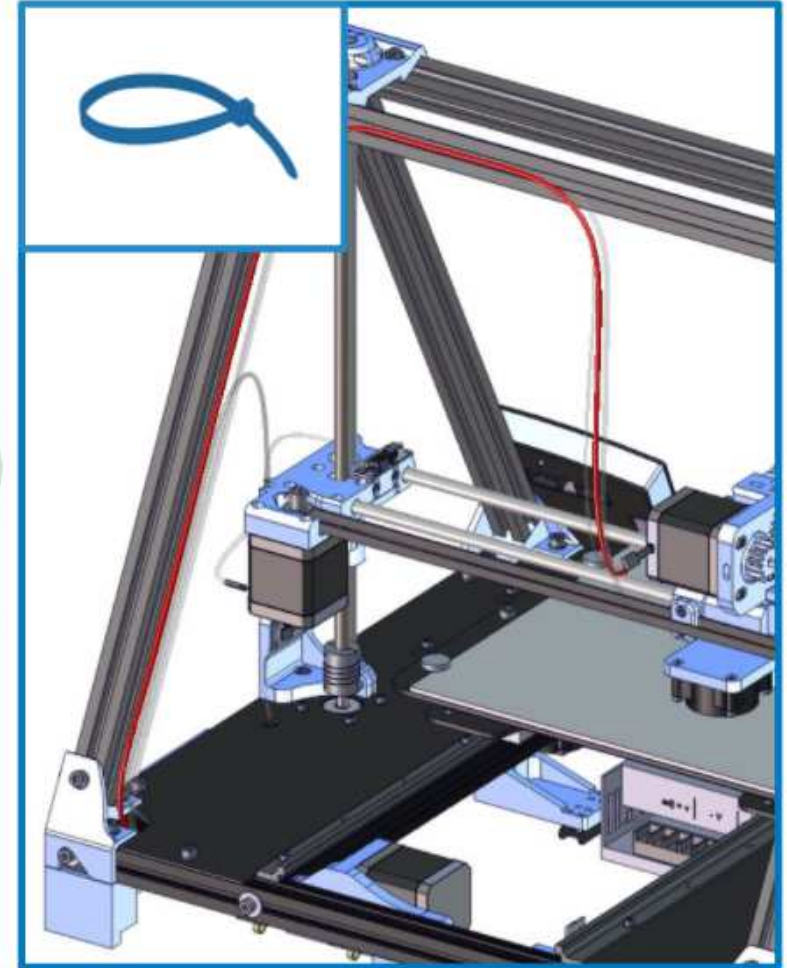
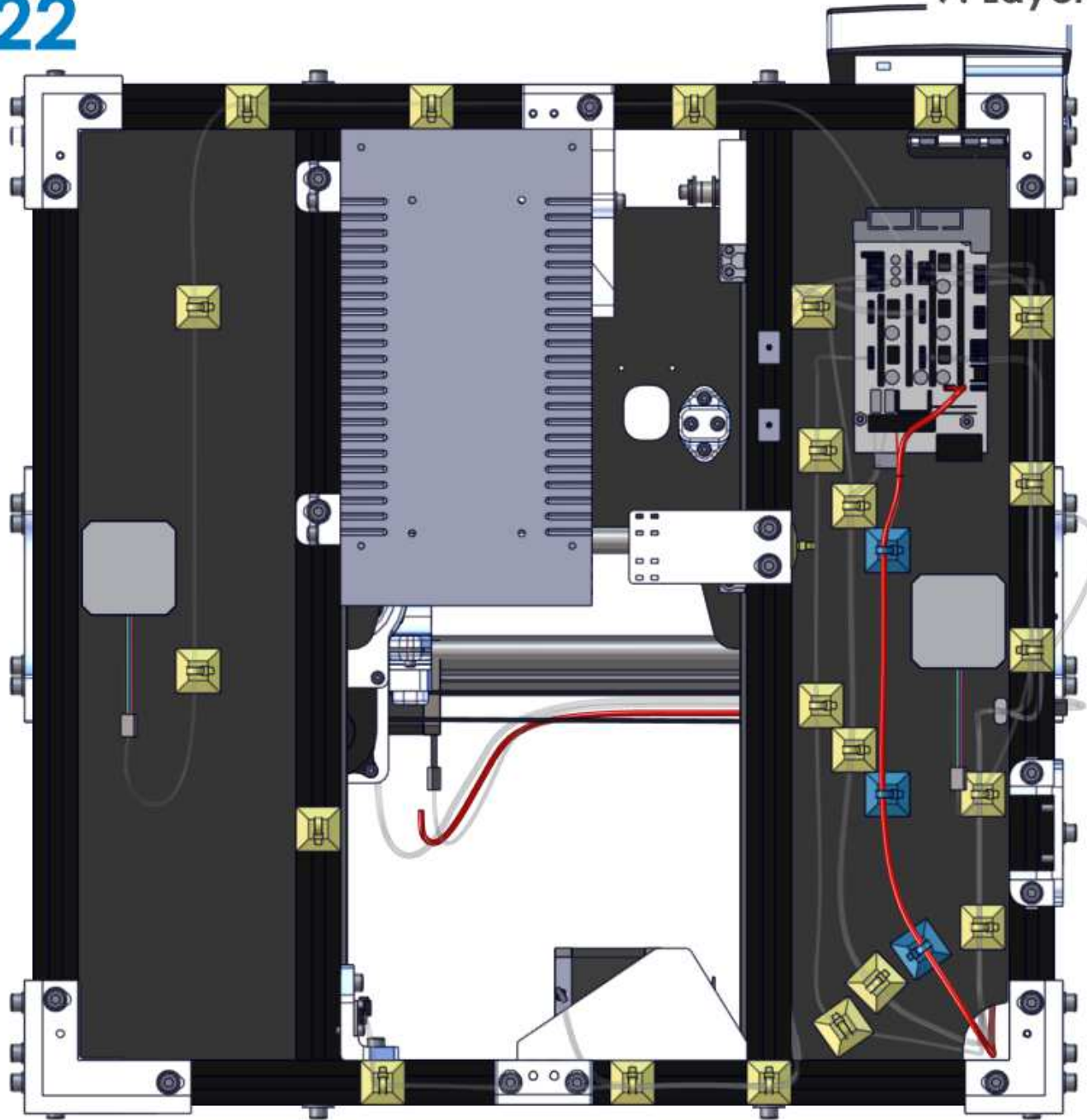


