

MOVABLE ROBOT HAND

PRINTED WITH PLA OR PETG

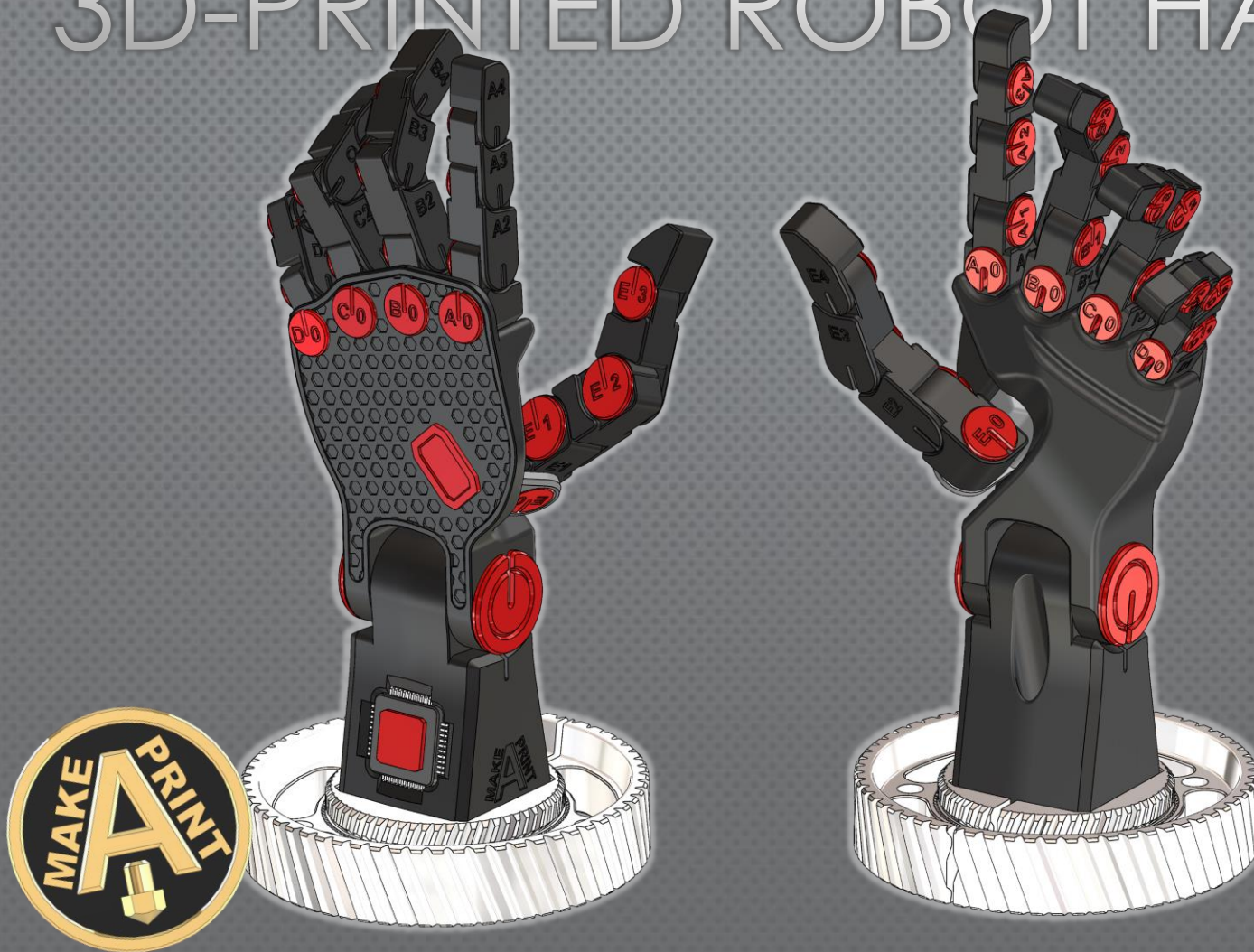
No gluing!
Everything
plugged
together



Realistic
movements like
a human hand

ASSEMBLY INSTRUCTION

3D-PRINTED ROBOT HAND



1. 3D-Printing

Print the complete „Robot Hand“-Set, consisting of:

Robot Hand Part 1



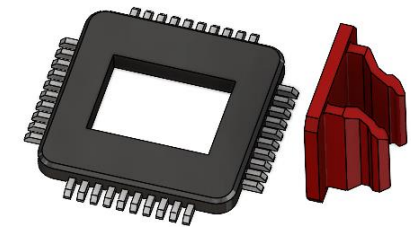
Robot Hand Finger A, B, C, D and Thump E



