

MONOKEI Kei v2

EC Build
Instructions



What's Included

Your purchase of MONOKEI Kei v2 comes with the following parts. Kindly ensure that your parts are complete before beginning the assembly process.

1 × **Top Case** 60% WK / 60% HHKB / 65%

1 × **Bottom Case**

1 × **EC Pack**

- 1 × EC 1U Housing
 - 25 × EC Screws
 - 1 × Shims (set of 8 pieces)
 - 1 × 60 / 65 EC PCB in ESD Bag
 - 1 × 60 / 65 EC Plate
-

1 × **Bluetooth Daughterboard (BTDB) Pack**

- 1 × BTDB
 - 1 × BTDB Cable
 - 1 × Battery
 - 4 × Screws
-

1 × **Silicone Pack**

- 4 × Rubber Feet
 - 8 × Gasket Socks
 - 1 × USB Cover
 - 1 × Battery Sleeve
 - 1 × Plate Dampener*
 - 1 × Seion Sheet
-

1 × **Accessories**

- 1 × Sticker Pack
 - 1 × User Guide Card
 - 1 × Microfiber Cloth
-

1 × **Kaban**

Missing parts? Kindly write in to support@monokei.co for us to assist you.

Additional Purchase

You will need these extra parts to complete the build. Please ensure you have them ready before starting the build.

60% EC Build

2 × 2U Stabiliser Housing + Sliders

59 - 61 × 1U Housing + Sliders

1 × 7U plate mounted stabiliser

1 × 7U wire

2 × Sliders

2 × Stabiliser Housings

1 × Torx T6 screwdriver

Your own keycaps

65% EC Build

3 × 2U Stabiliser Housing + Sliders

62 × 1U Housing + Sliders

1 × 7U plate mounted stabiliser

1 × 7U wire

2 × Sliders

2 × Stabiliser Housings

1 × Torx T6 screwdriver

Your own keycaps

Missing parts? Kindly write in to support@monokei.co for us to assist you.

01 — How to build your keyboard

SECTION 1 Unboxing the keyboard



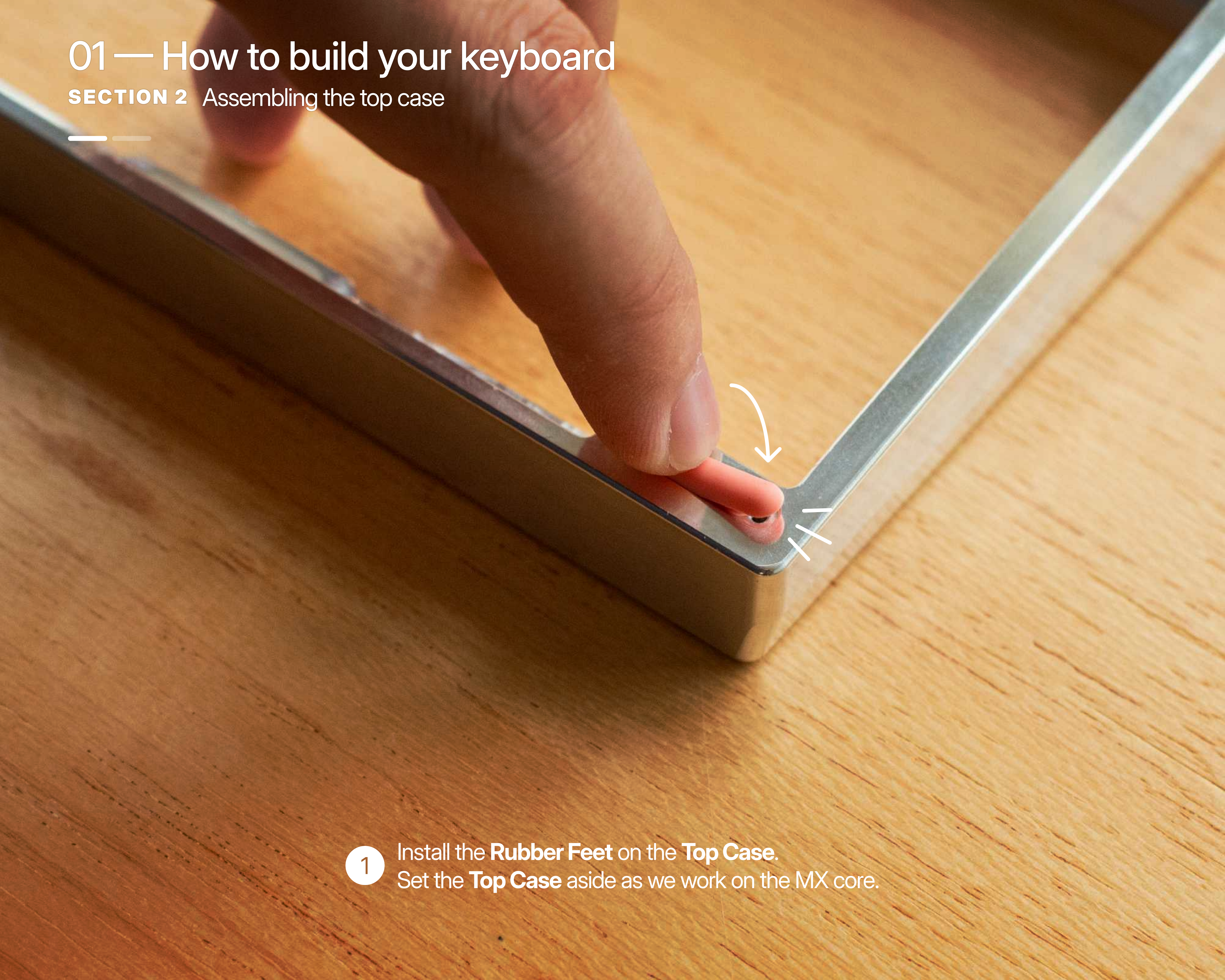
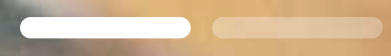
1 Carefully open the packaging of your **Kei v2**.

2 Remove the keyboard from the **Kaban**.

3 Set aside any included accessories.

01 — How to build your keyboard

SECTION 2 Assembling the top case



1

Install the **Rubber Feet** on the **Top Case**.
Set the **Top Case** aside as we work on the MX core.

01 — How to build your keyboard

SECTION 2 Assembling the top case



2 Install the **USB Cover** into the **Top Case** cutout.

Start by inserting the sides, then press down the middle part.