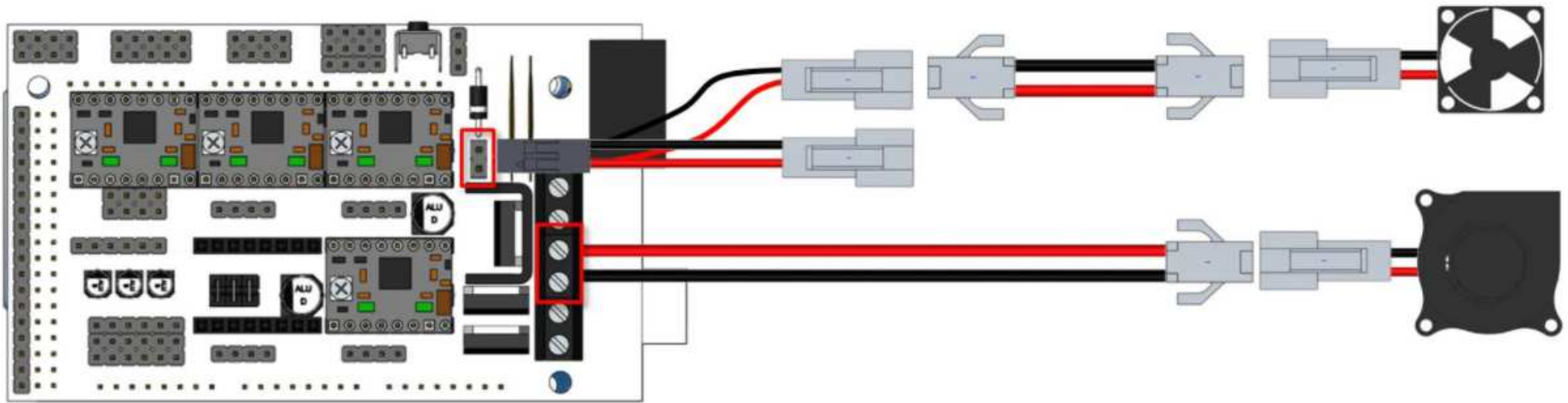
6. Hot End Extender

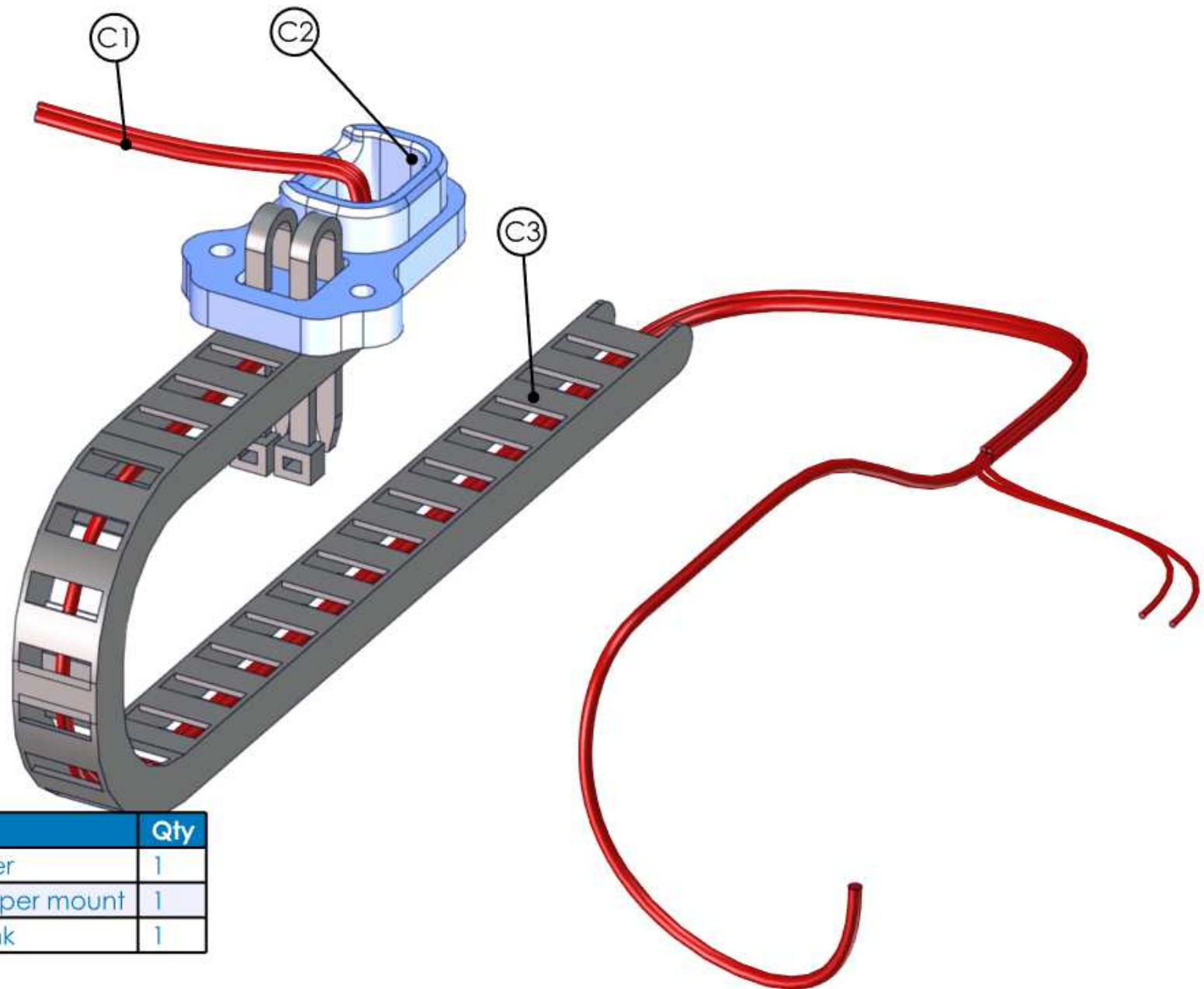










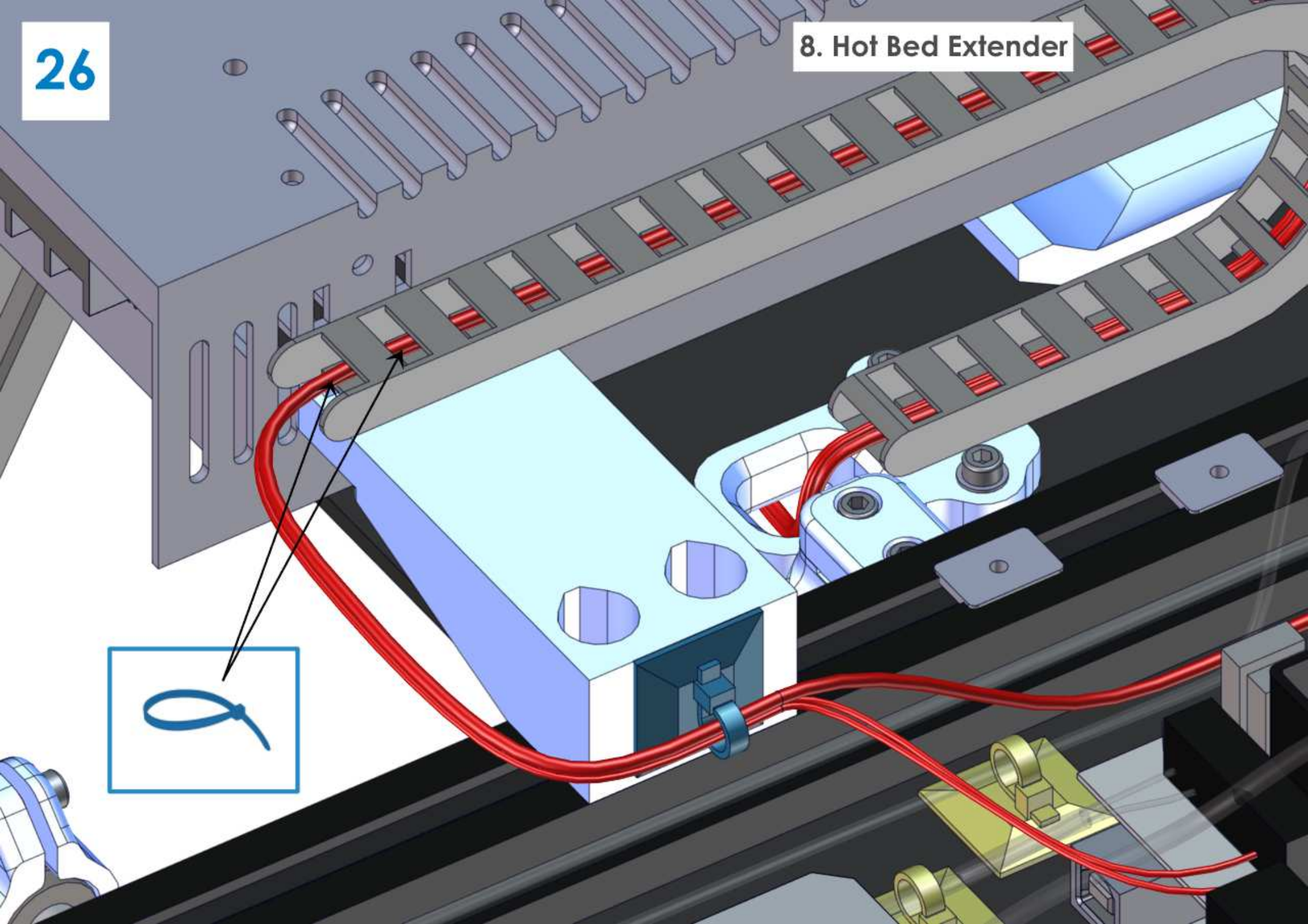


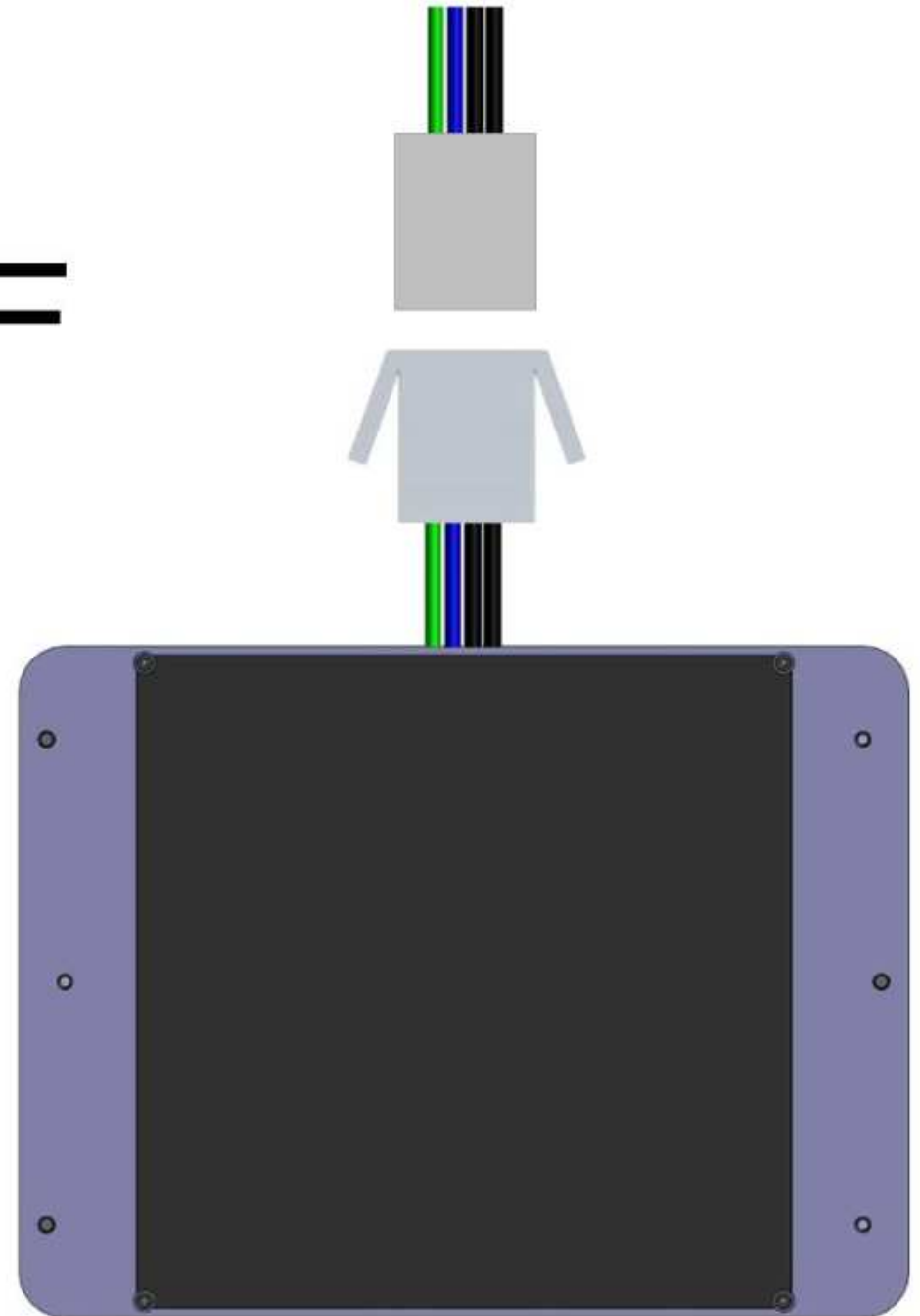
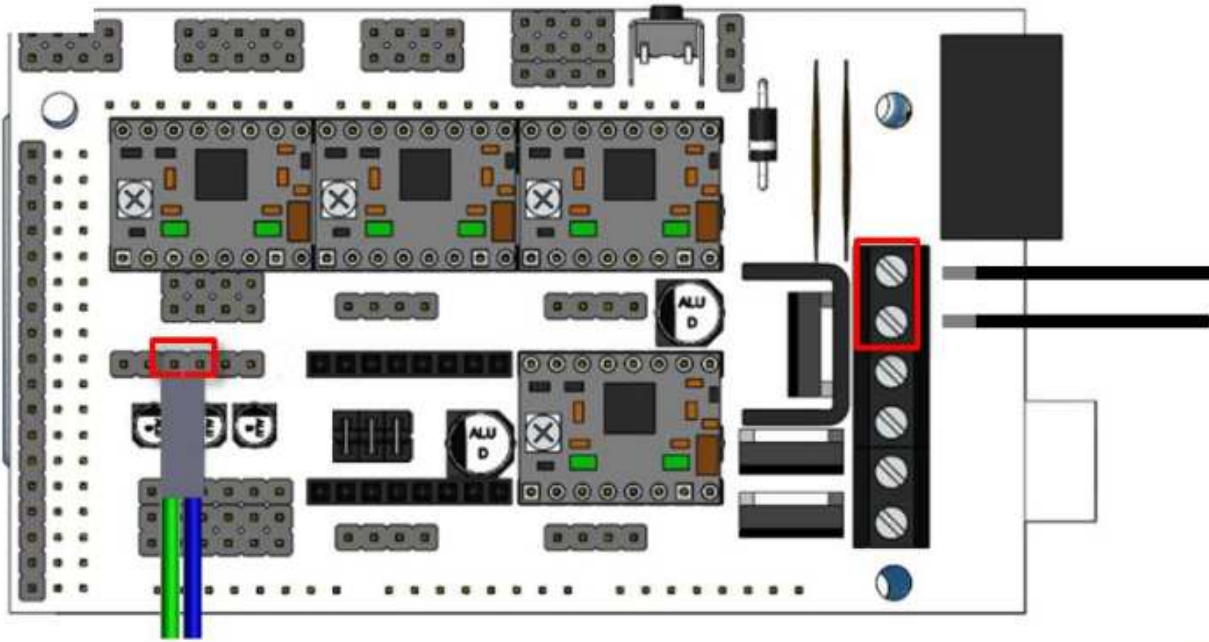
BOM ID	Description	Qty
C1	Hotbed Extender	1
C2	Cable chain upper mount	1
C3	Cable Chain Link	1