Robot Hand Part 3 Wall mount

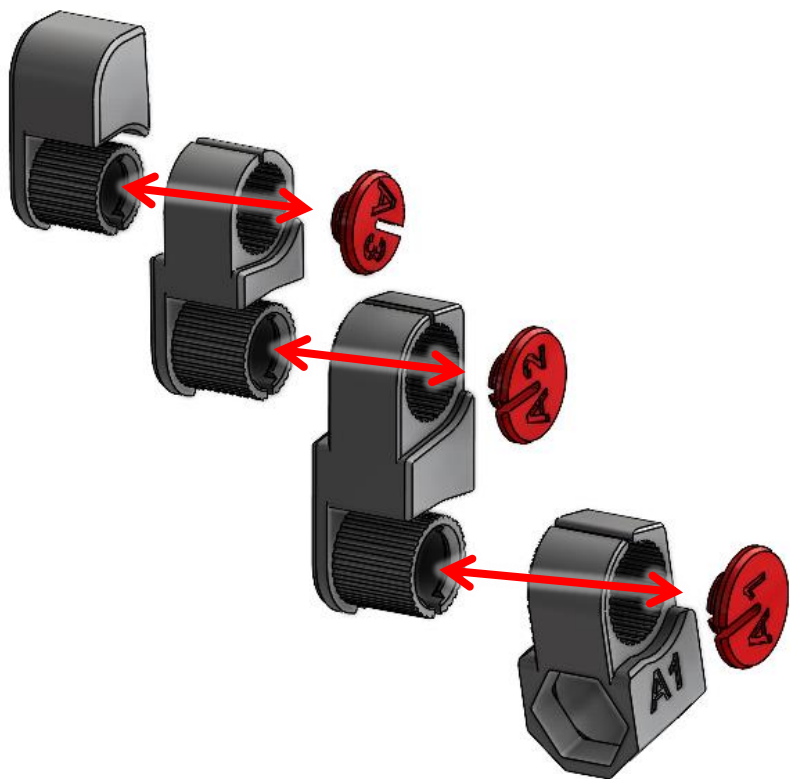


Robot Hand Part 4 Robot CPU



2. Assemble Finger A

Put the Finger Parts A1 to A4 together.
Press the counterparts (red parts) into the
shown position until they click into place.



Pay attention to the numbering



3. Assemble Finger B, C, D

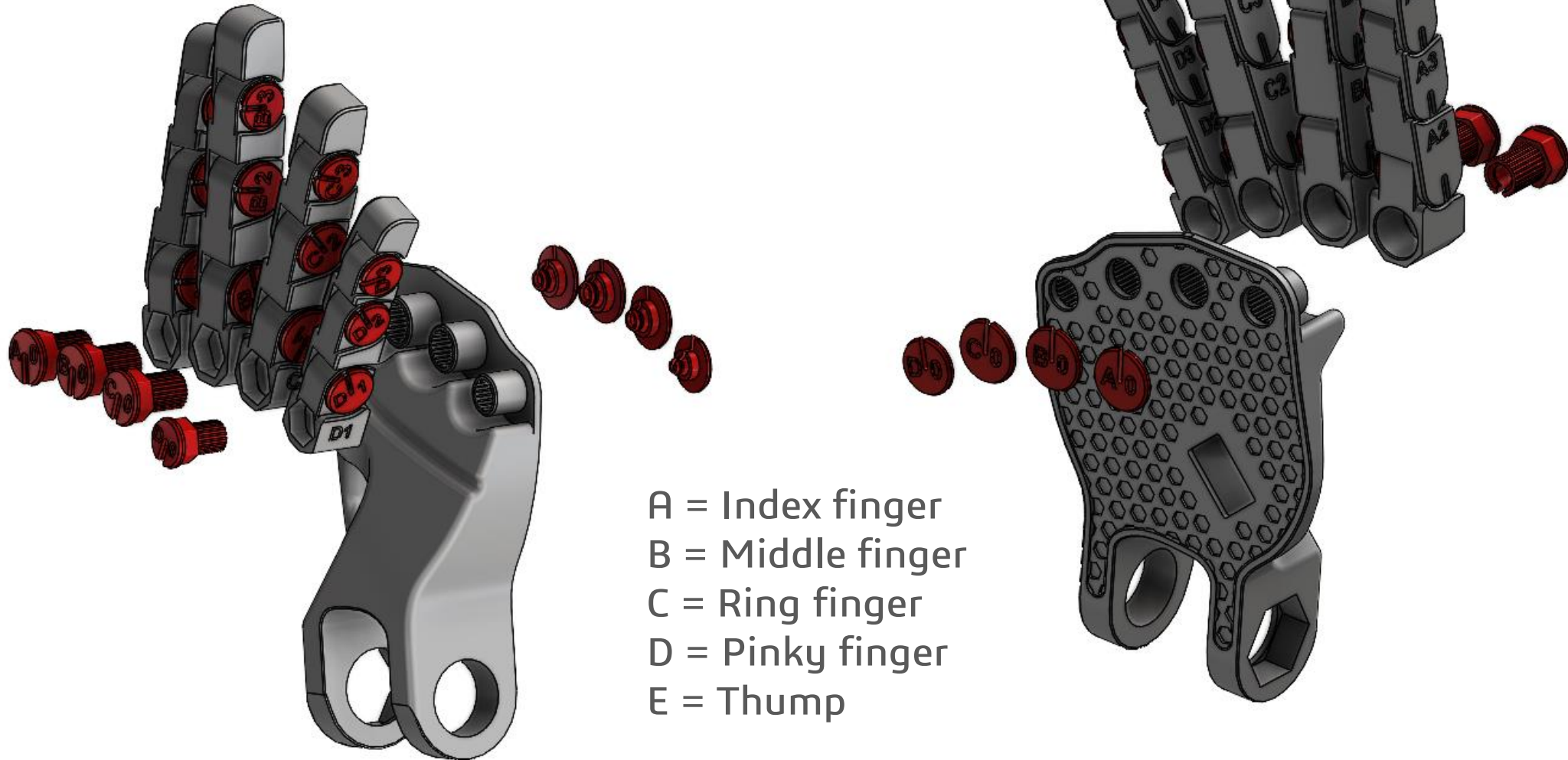
Put the other fingers together according to their numbering

Pay attention to the position of the numbering!