3 Ensure that the **BTDB LED** cutout is in the right position (right side).

01 — How to build your keyboard

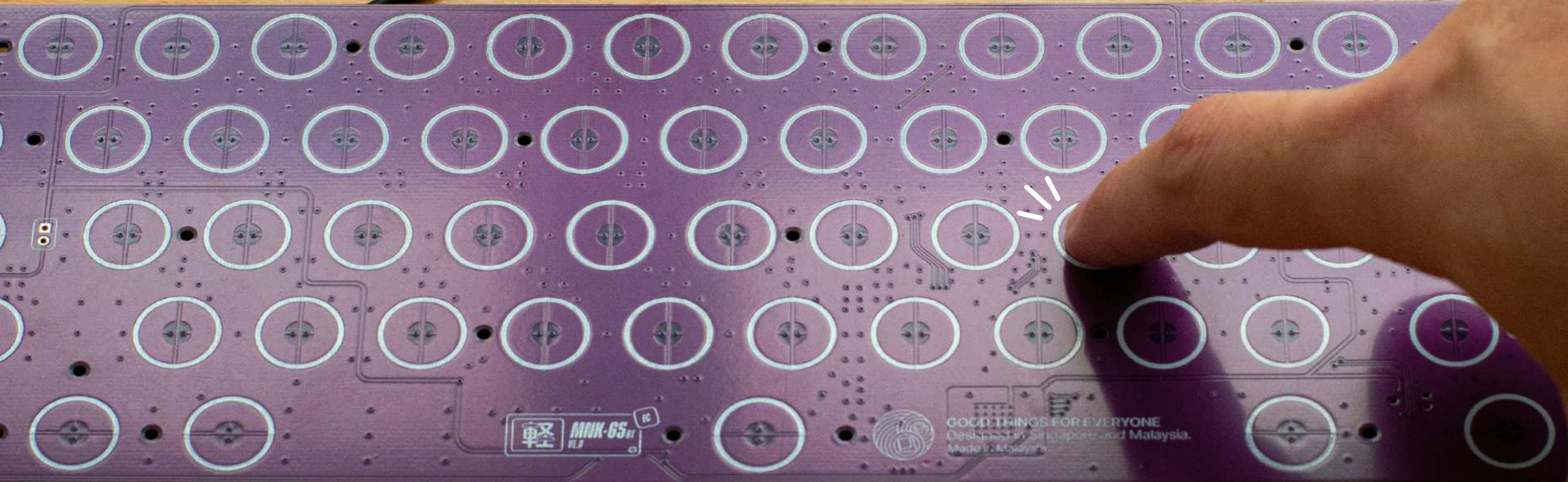
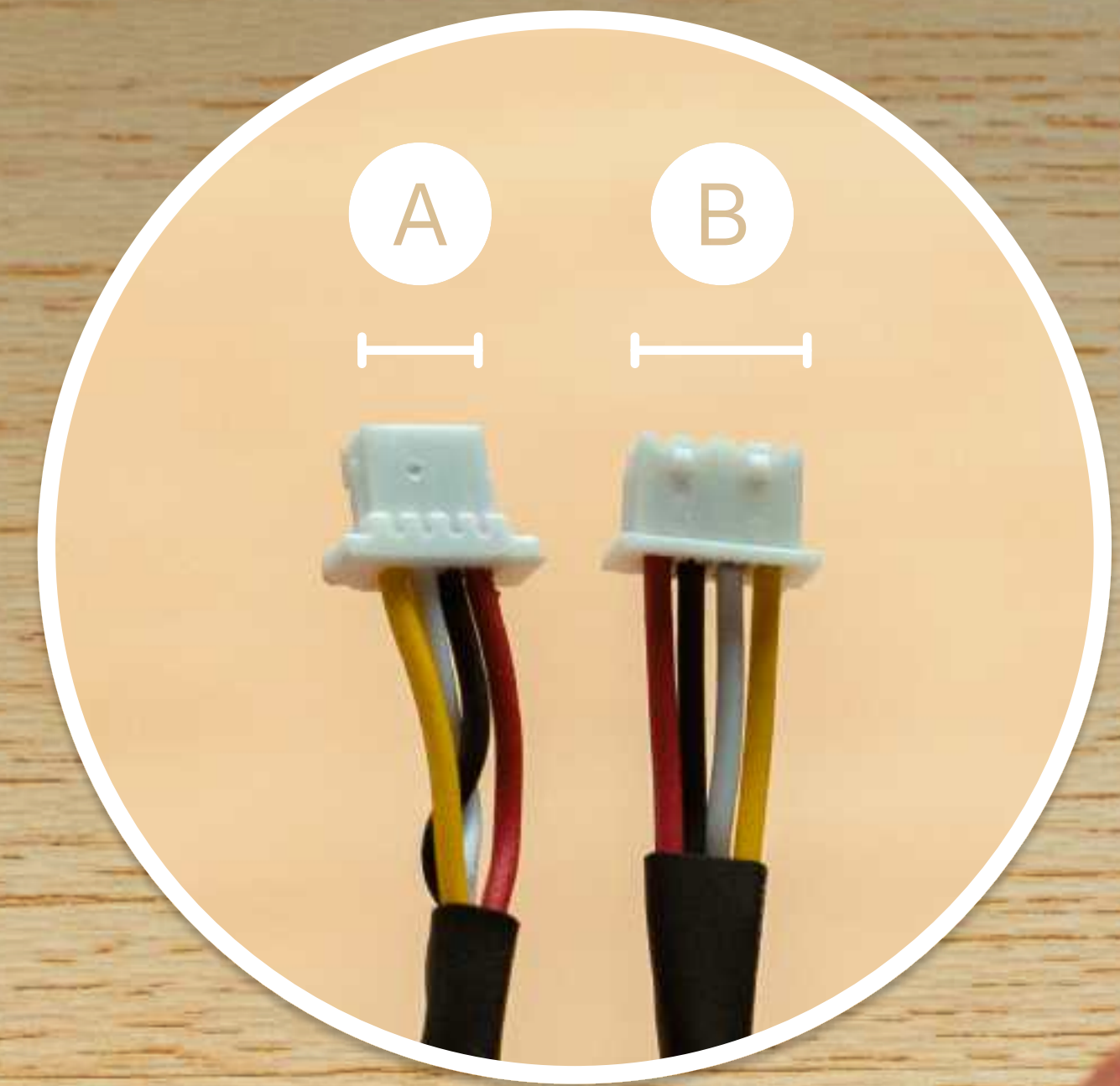
SECTION 3A Testing the EC PCB



Begin by testing the **PCB** to ensure it is fully functional.

BT BUTTON

B



1

Connect the **PCB** to the **BTDB** using the supplied **BTDB Cable**.

2

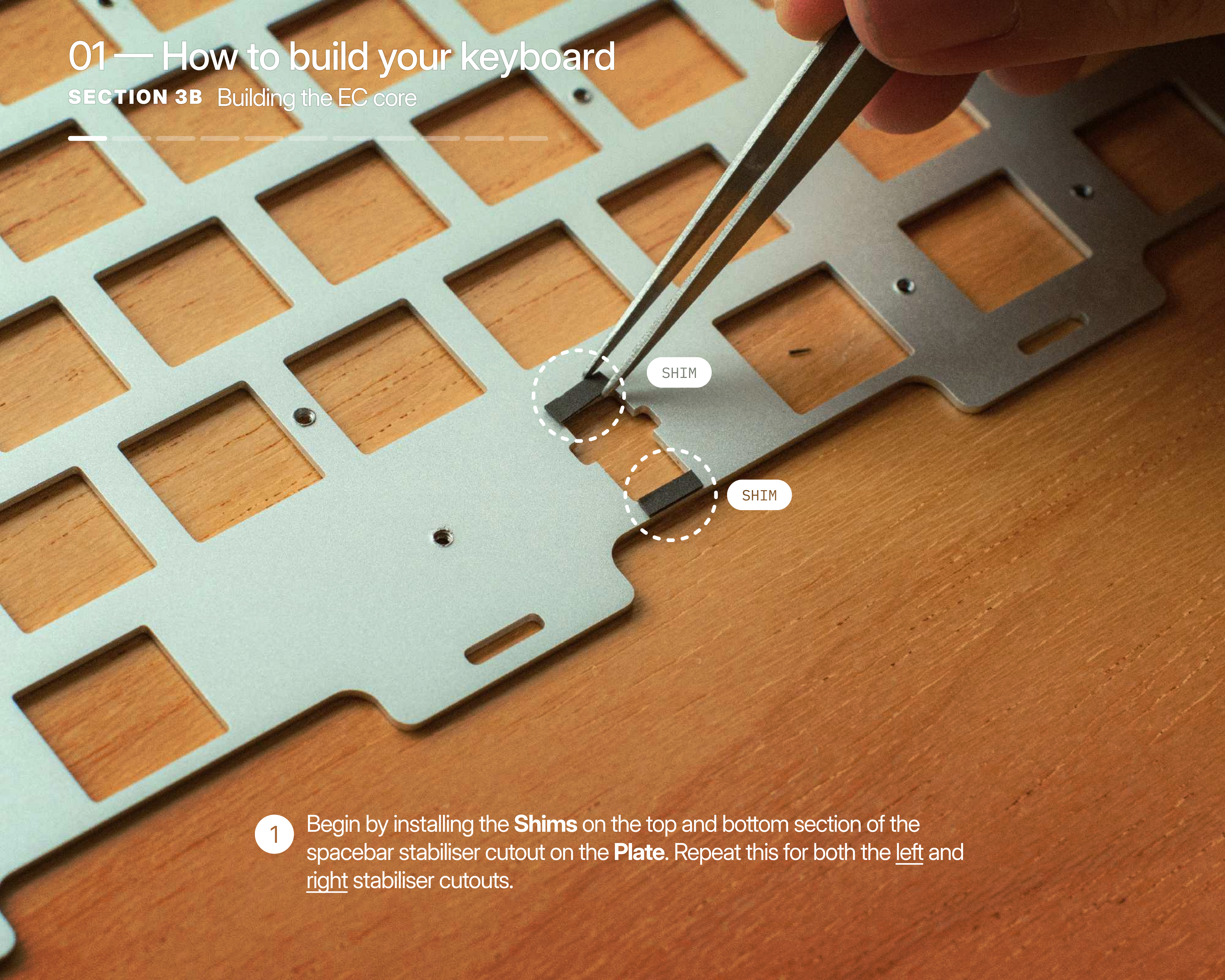
Connect the **BTDB** to your computer via USB-C cable. Press the **BT button** once to enter **Wired mode**.

3

Test the **PCB** in VIA and verify keystrokes by touching the individual capacitive zones. Once testing is complete, remove the **JST Cable** and **USB-C Cable** for the next step.