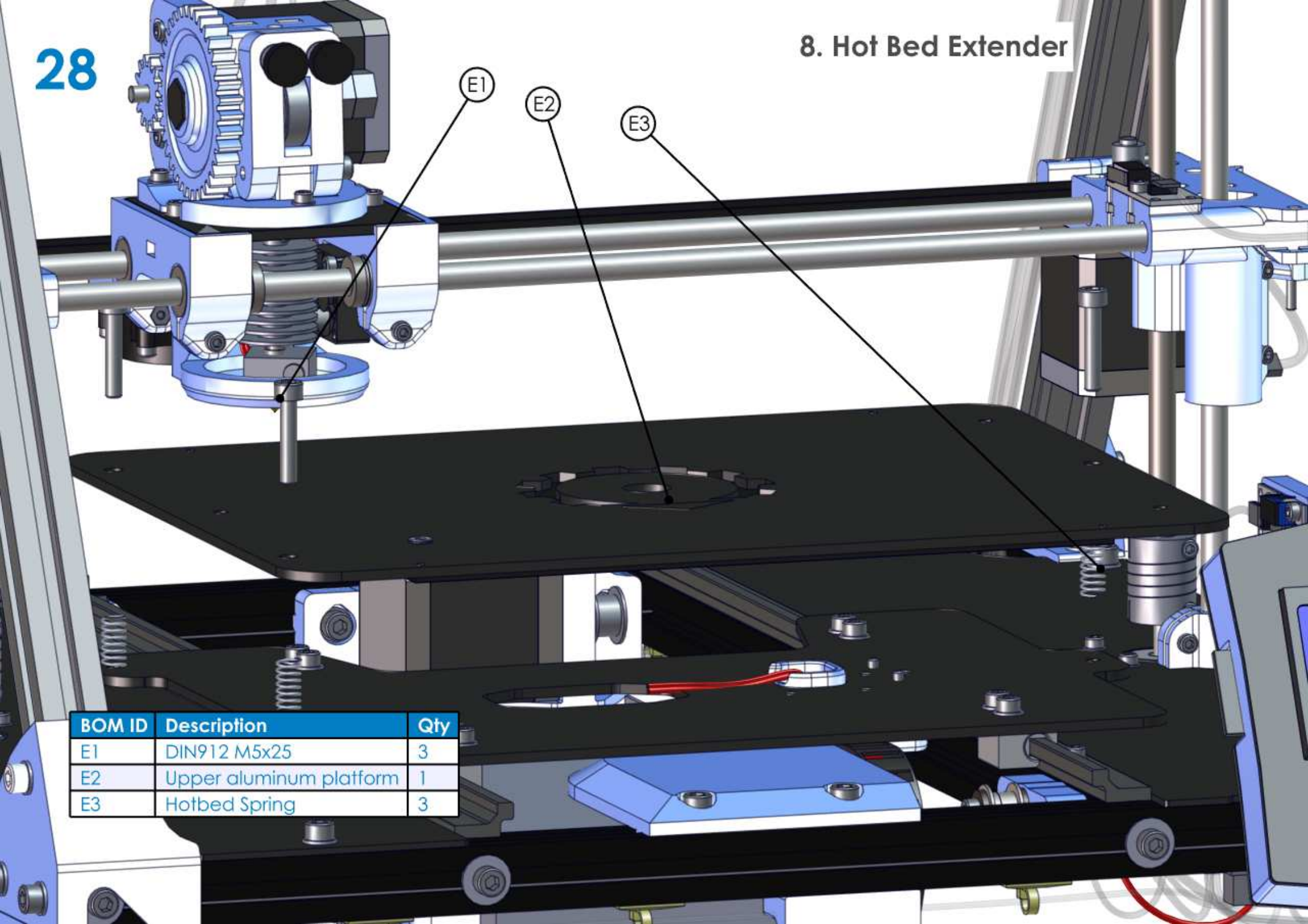


This 3D assembly diagram illustrates the installation of a Hot Bed Extender. The extender is a light blue L-shaped plate with two circular mounting holes. It is being positioned to connect a red cable to a grey multi-pin connector on a black PCB. Two screws, labeled D1 and D2, are used to secure the extender. D1 is a DIN912 M3x10 screw, and D2 is a DIN125 M3 screw. The red cable is shown entering the extender and connecting to the PCB connector. The PCB also features several other components, including a yellow bracket and a grey connector.

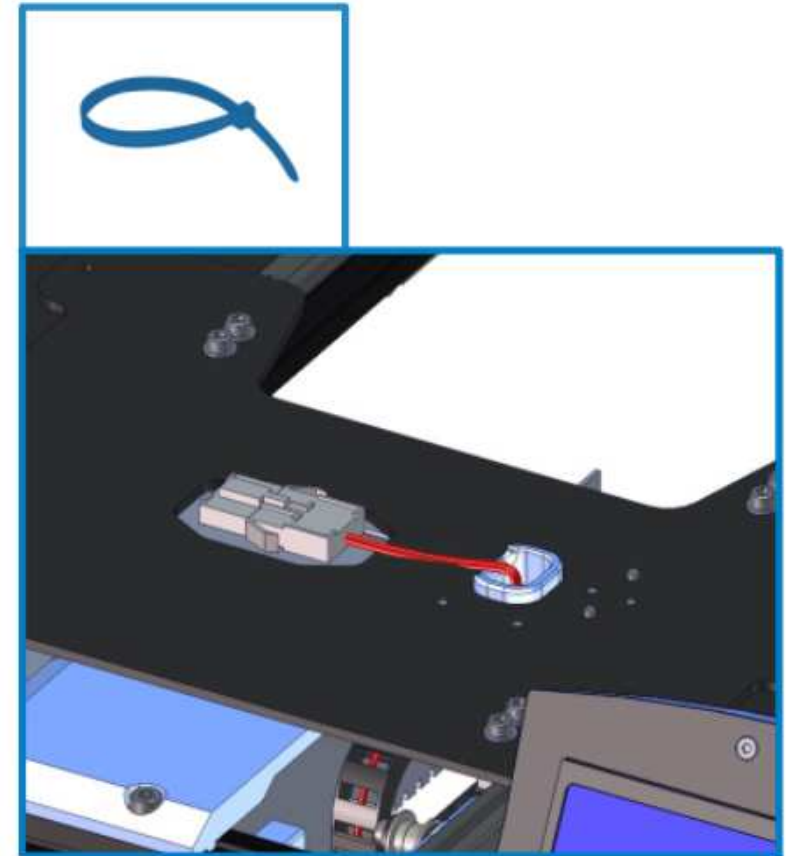
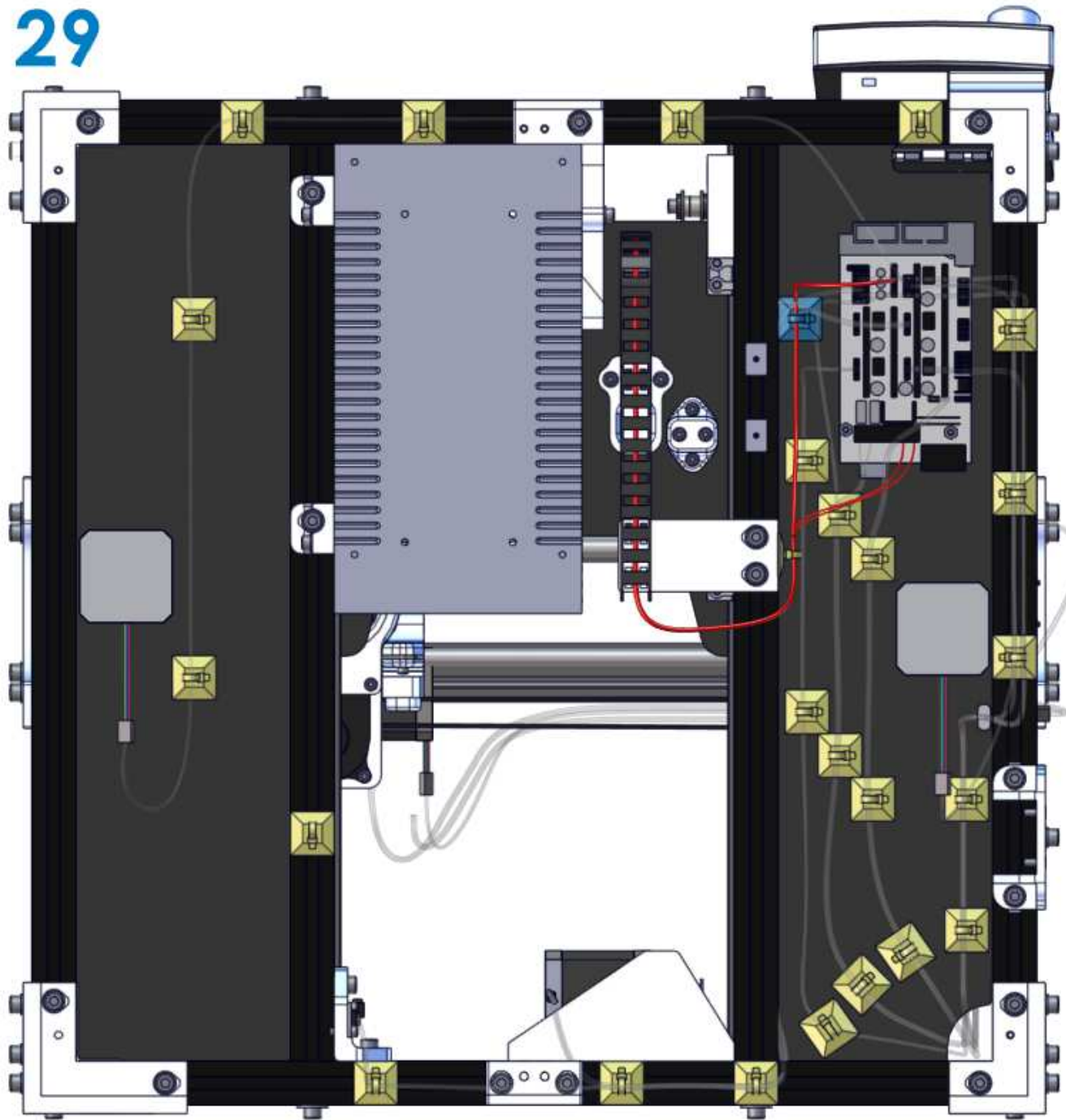
BOM ID	Description	Qty
D1	DIN912 M3x10	2
D2	DIN125 M3	2