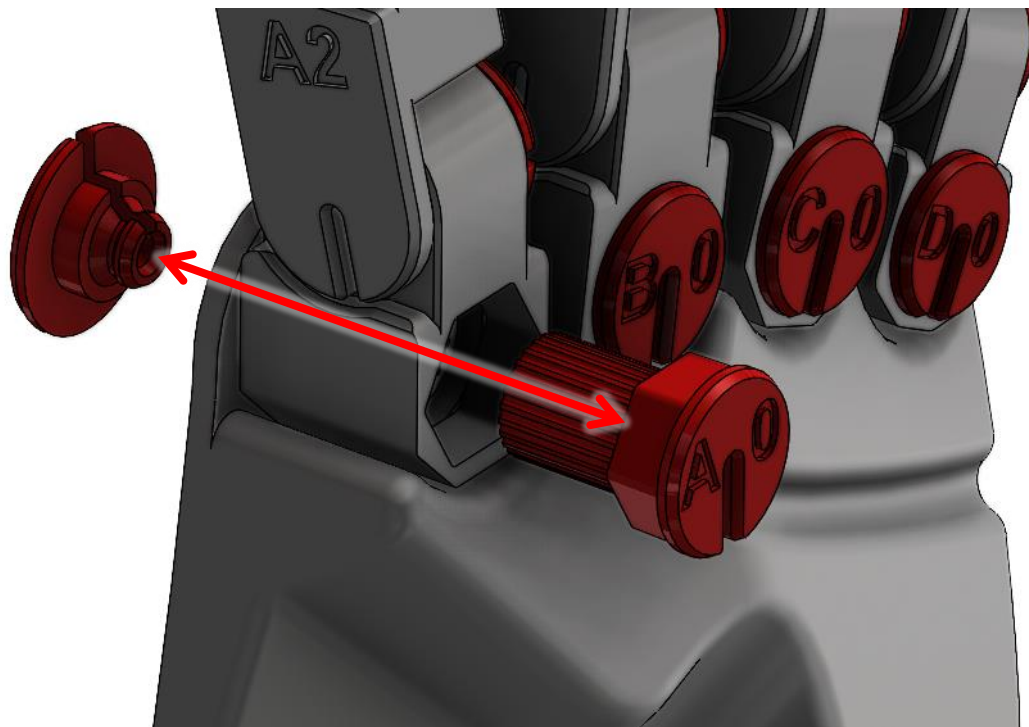
4. Assemble the Fingers to the Hand

Put the pre-assembled fingers on the circles of the hand and counter them to parts A0 to D0.



4.1 Assemble the Fingers to the Hand

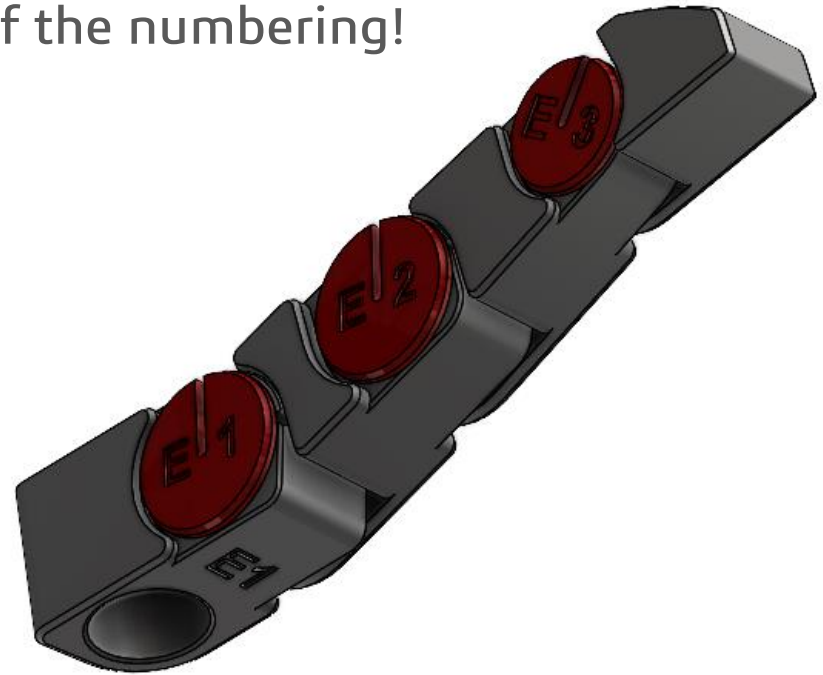
Pay attention to the alignment of the hexagon. The finger, the hand and the A0 (B0, C0, D0) parts are pressed together until it clicks into place.