01 — How to build your keyboard

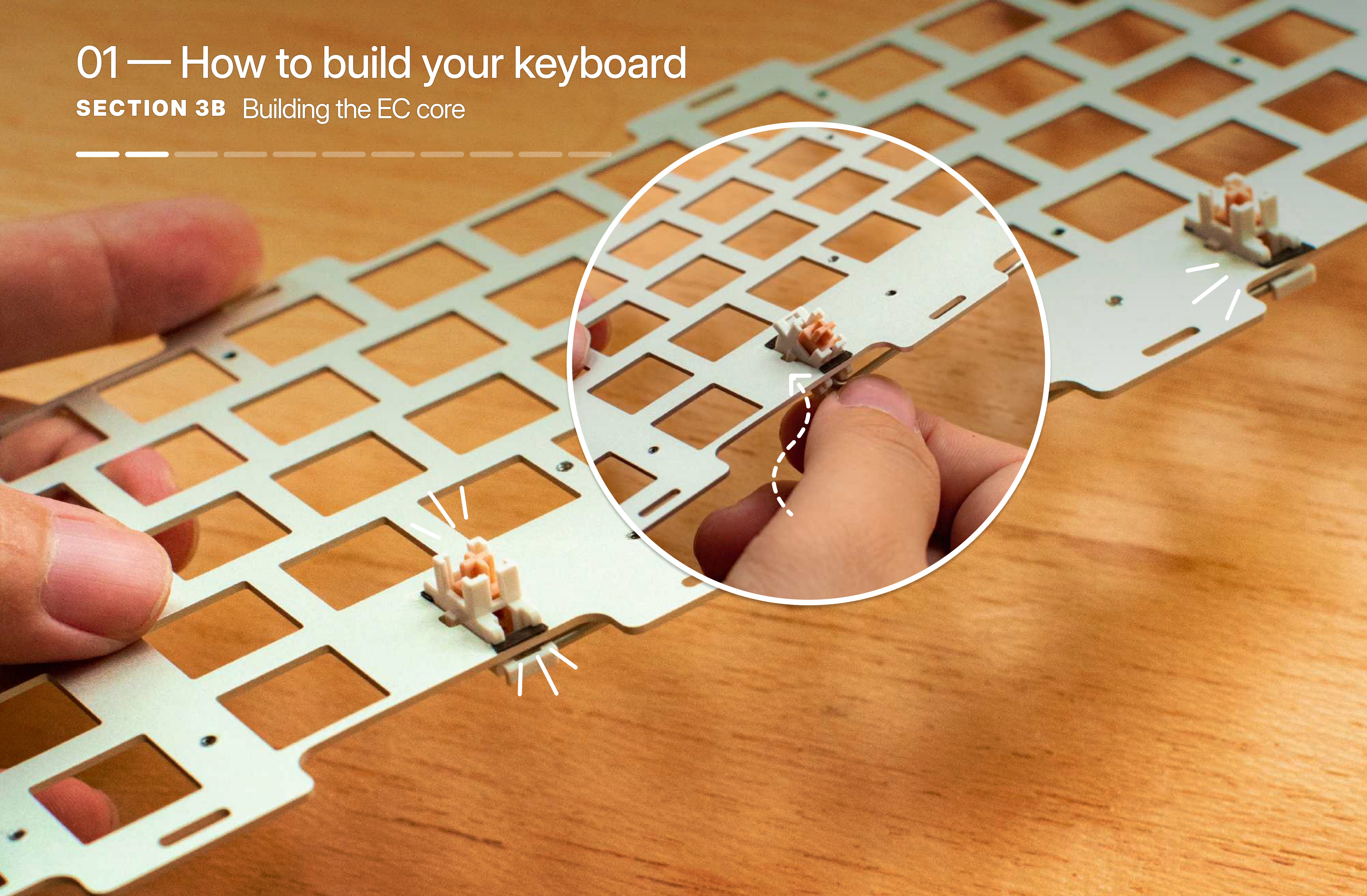
SECTION 3B Building the EC core



- 1 Begin by installing the **Shims** on the top and bottom section of the spacebar stabiliser cutout on the **Plate**. Repeat this for both the left and right stabiliser cutouts.

01 — How to build your keyboard

SECTION 3B Building the EC core

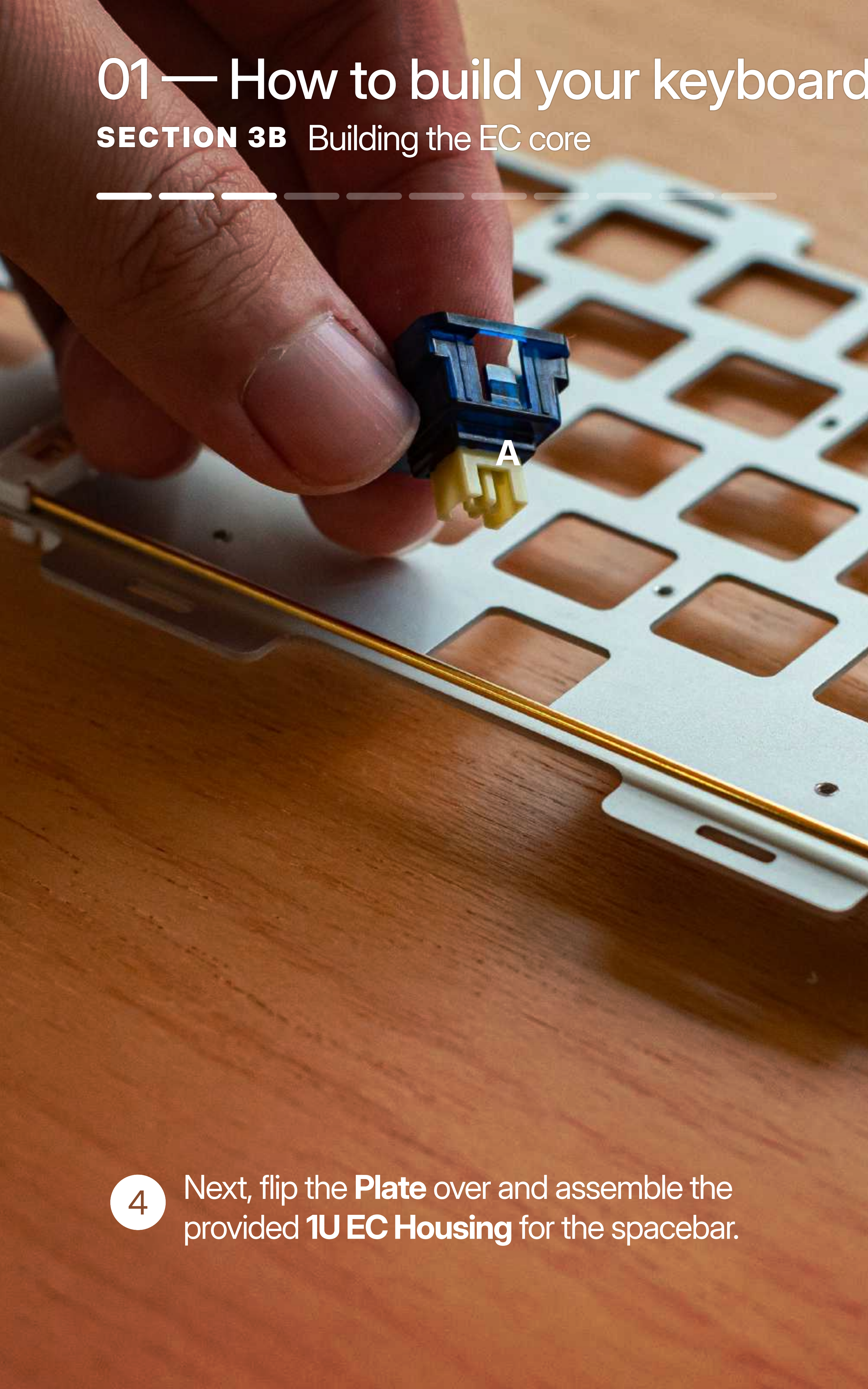


2 Next, install the 7U plate-mounted spacebar stabiliser, ensuring proper alignment.

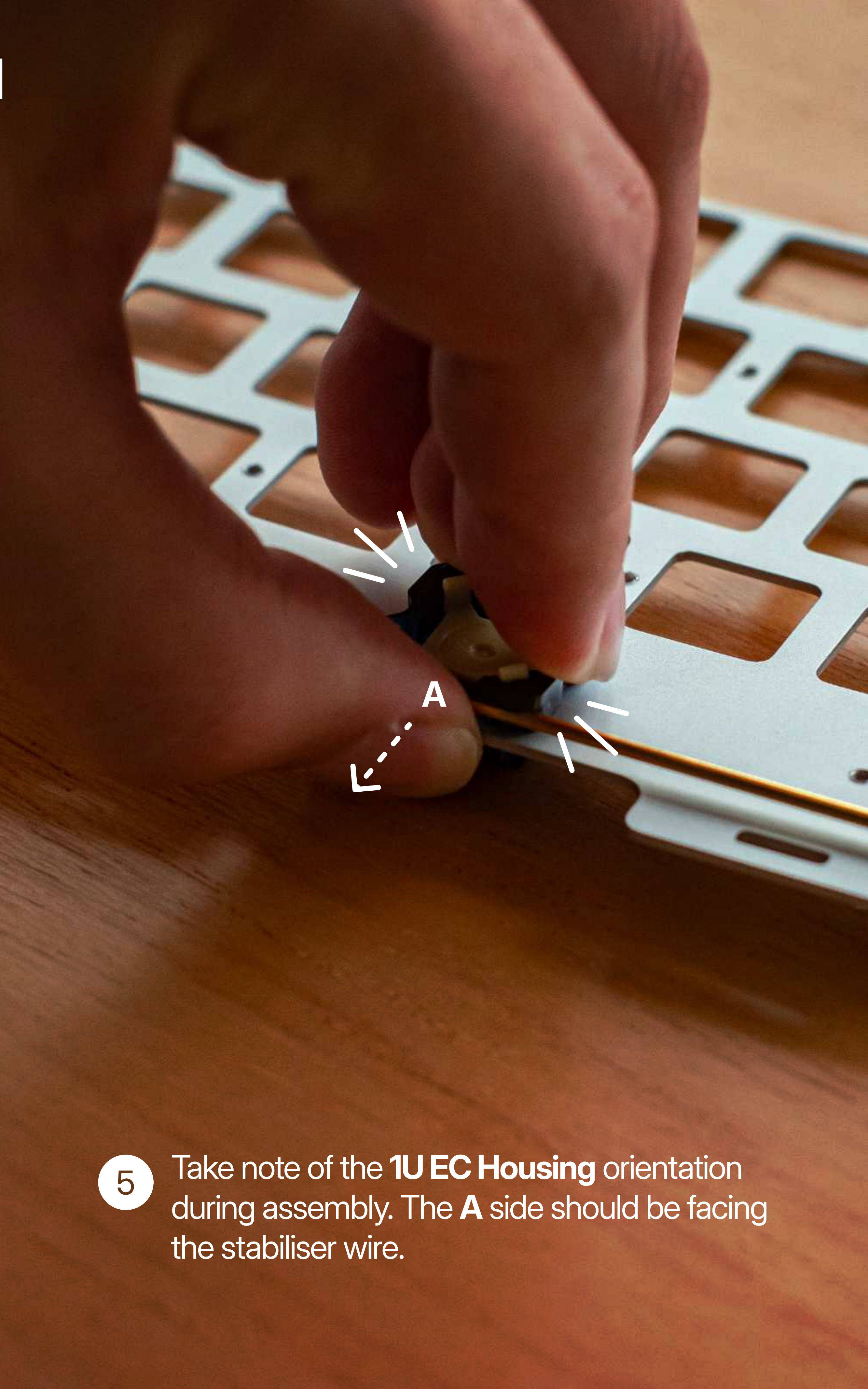
3 Thread stabiliser wires through the stabiliser cutouts, then snap the stabilisers into place.