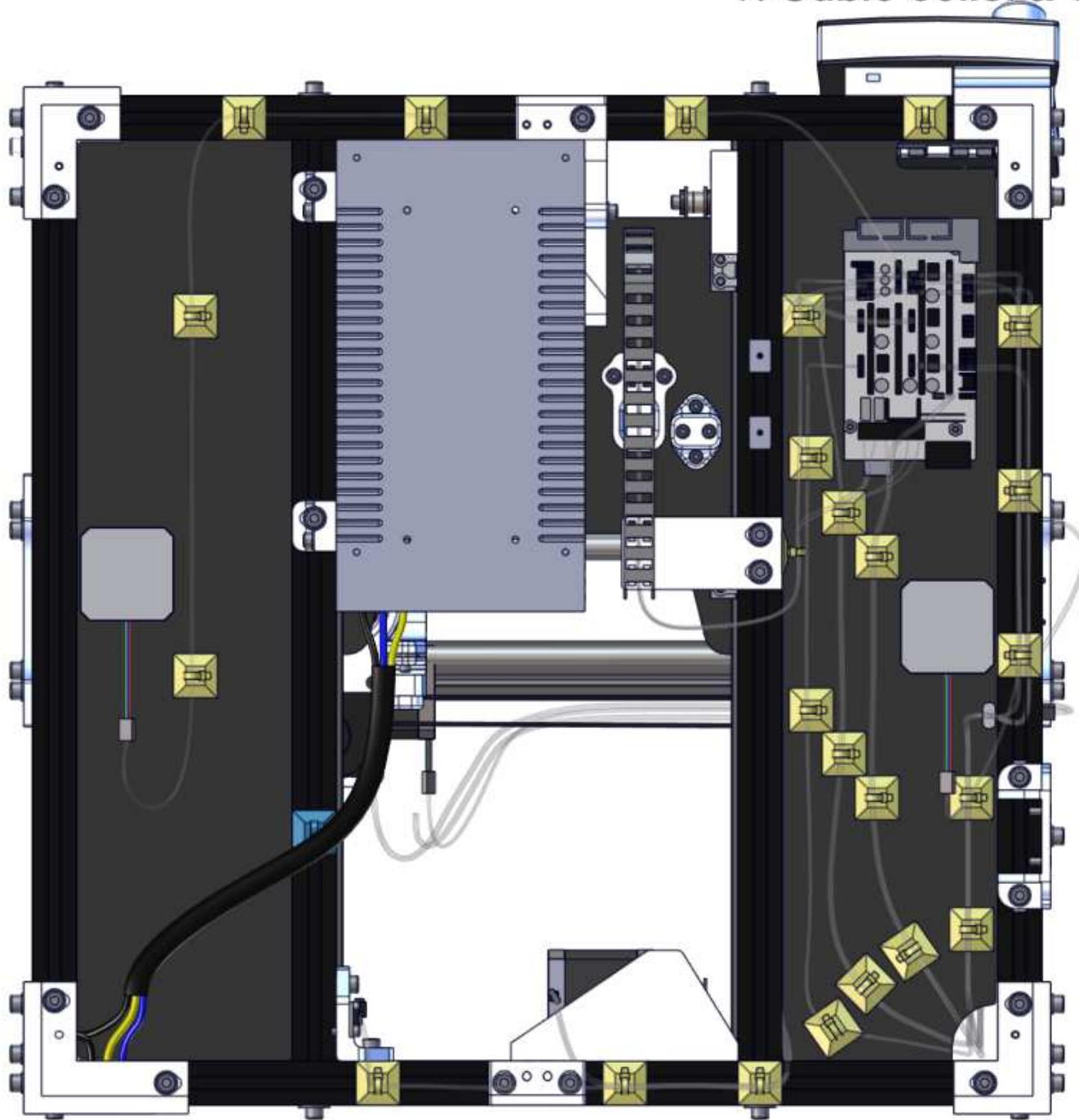




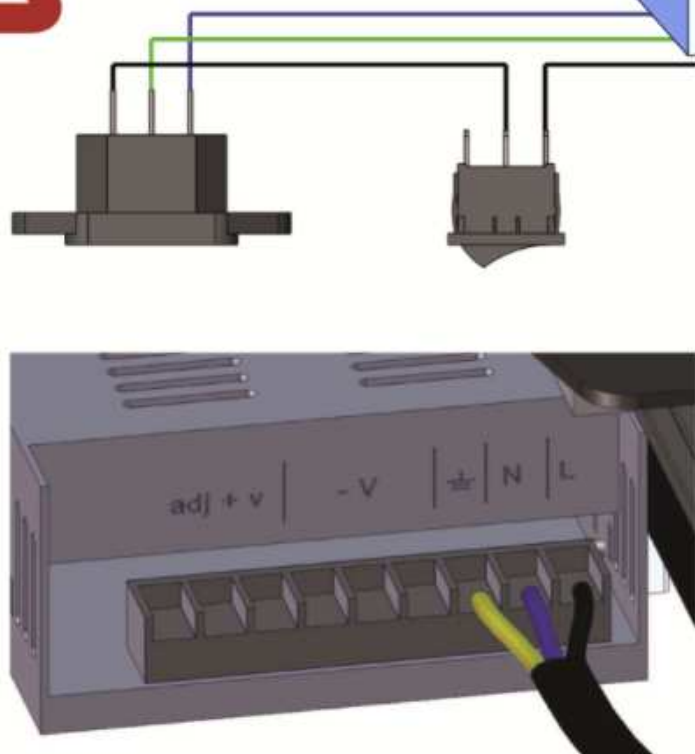


BOM ID	Description	Qty
E1	DIN912 M5x25	3
E2	Upper aluminum platform	1
E3	Hotbed Spring	3





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BOM ID	Description	Qty
F1	DIN7991 M3x10	2
F2	Power Supply Connector	1
F3	DIN934 M3	3
F4	Power Supply Button	1