5. Assemble the Thump E

Put the Finger (Thump) Parts E1 to E4 together:

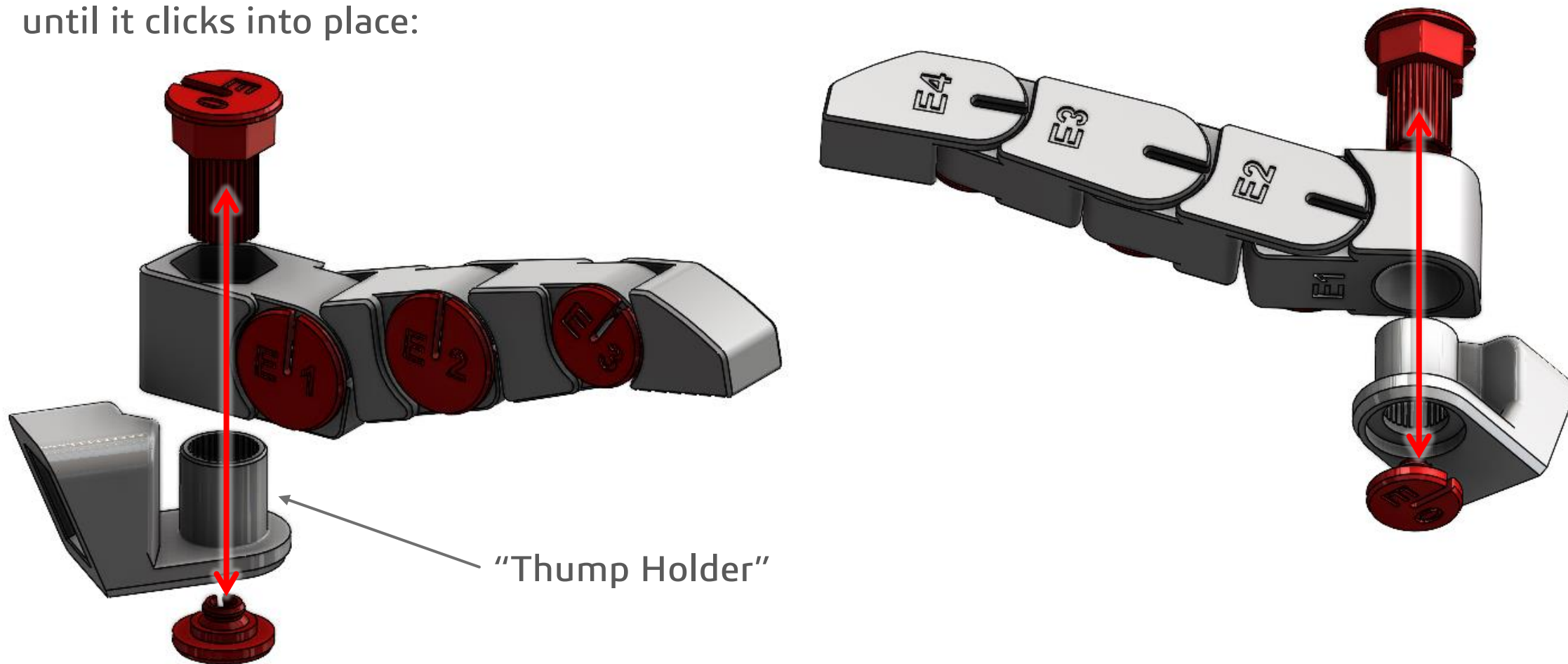
Pay attention to the position of the numbering!



6. Assemble the Thump E

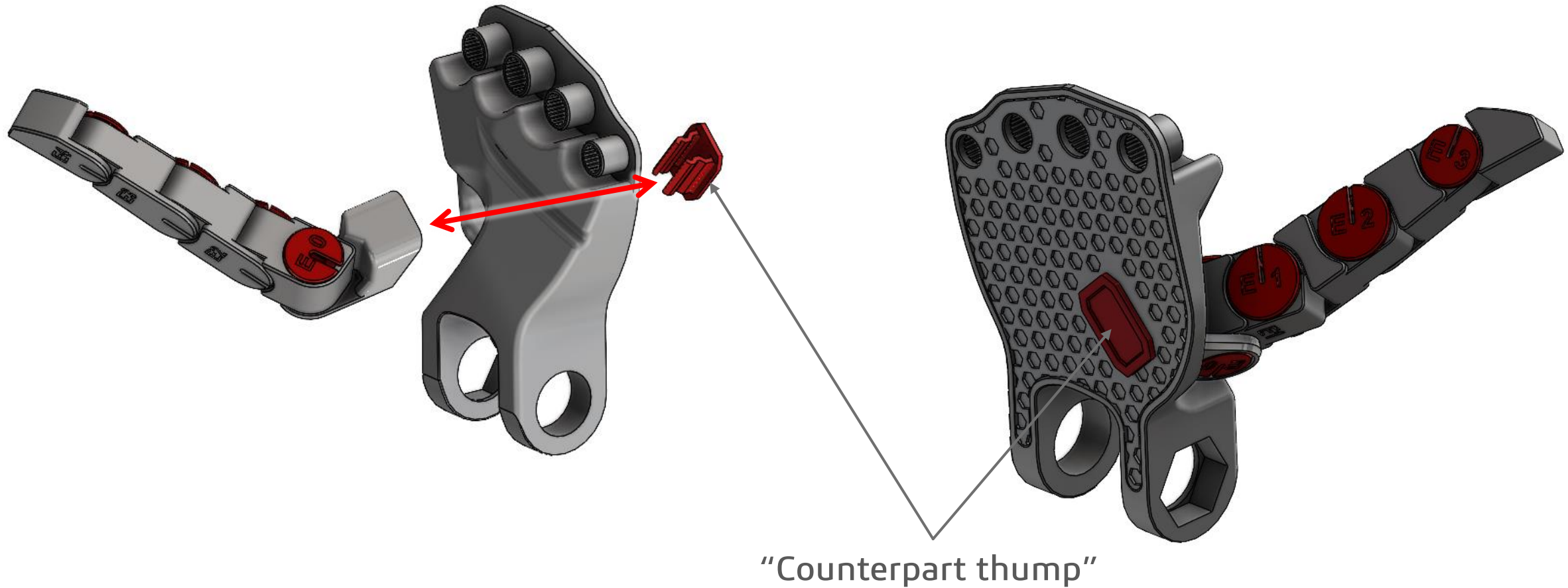
Pay attention to the alignment of the hexagon.