01 — How to build your keyboard

SECTION 3B Building the EC core



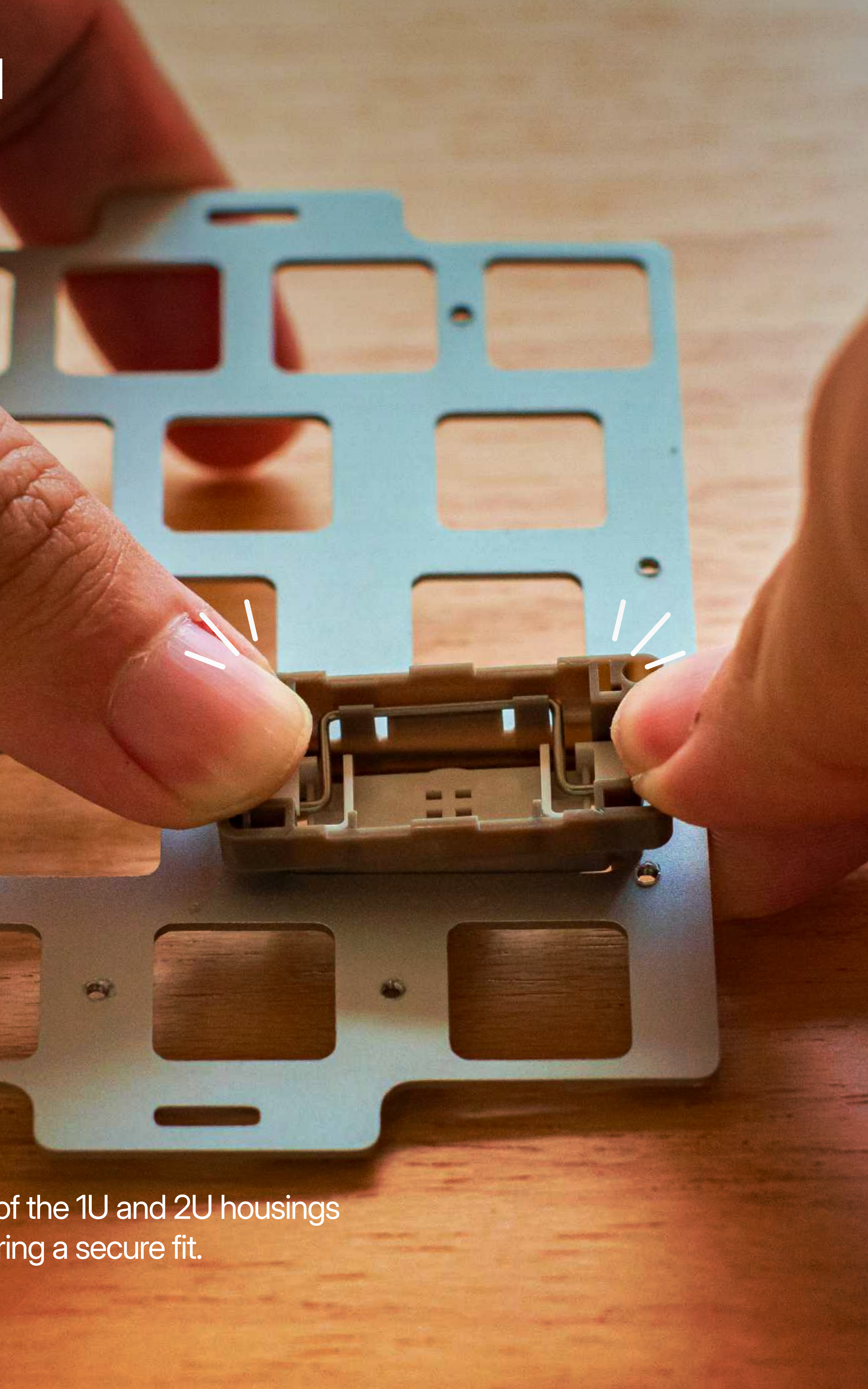
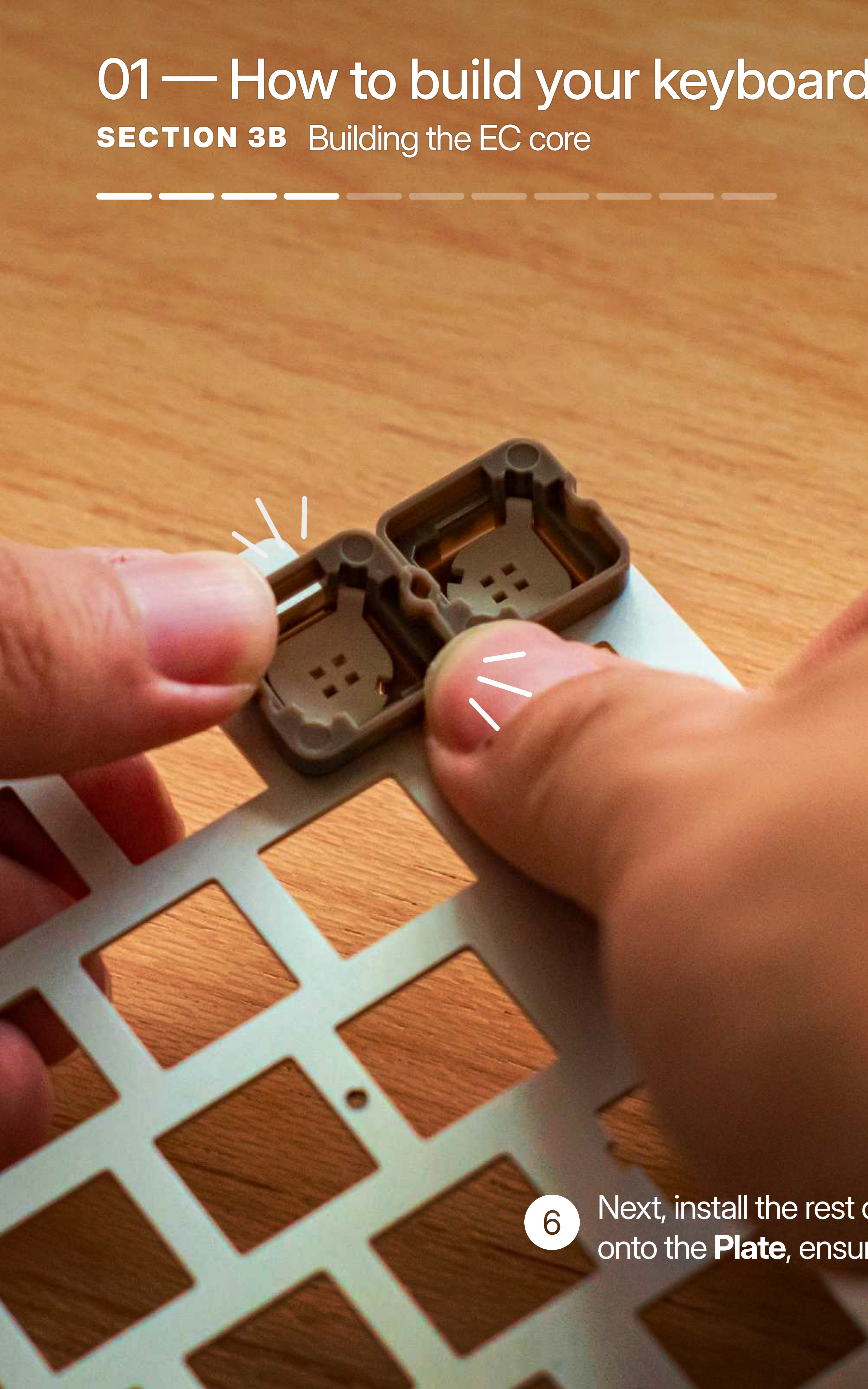
- 4 Next, flip the **Plate** over and assemble the provided **1U EC Housing** for the spacebar.