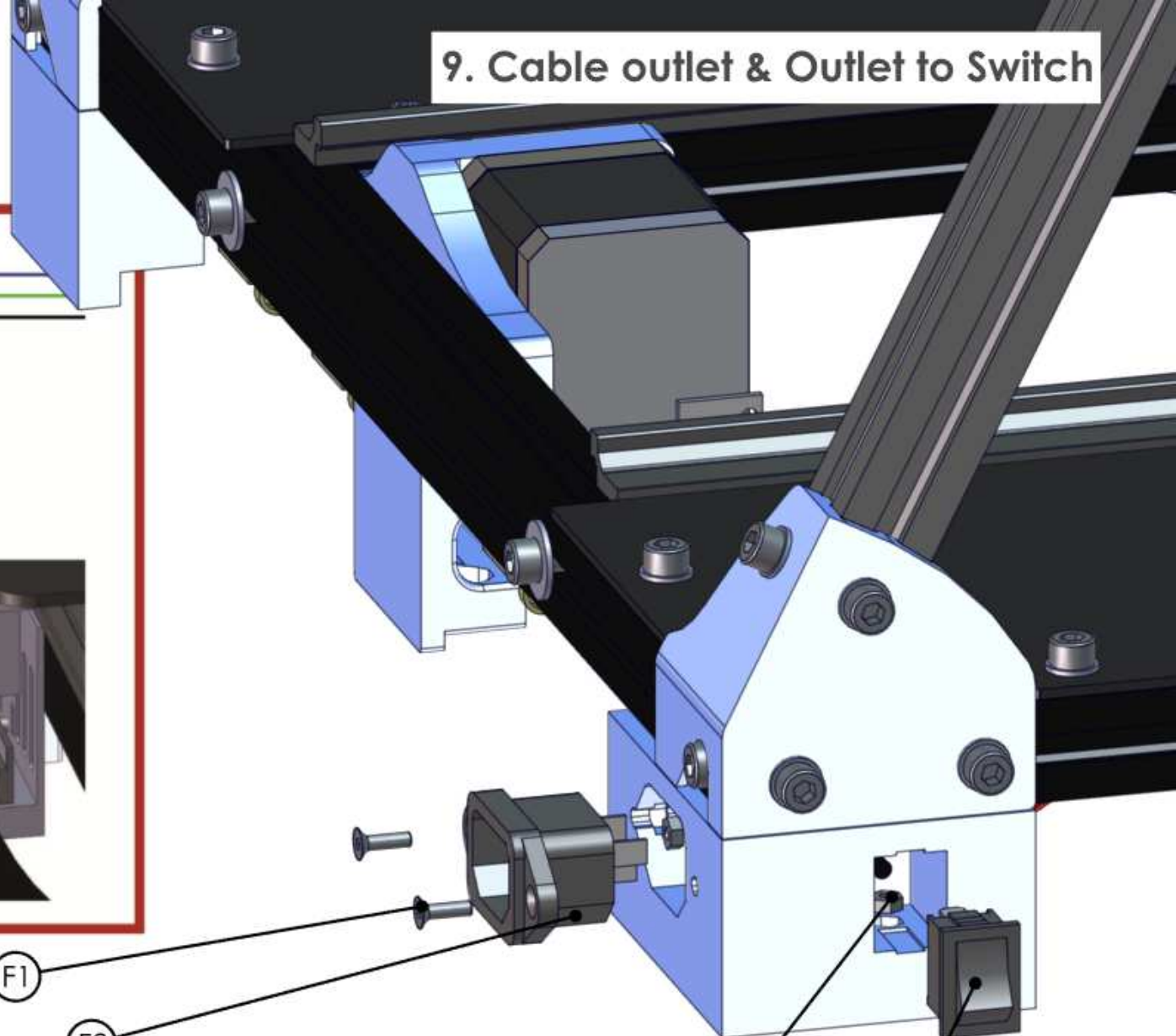
9. Cable outlet & Outlet to Switch

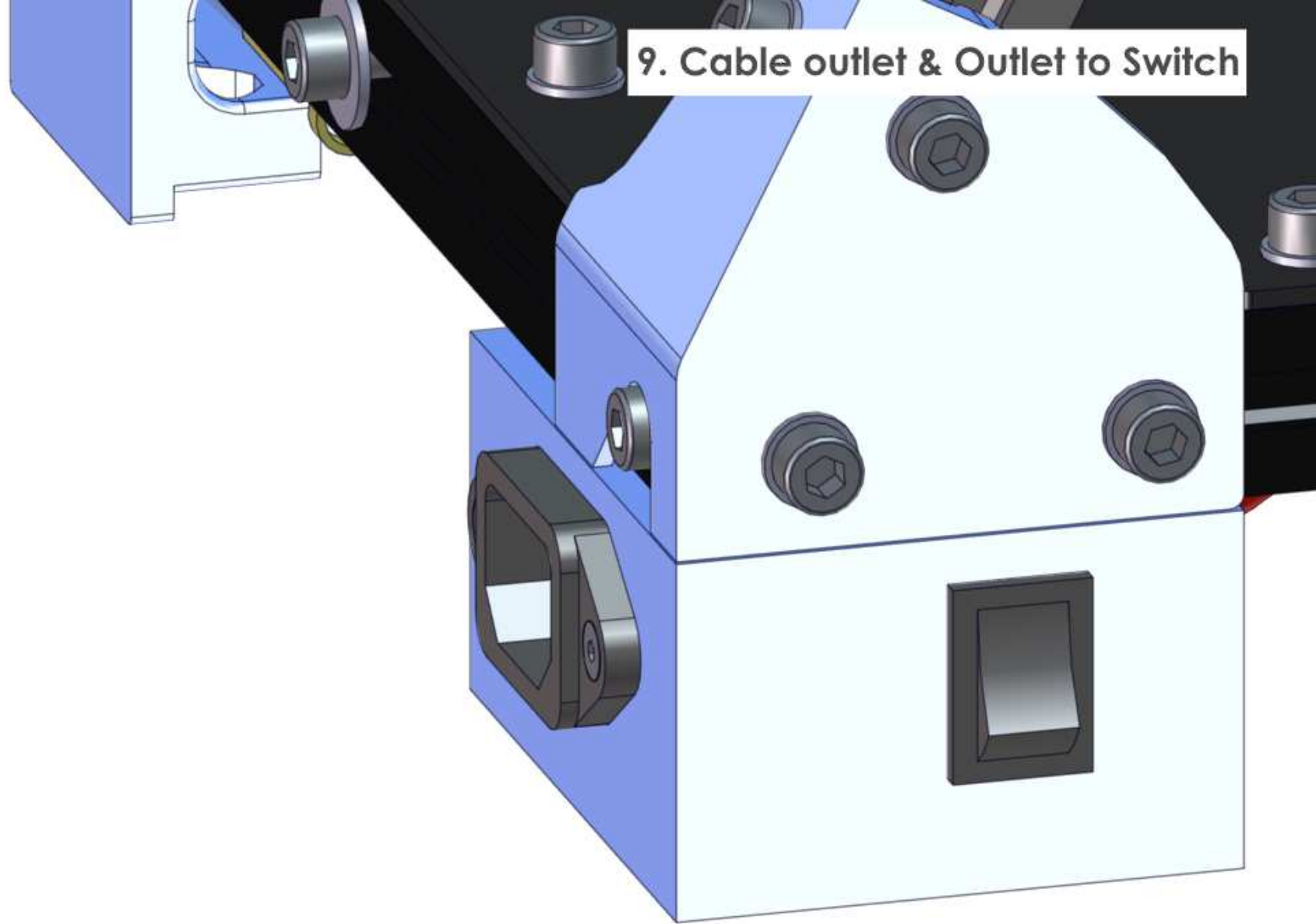
F1

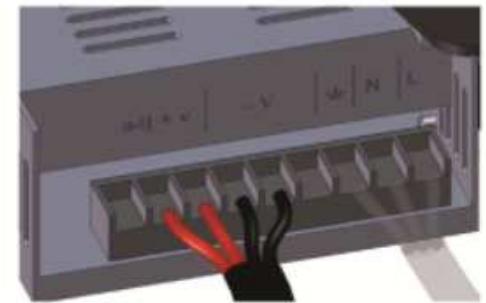
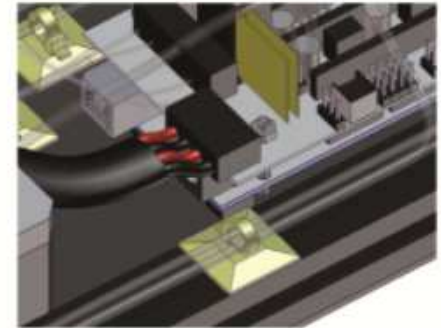
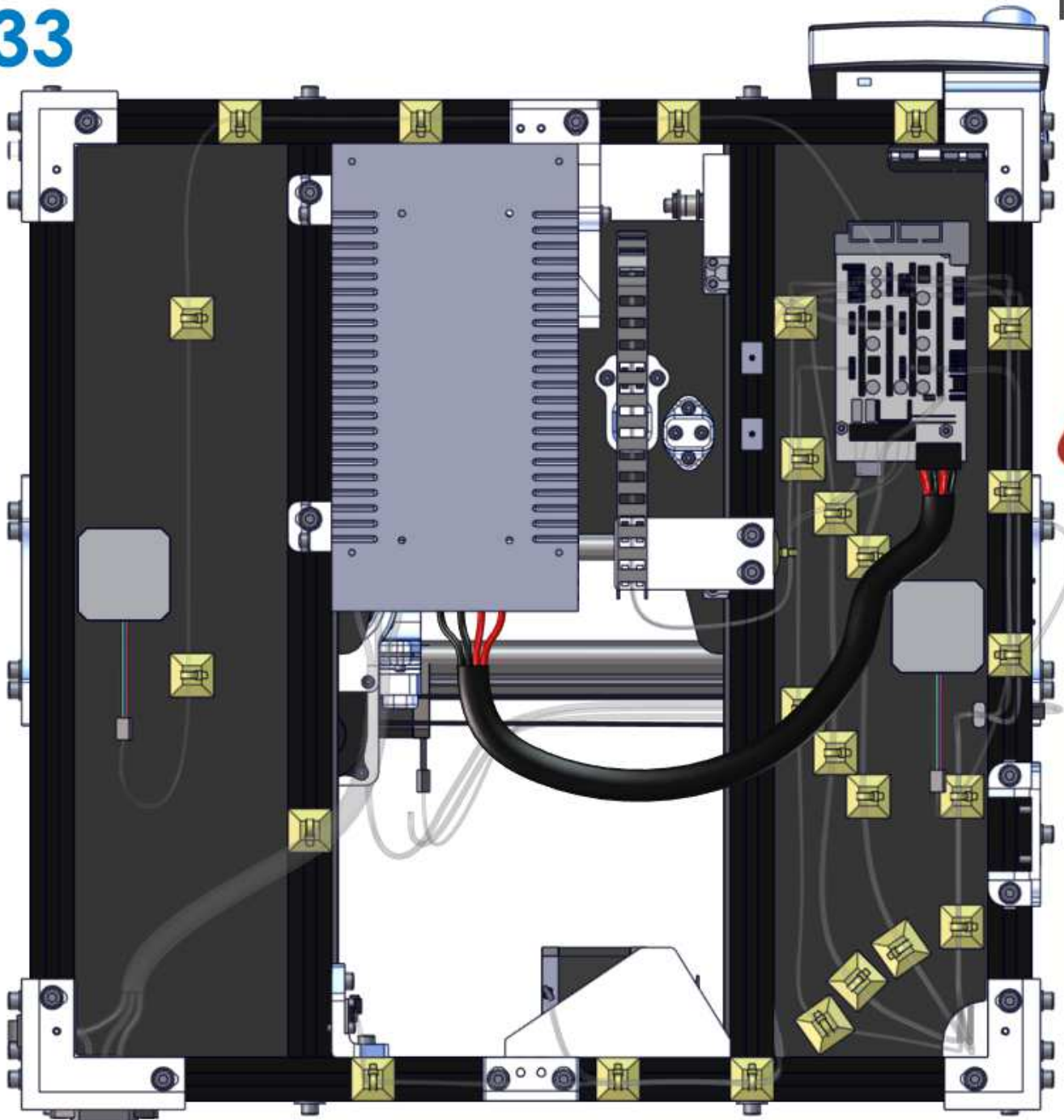
F2