Press the E0 parts with the "Thump Holder" together until it clicks into place:



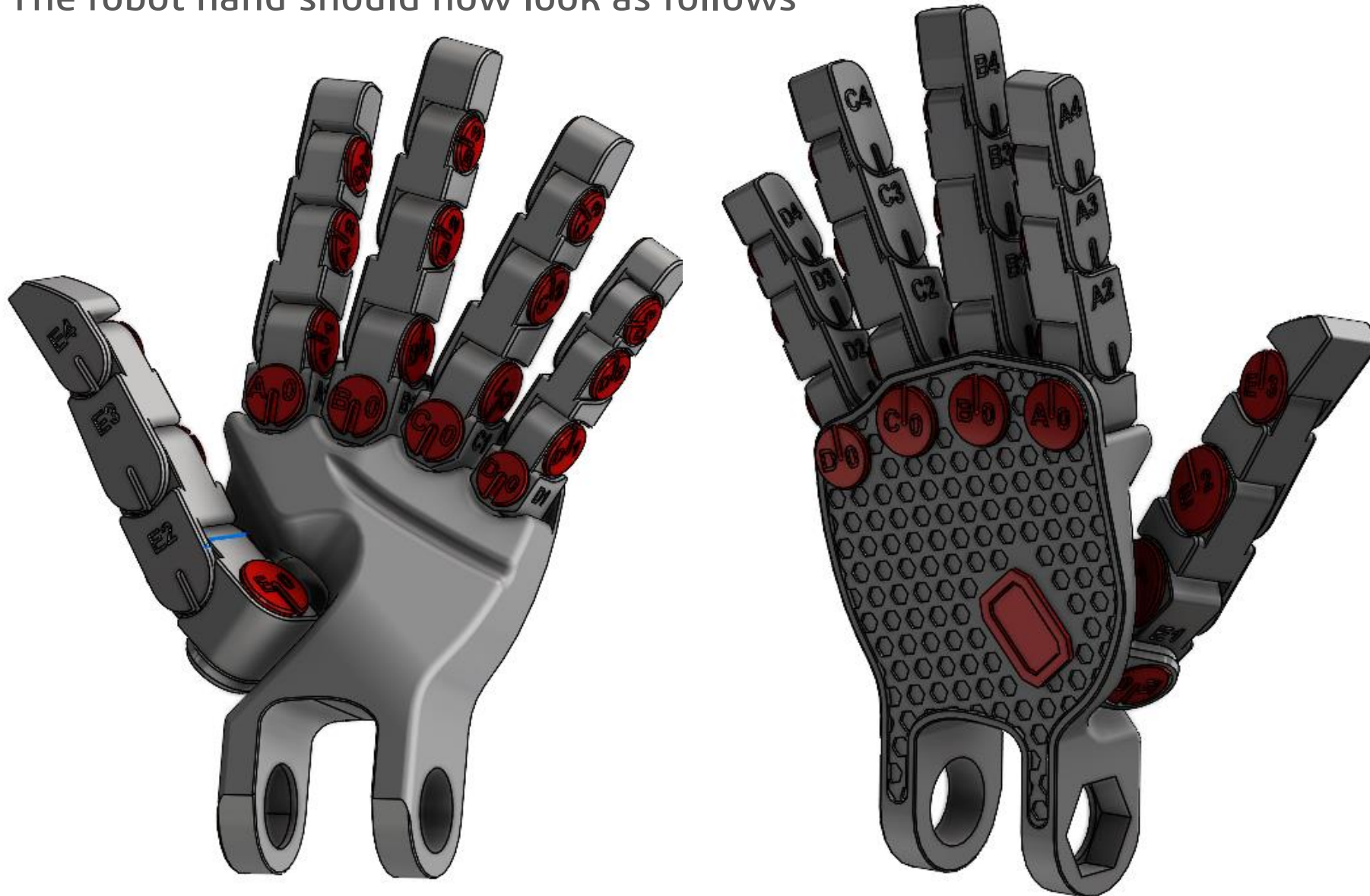
7. Assemble the Thump to the Hand

Place the thumb in the slot of the hand (pay attention to the orientation) and insert the counterpart into the thumb until it clicks into place.