- 5 Take note of the **1U EC Housing** orientation during assembly. The **A** side should be facing the stabiliser wire.

01 — How to build your keyboard

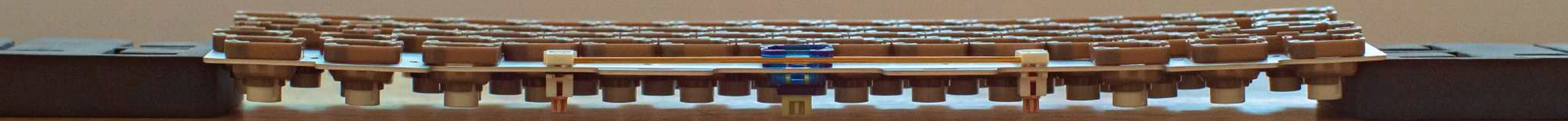
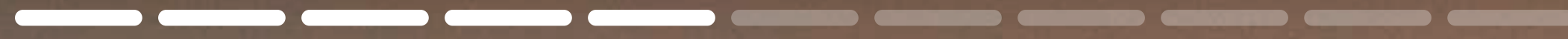
SECTION 3B Building the EC core



6 Next, install the rest of the 1U and 2U housings onto the **Plate**, ensuring a secure fit.

01 — How to build your keyboard

SECTION 3B Building the EC core

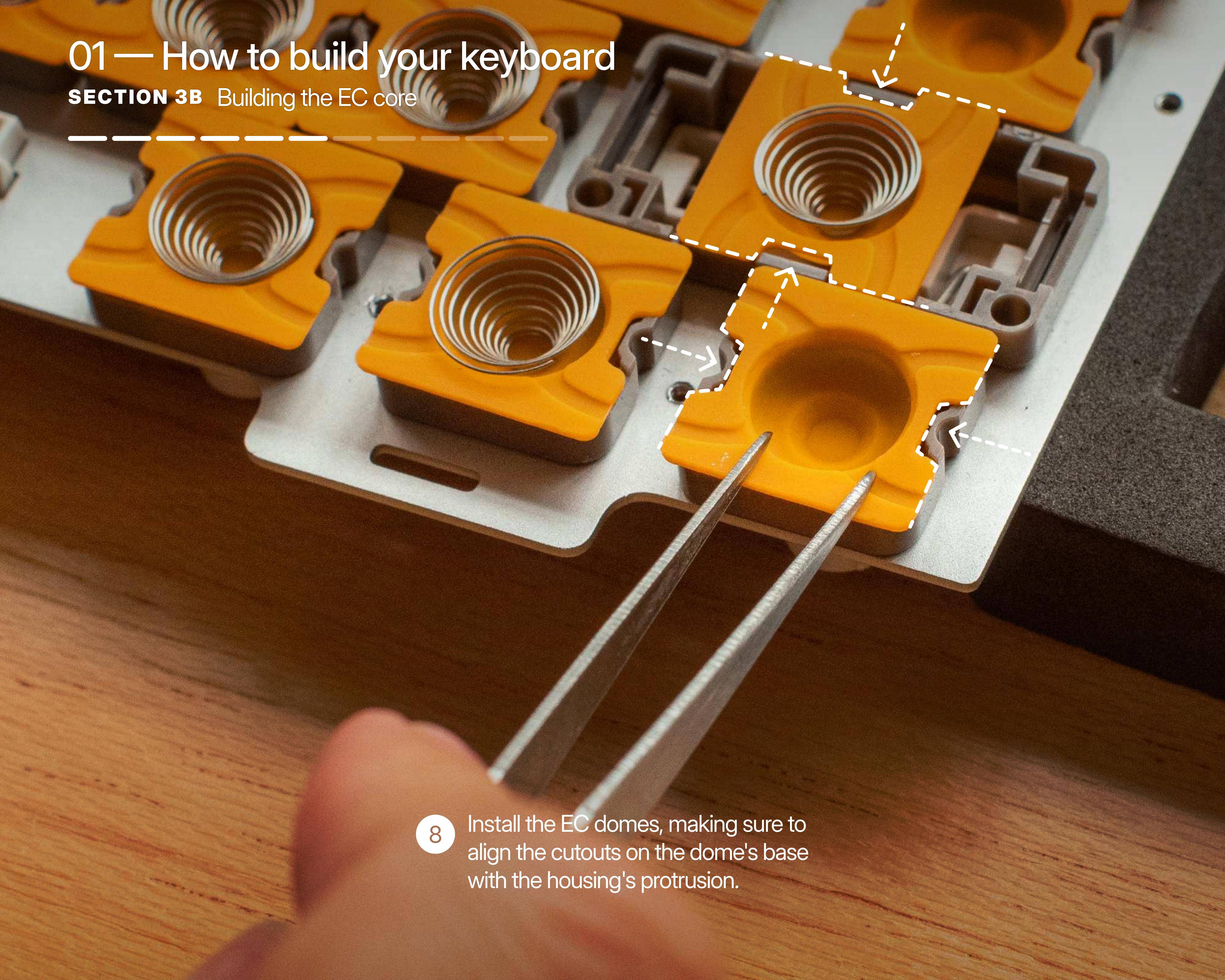


7

Elevate the **Plate** using two props before installing the EC domes.

01 — How to build your keyboard

SECTION 3B Building the EC core

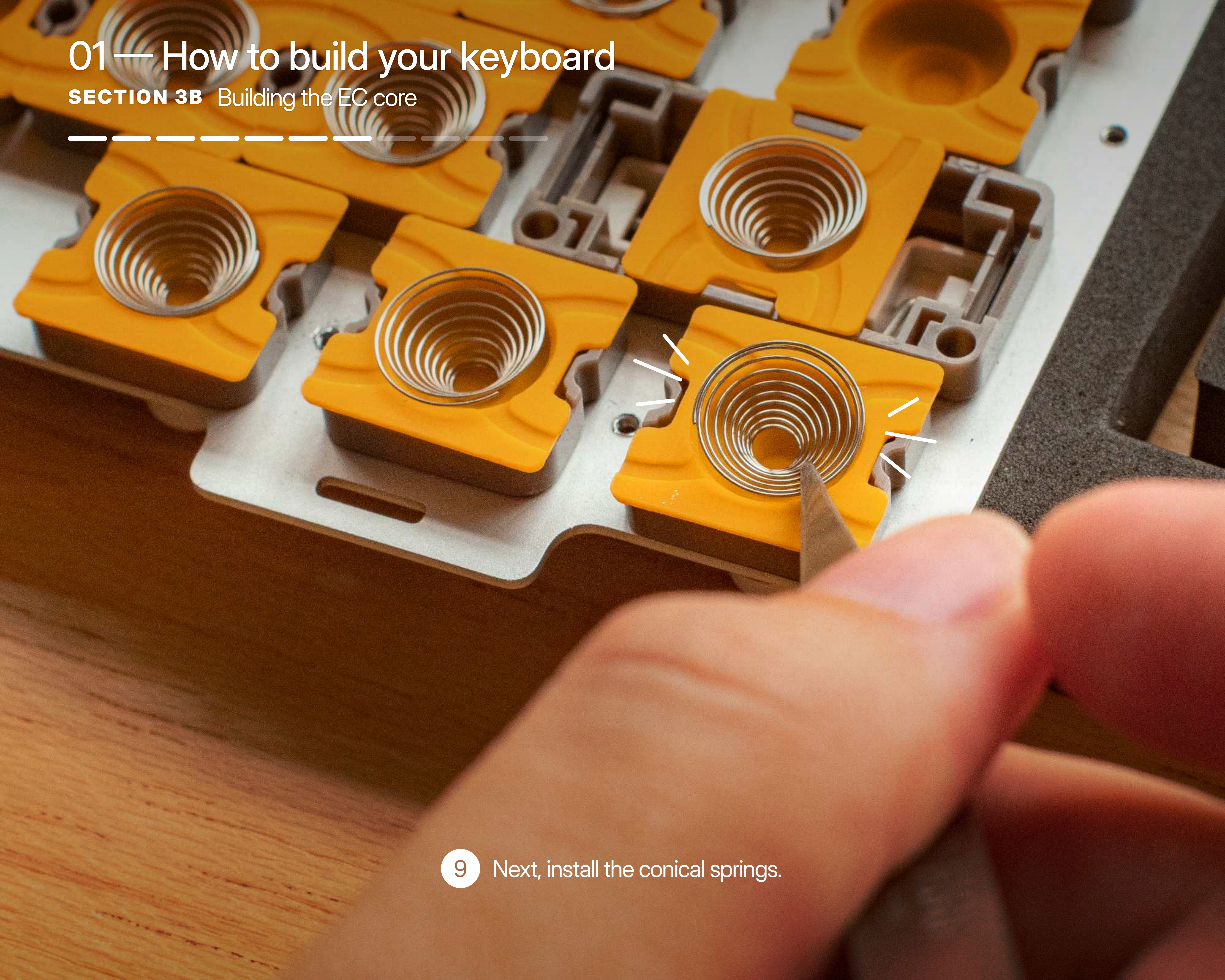


8

Install the EC domes, making sure to align the cutouts on the dome's base with the housing's protrusion.