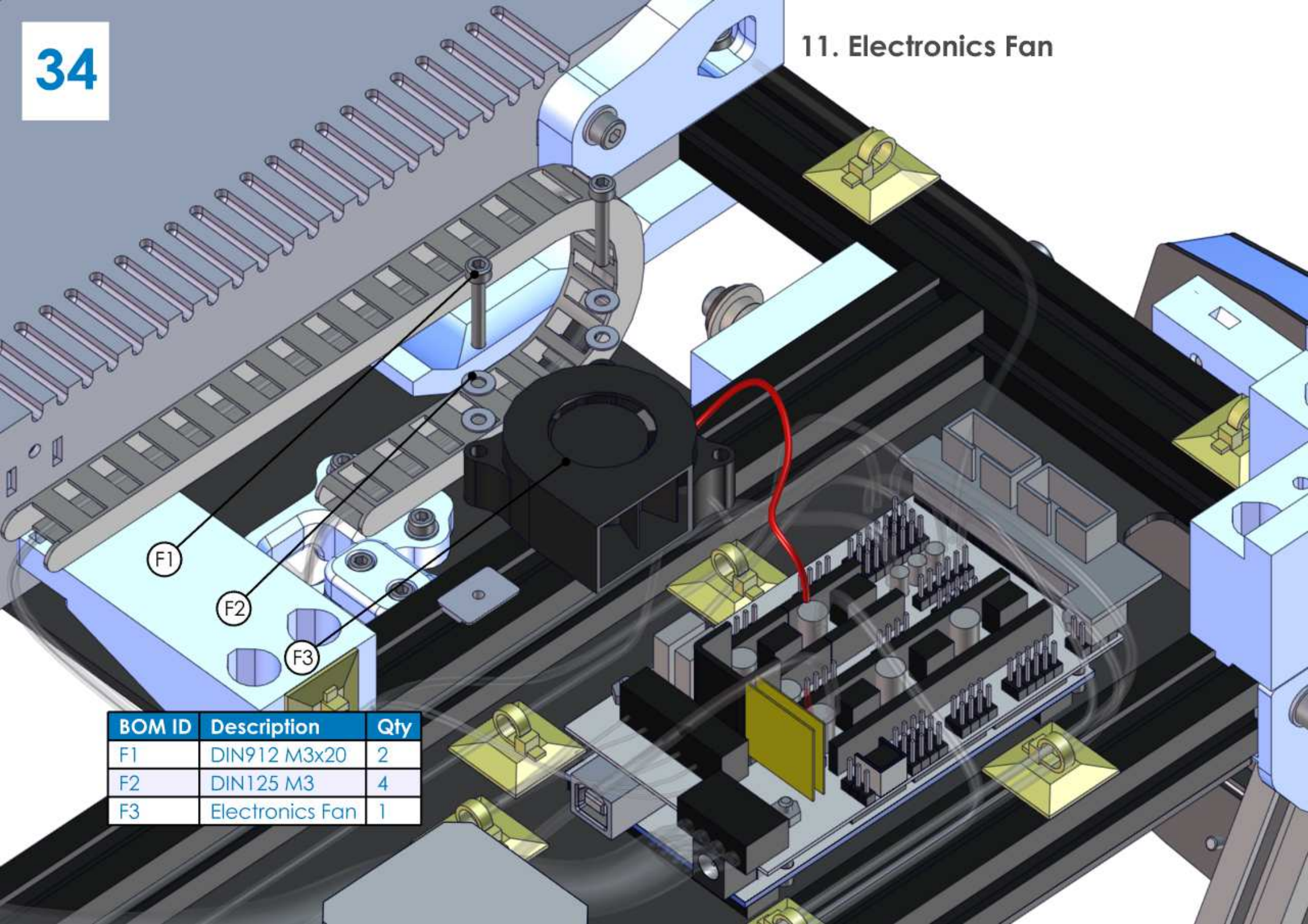
F3

F4

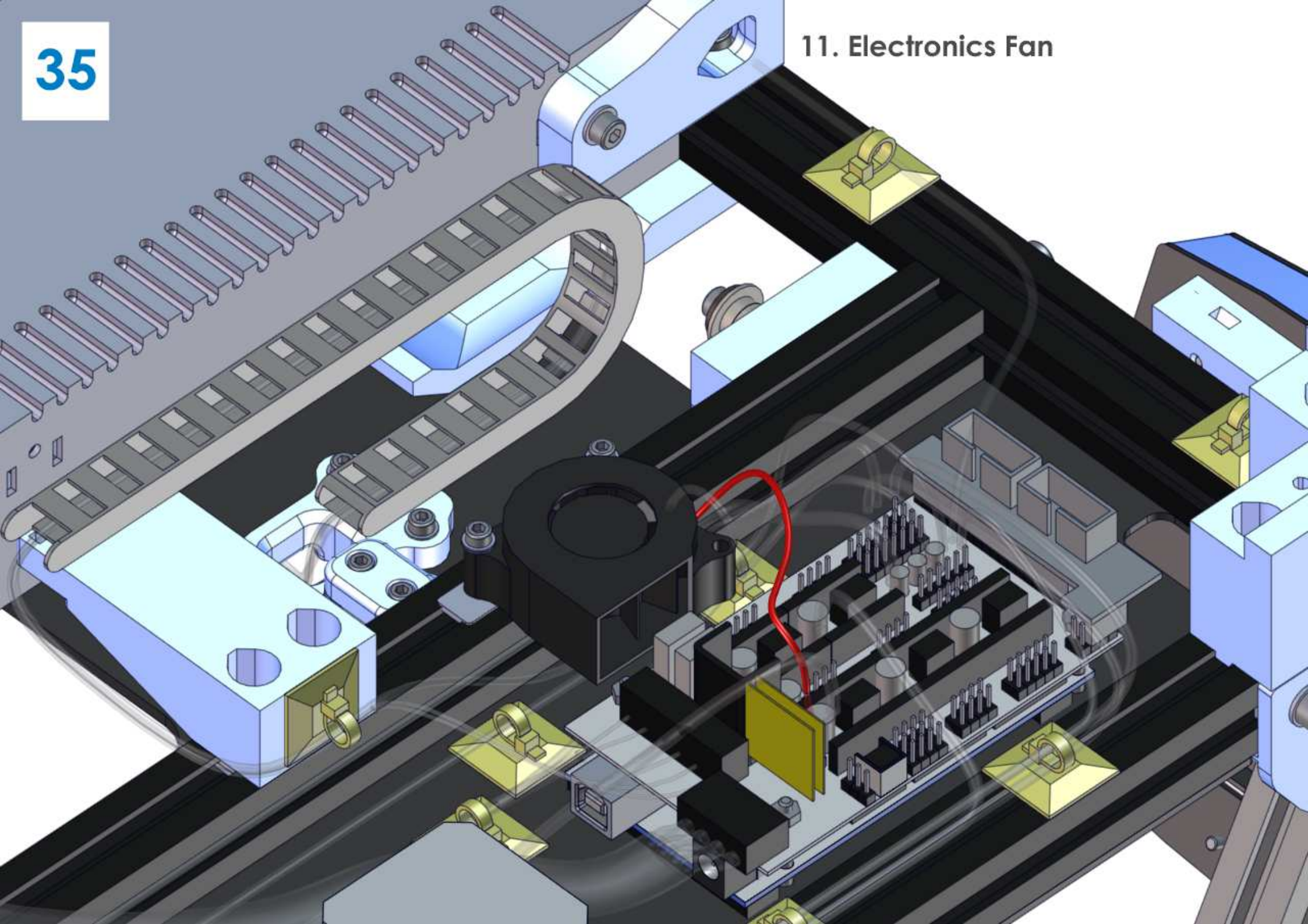


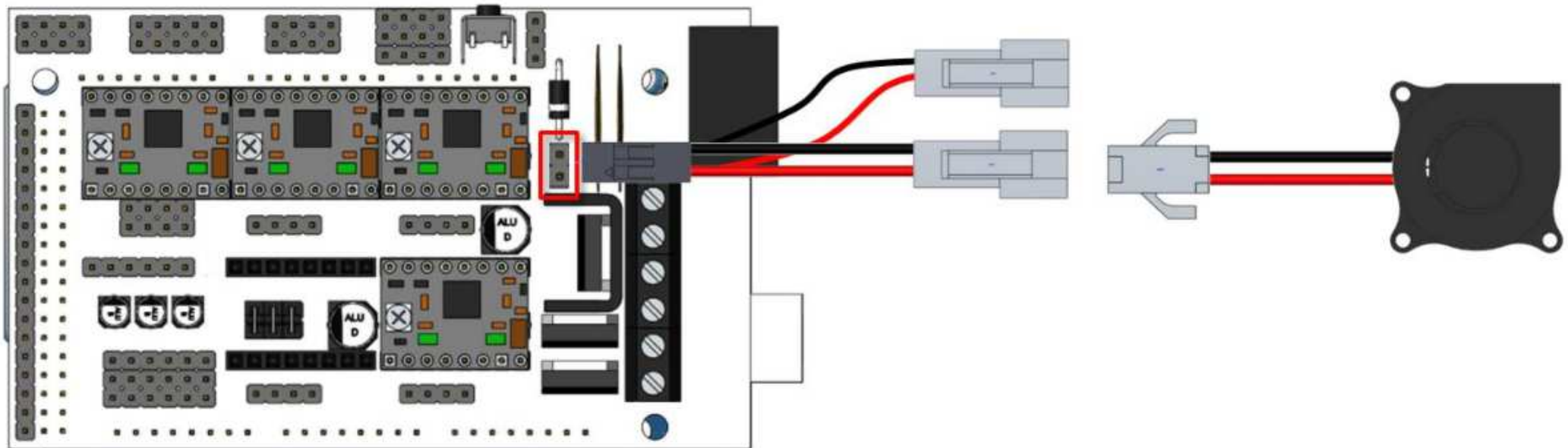




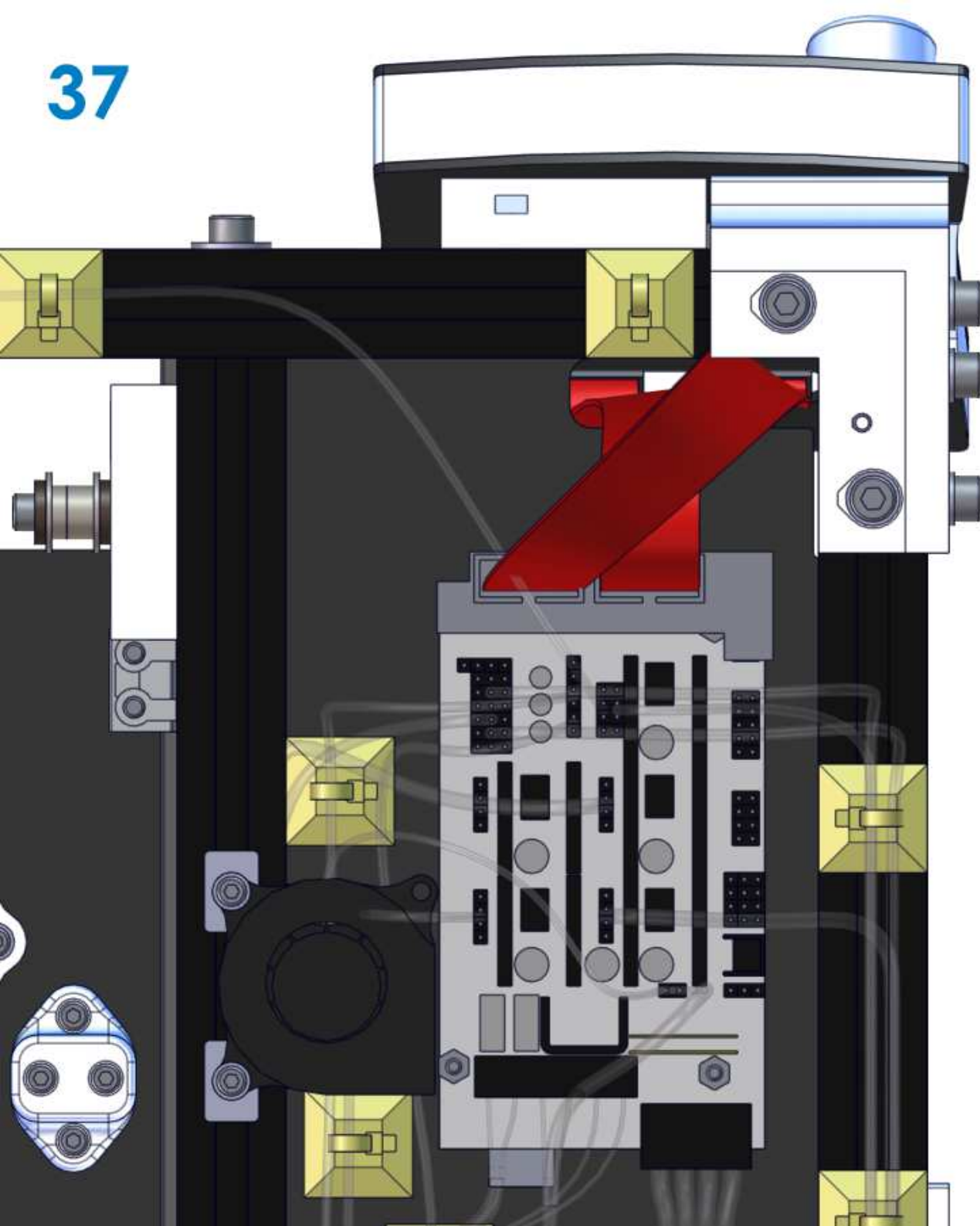


BOM ID	Description	Qty
F1	DIN912 M3x20	2
F2	DIN125 M3	4
F3	Electronics Fan	1

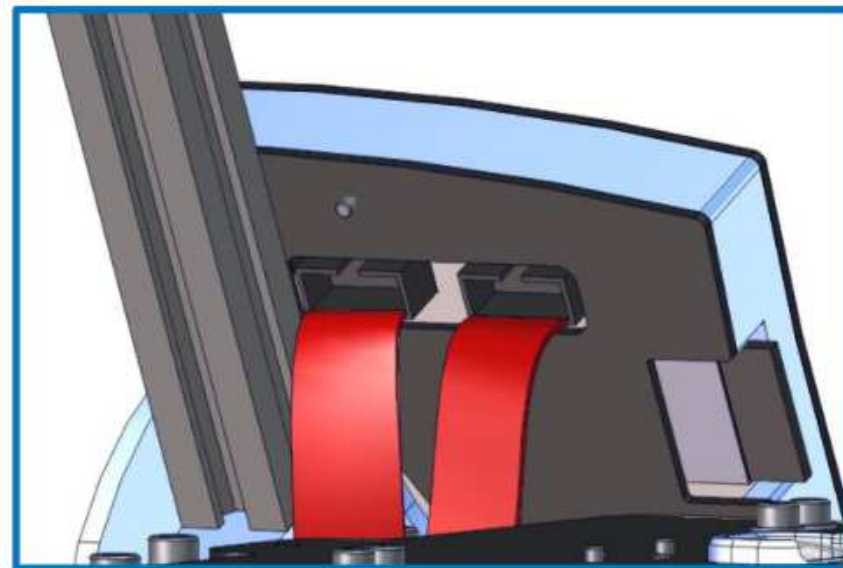


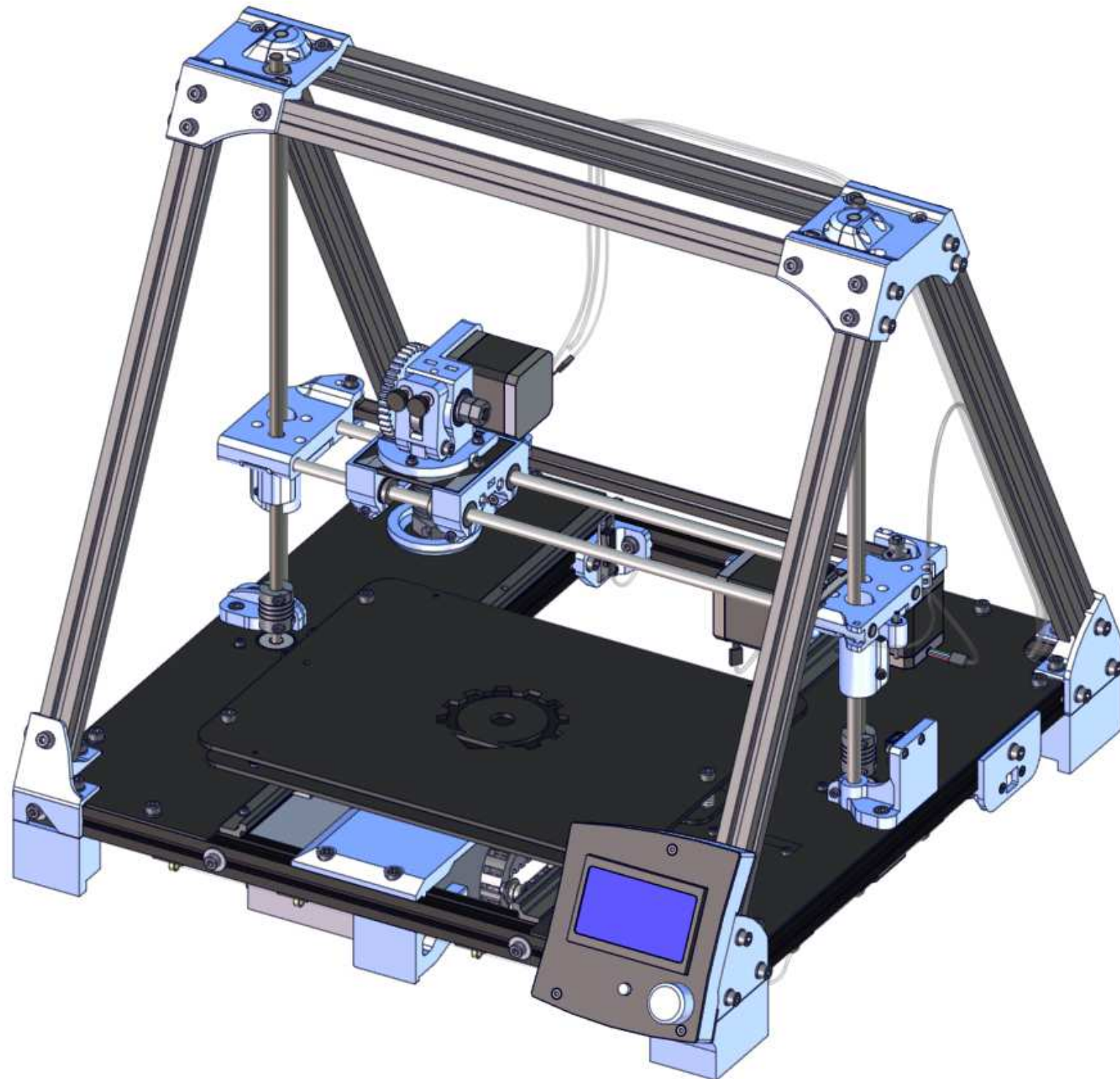


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12. Screen





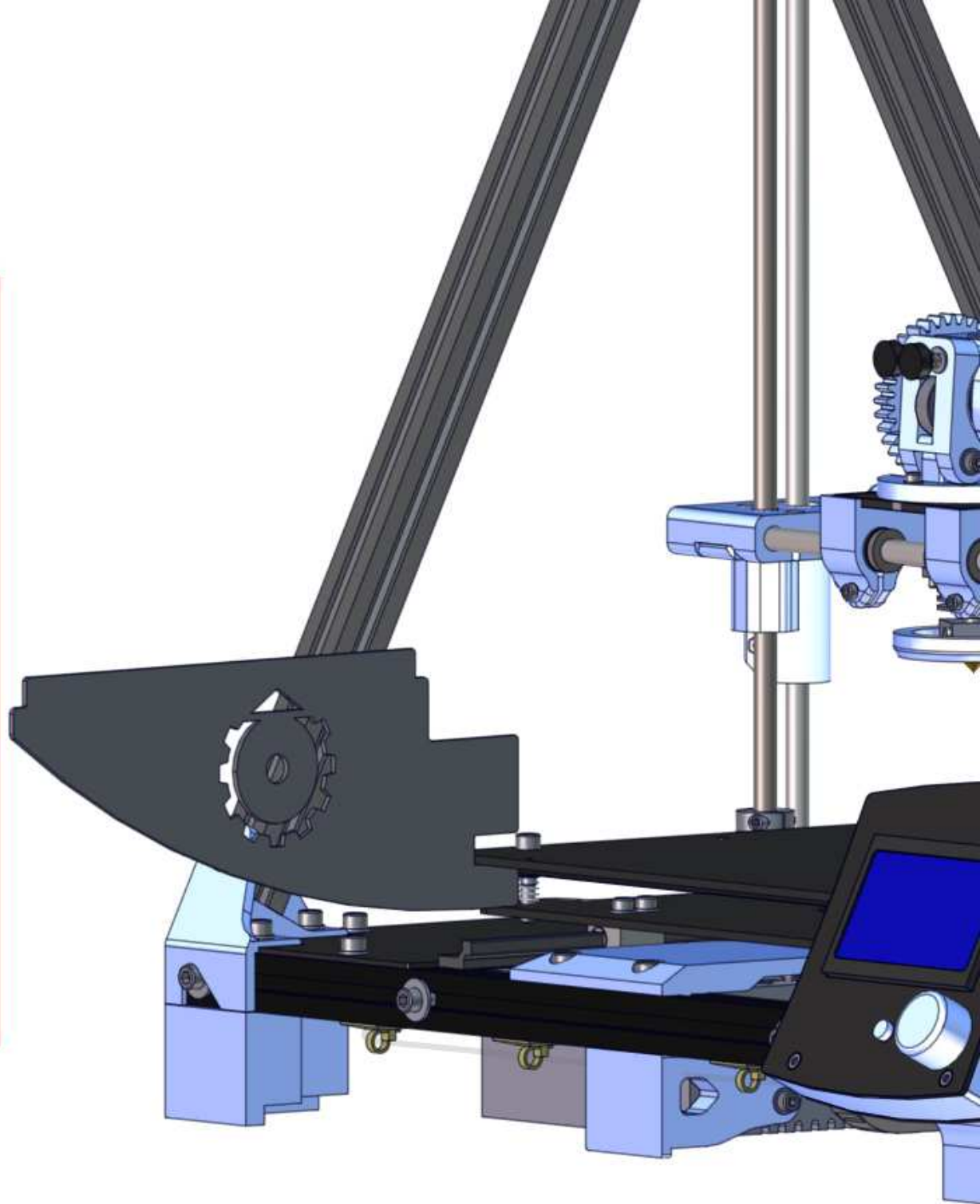


Initial calibration process of the base

To improve the robustness and avoid the frequent miscalibration of the base it is necessary to have the springs with a minimal compensation.

1. Use the assembly tool as reference. Notch placed between two aluminum plates, as it is shown in the Fig.