8. Hand inspection

The robot hand should now look as follows

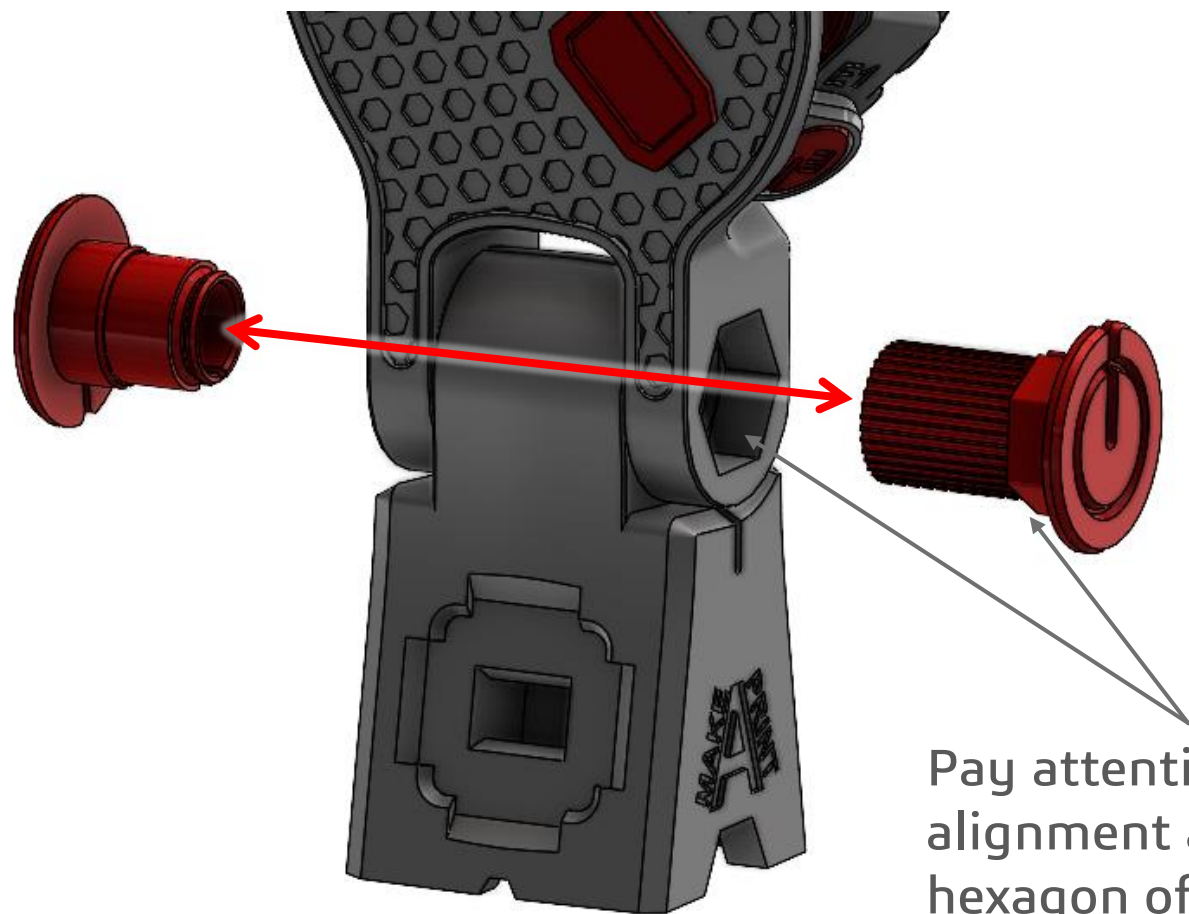


If something has been assembled incorrectly, please carefully remove the counterpart with a pointed object (e.g. screwdriver, spatula) and reassemble.