01 — How to build your keyboard

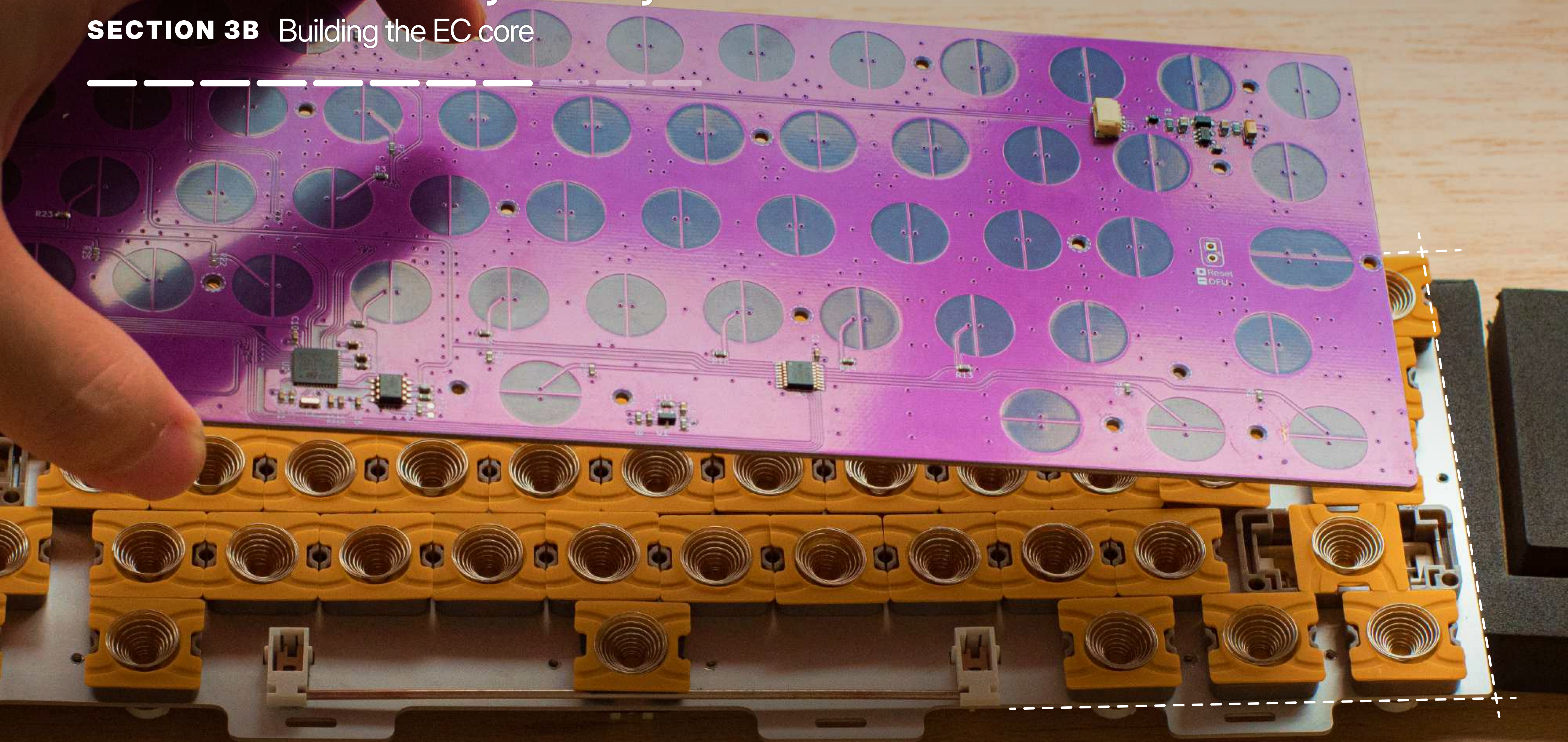
SECTION 3B Building the EC core



9 Next, install the conical springs.

01 — How to build your keyboard

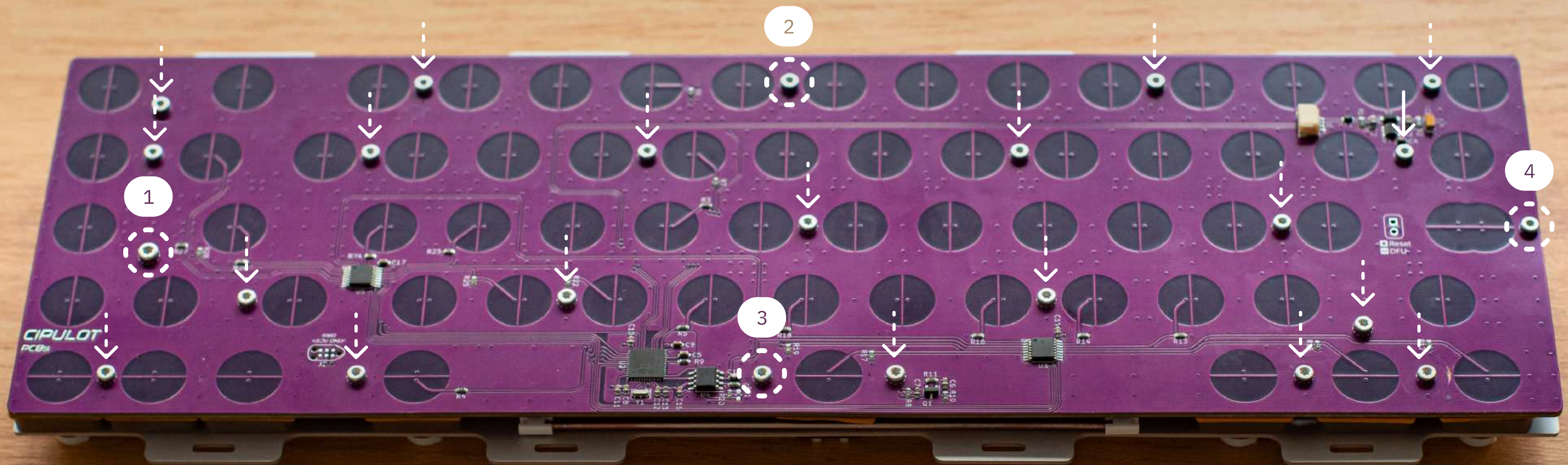
SECTION 3B Building the EC core



- 10 Next, place the **PCB** onto the plate by carefully aligning the **PCB** to the edges.

01 — How to build your keyboard

SECTION 3B Building the EC core



- 11 Secure the **PCB** with screws provided with your **EC PCB**. Use a T6 Torx screwdriver (not provided).

We recommend screwing down screws 1, 2, 3, 4 first to secure the **PCB** in place before continuing with the rest.