2. Tightens the nearest regulator screw, compressing the spring until the distance between both plates is just the notch of the assembly tool.
3. Repeat the process by placing the tool near from the other two screws.

After the launch we will eventually calibrate the printer. But the distance between the plates should NEVER be higher than it has already been determined.





Initial calibration process of the base

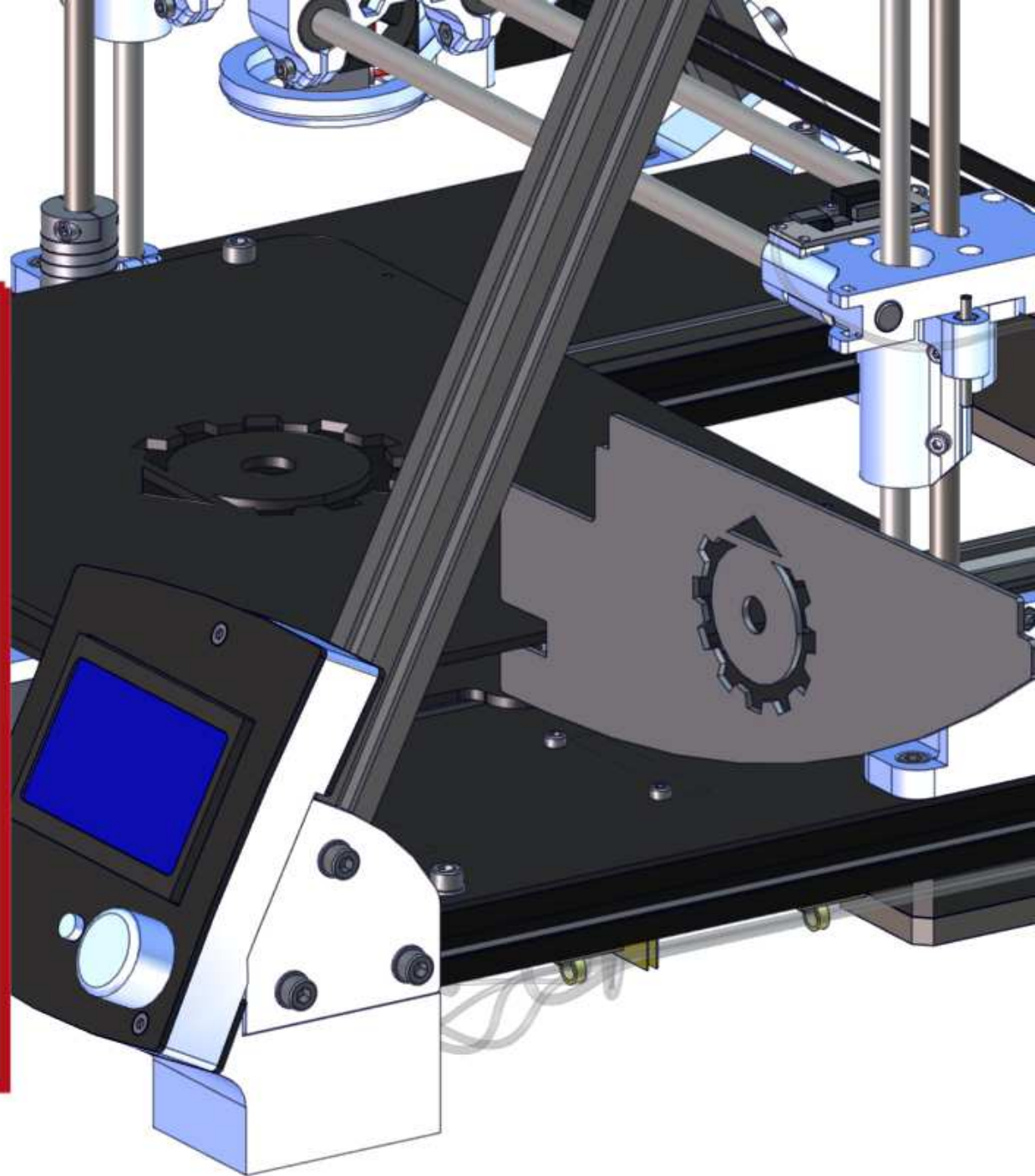
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3. Repeat the process by placing the tool near from the other two screws.

After the launch we will eventually calibrate the printer. But the distance between the plates should NEVER be higher than it has already been determined.