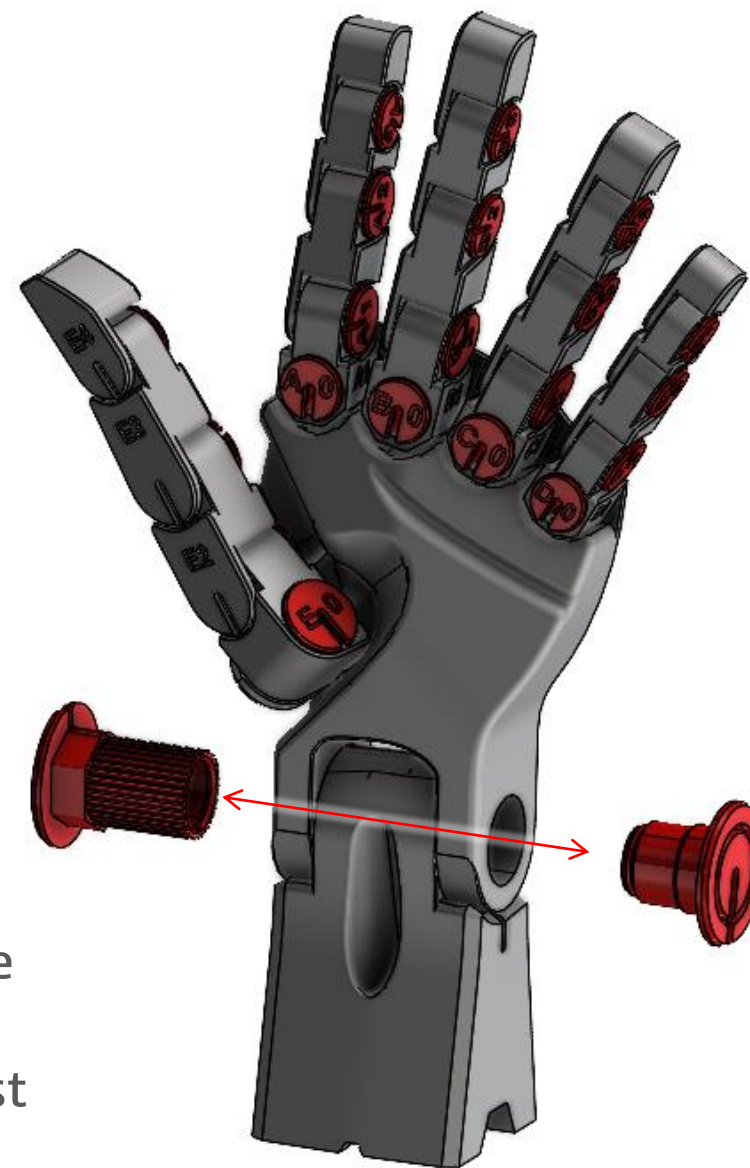
9. Assembly of the wrist

Put the wrist together as shown.

The two counterparts (red parts) must snap into each other

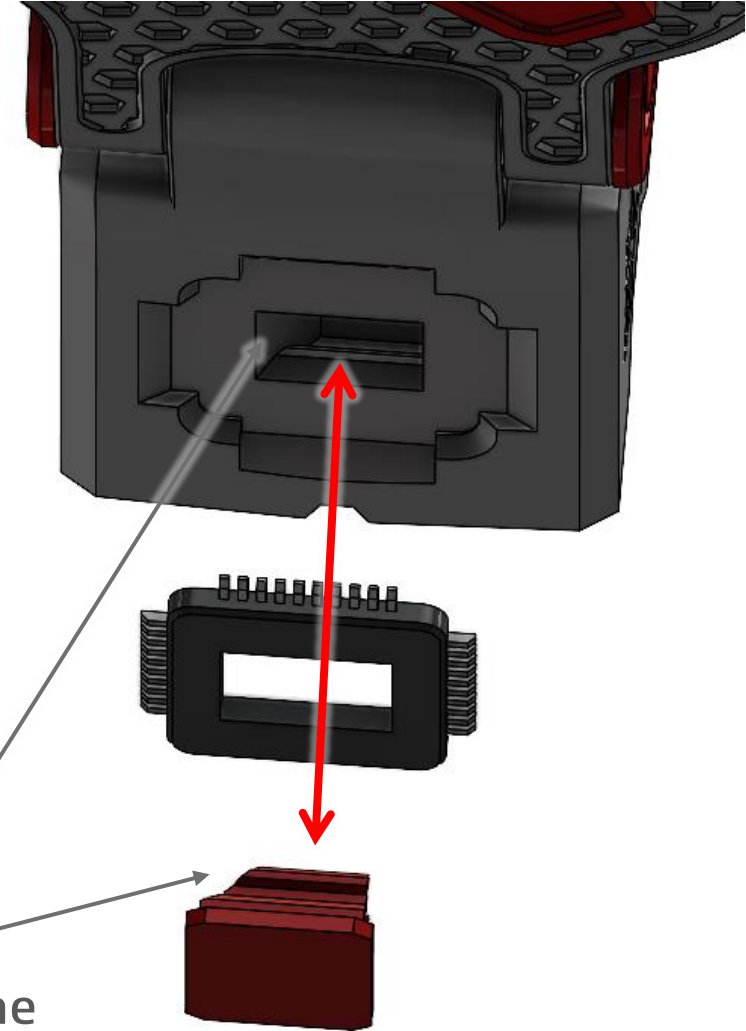
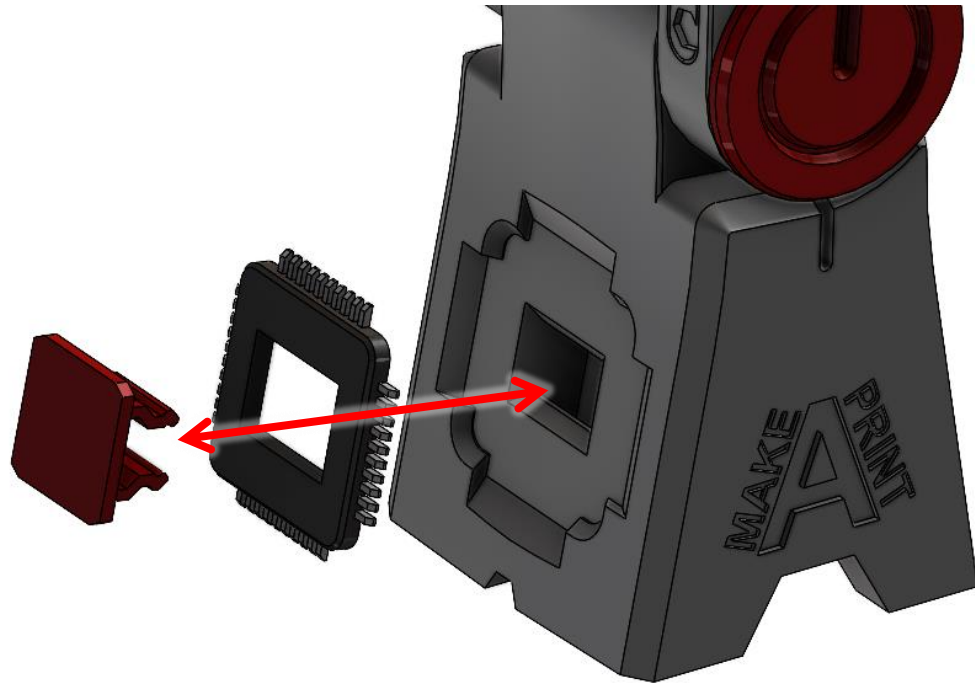