01 — How to build your keyboard

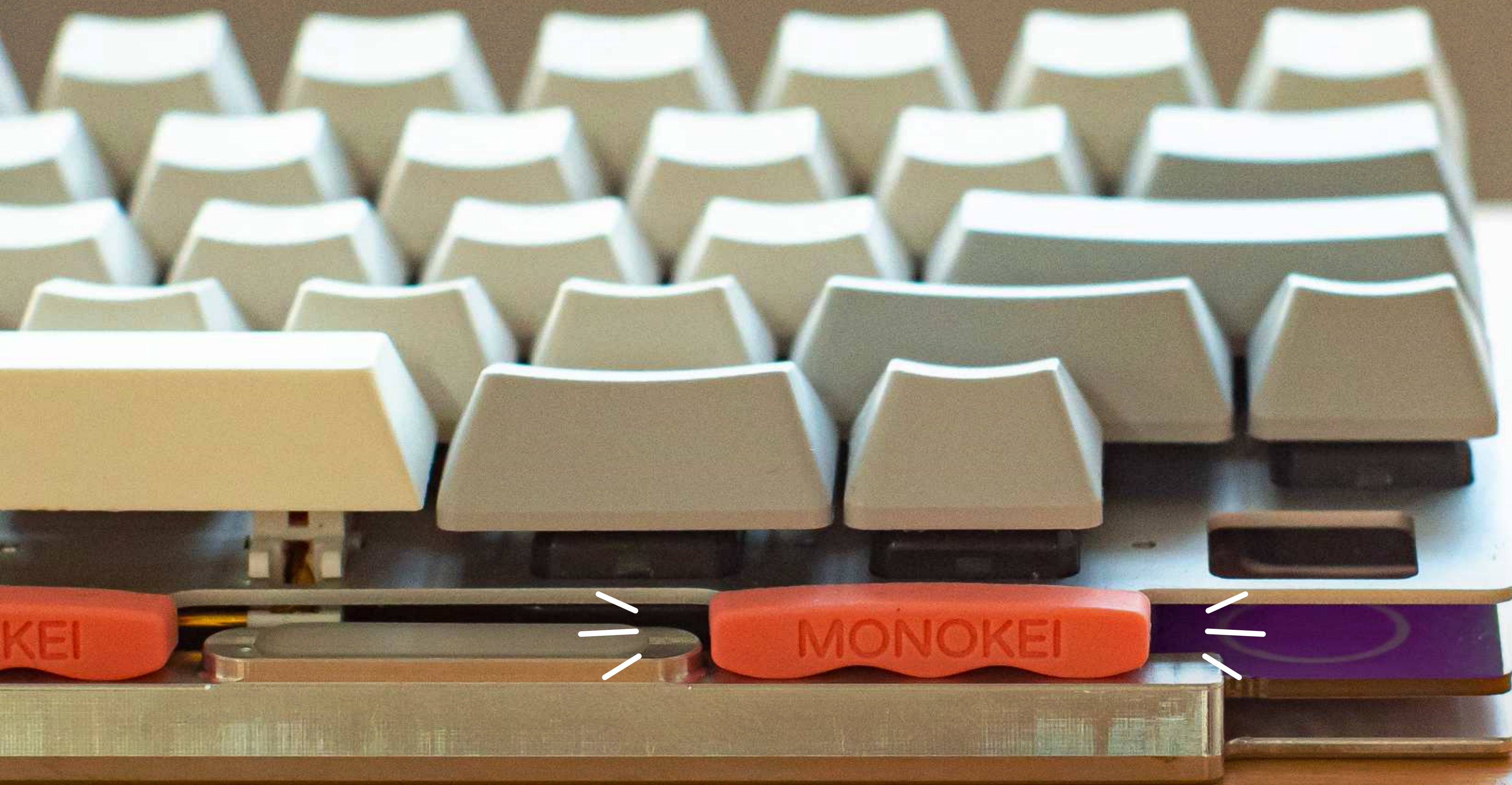
SECTION 3B Building the EC core



12 Install your favourite keycaps.

01 — How to build your keyboard

SECTION 3B Building the EC core

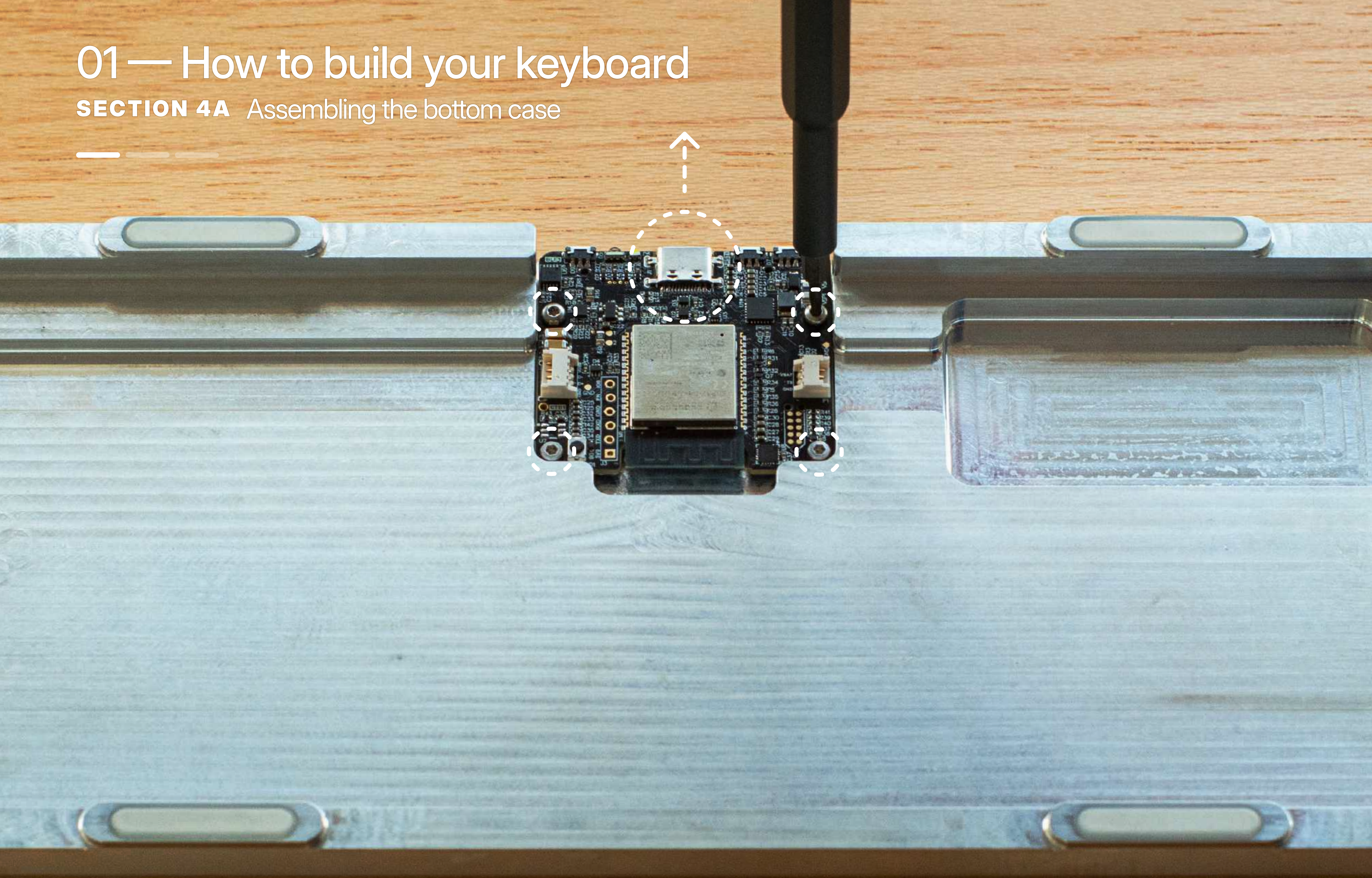


13

Install the **Gasket Socks** on the plate, with the wavy side facing down. This provides cushioning and improves typing feel. The core assembly is now complete.

01 — How to build your keyboard

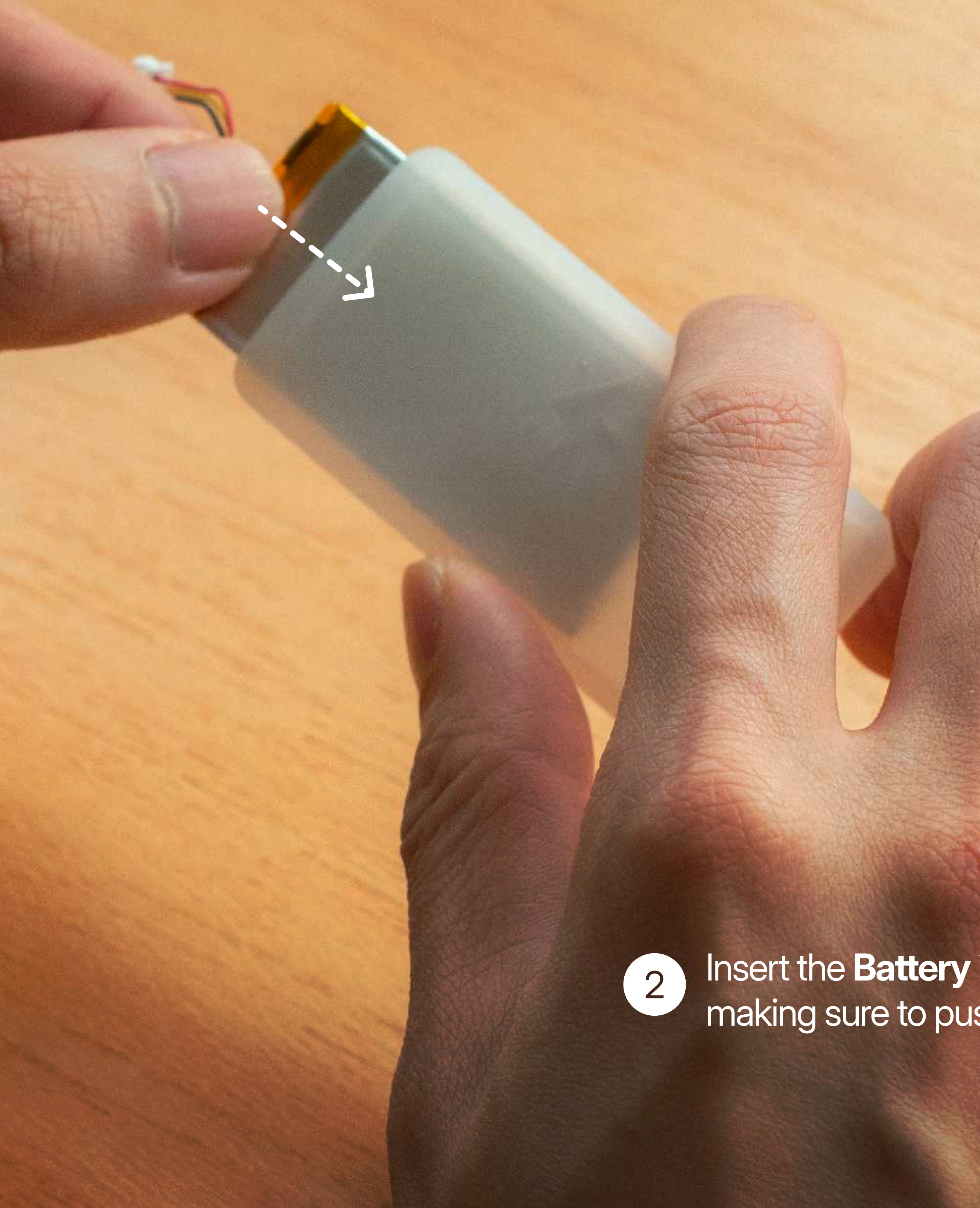
SECTION 4A Assembling the bottom case



- 1 Position the **Bluetooth Daughterboard** and secure it using the provided screws and a T6 Torx screwdriver (not provided).