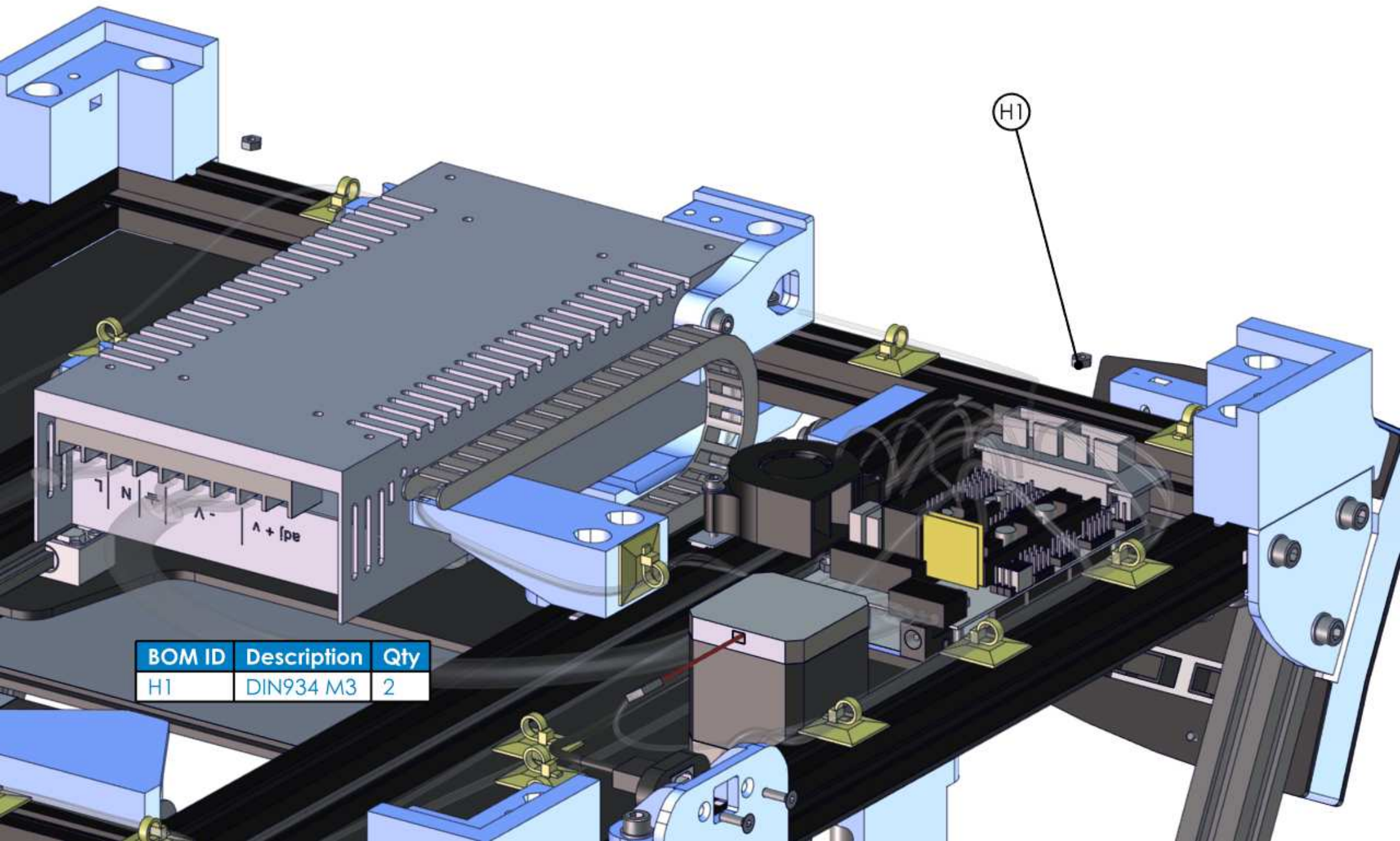


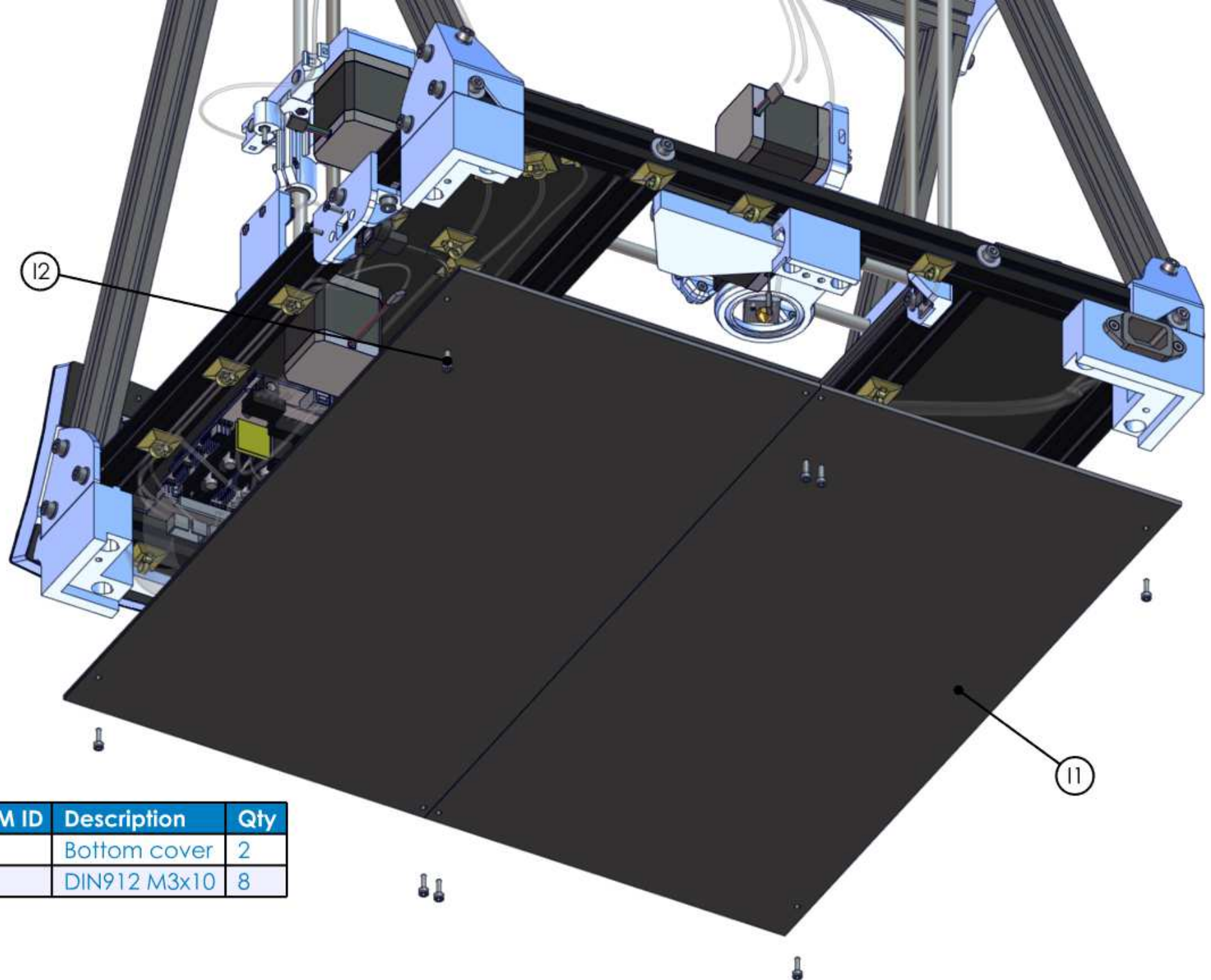
G1

G2

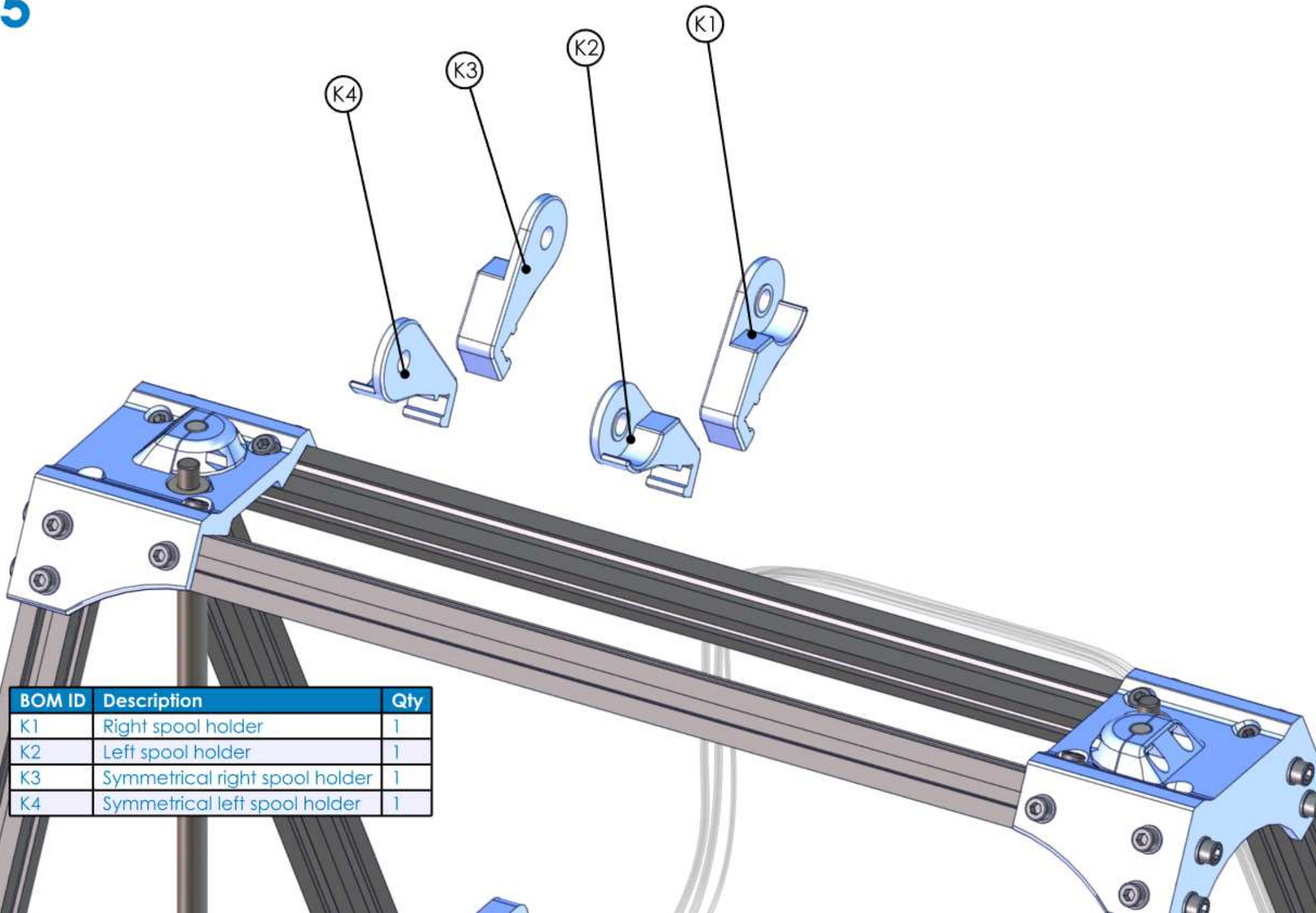
BOM ID	Description	Qty
G1	DIN7991 M3x10	2
G2	USB Extension Cable	1

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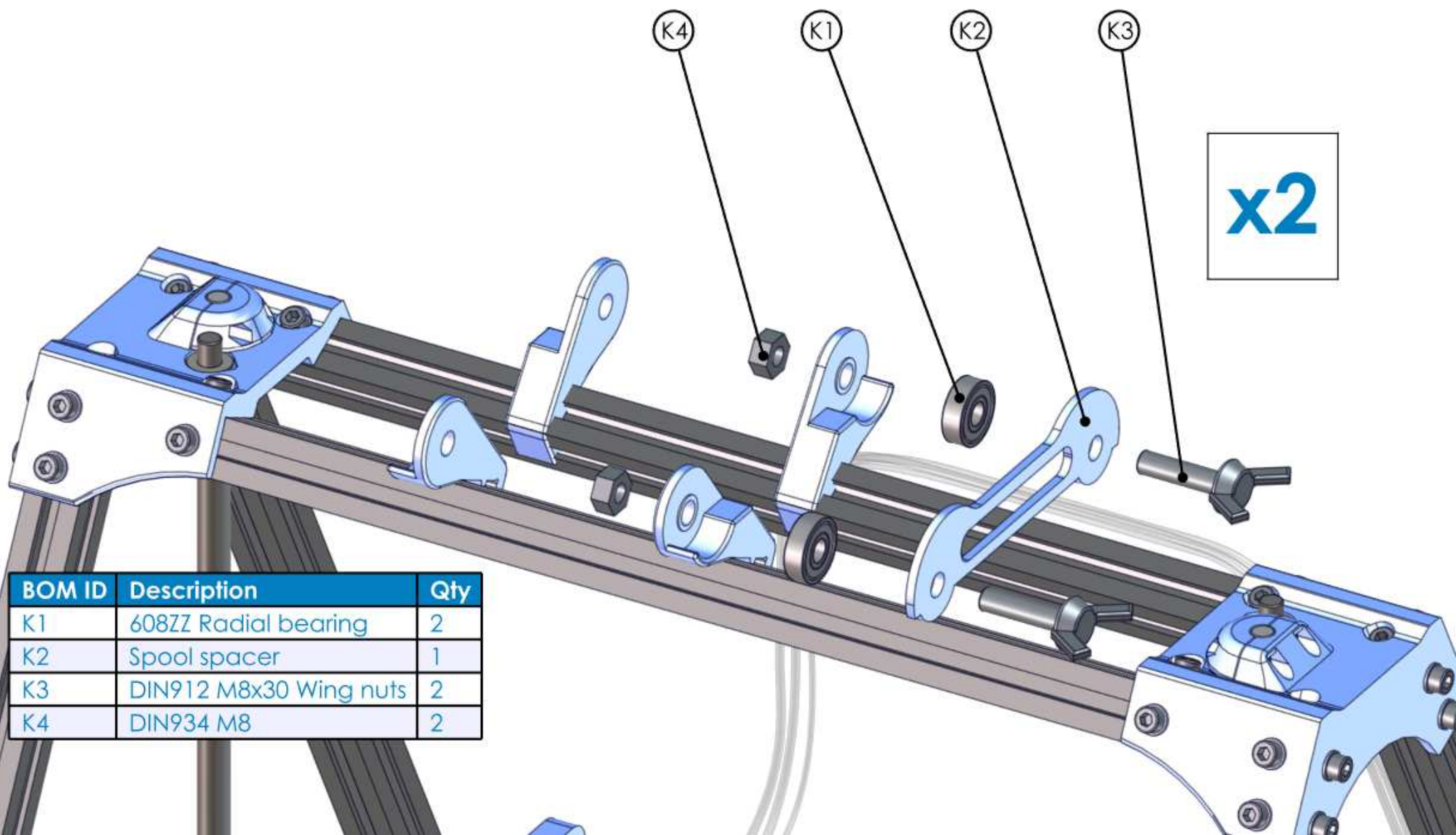




BOM ID	Description	Qty
11	Bottom cover	2
12	DIN912 M3x10	8



BOM ID	Description	Qty
K1	Right spool holder	1
K2	Left spool holder	1
K3	Symmetrical right spool holder	1
K4	Symmetrical left spool holder	1



BOM ID	Description	Qty
K1	608ZZ Radial bearing	2
K2	Spool spacer	1
K3	DIN912 M8x30 Wing nuts	2
K4	DIN934 M8	2