Pay attention to the alignment and the hexagon of the wrist



10. Assembly of the CPU

Place the CPU in the right position.
Place the clip over it until it clicks into place.



Pay attention to the alignment.
The chamfered sides must fit together

10. Assembly of the Wall mount

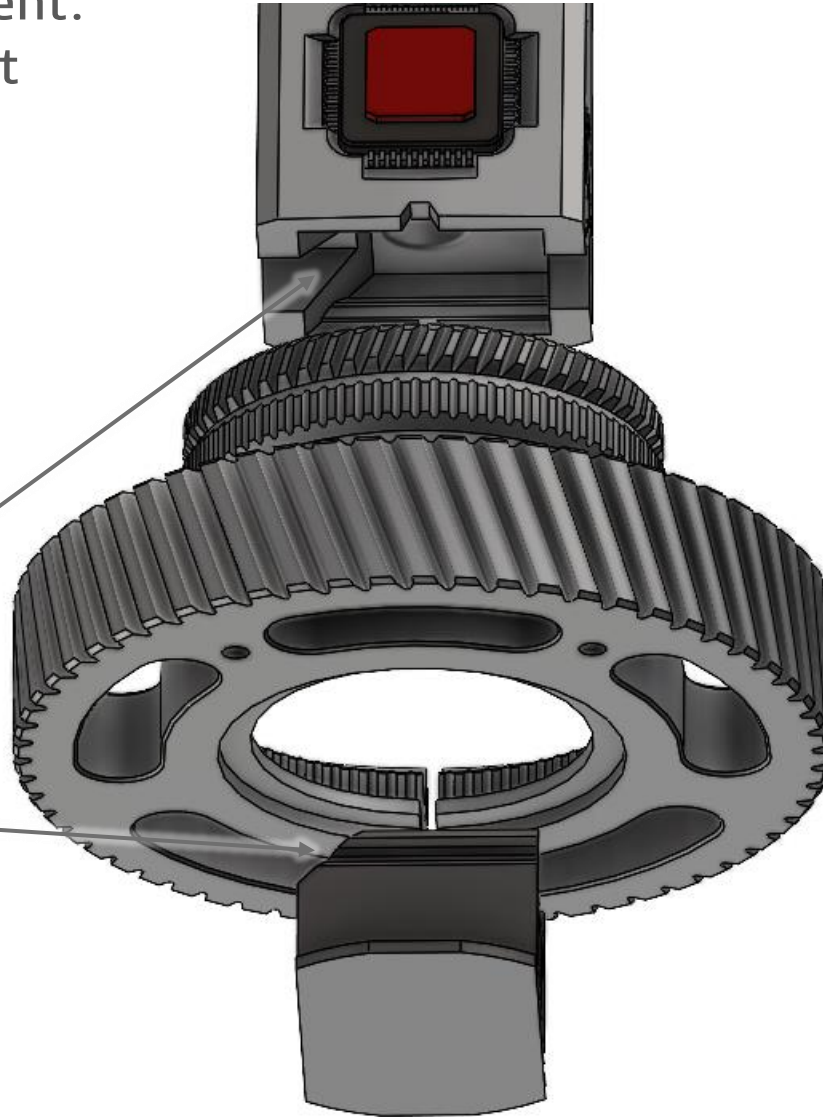
Place the parts of the "Wall mount" in the right position.
Place the counterpart (clip) over it until it clicks into place.



10.1. Assembly of the Wall mount

Pay attention to the alignment.
The chamfered sides must fit together.

The chamfered sides



The assembly of the robot hand should now be completed.

I hope you had fun with printing and assembling it!

**I would be happy to receive your feedback.
Thank you.**

With kind regards



**Make-A-Print
Alexander**