01 — How to build your keyboard

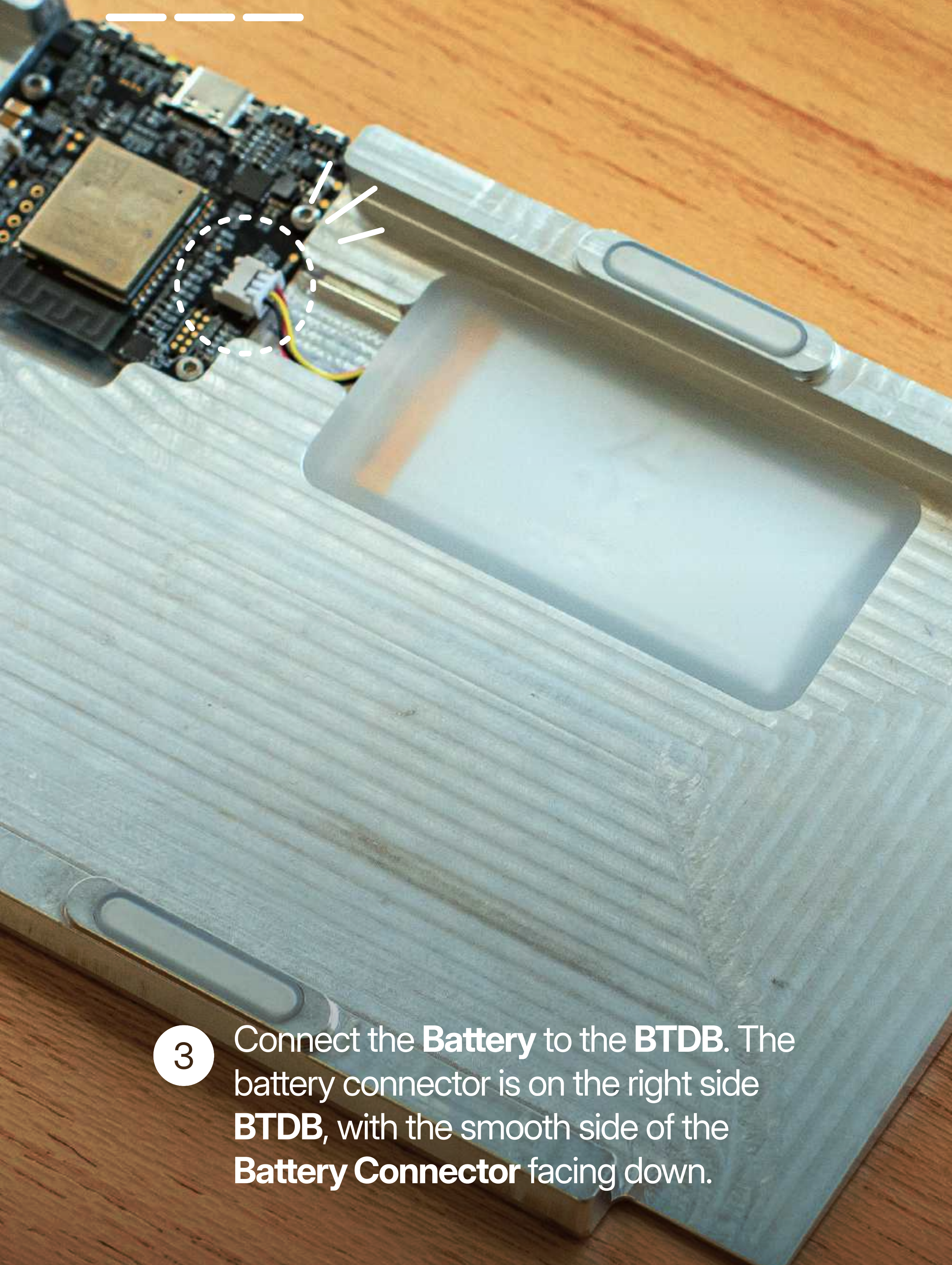
SECTION 4A Installing the BTDB and Battery



2 Insert the **Battery** into the **Battery Sleeve**, making sure to push it all the way in.

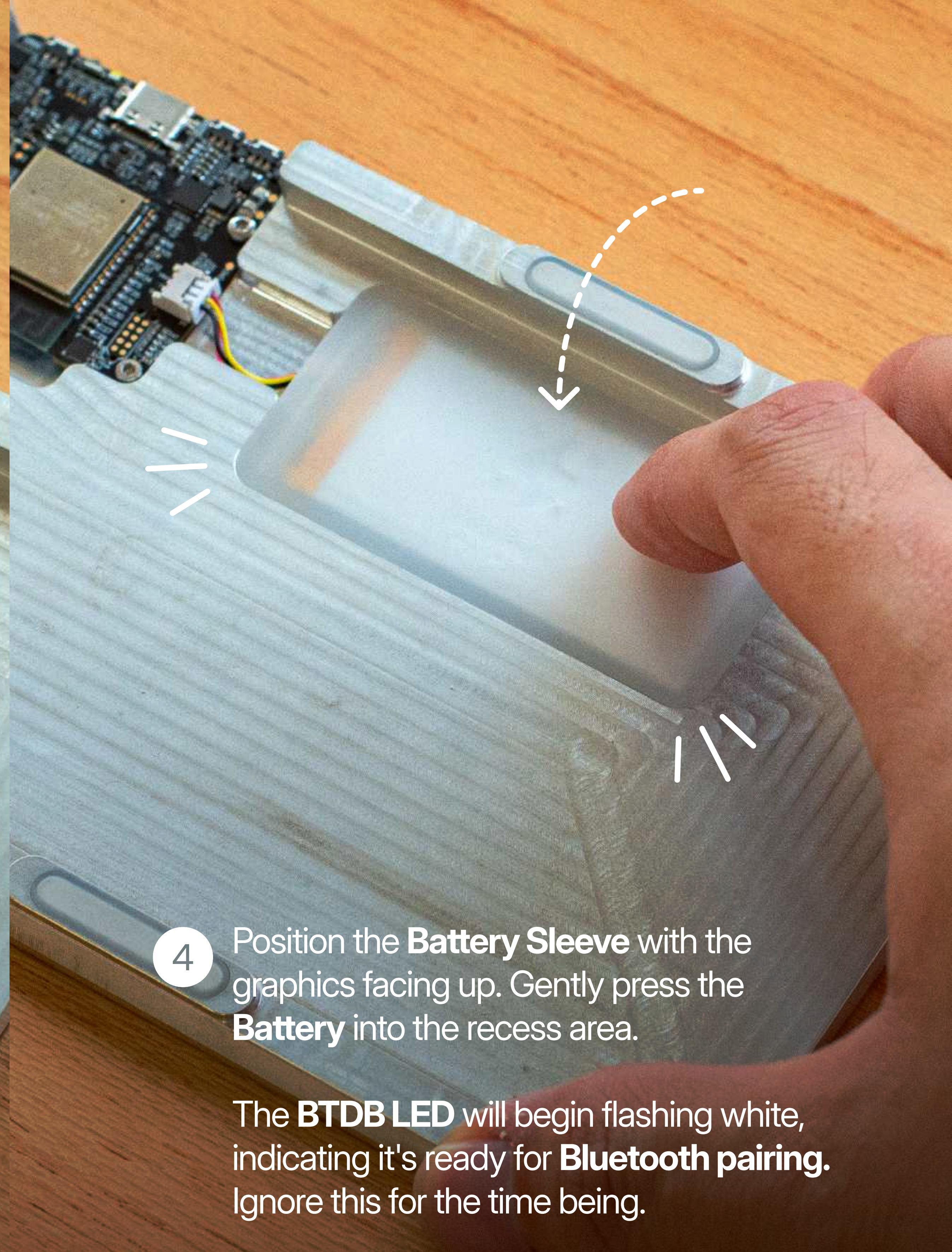
01 — How to build your keyboard

SECTION 4A Installing the BTDB and Battery



3

Connect the **Battery** to the **BTDB**. The battery connector is on the right side **BTDB**, with the smooth side of the **Battery Connector** facing down.



4

Position the **Battery Sleeve** with the graphics facing up. Gently press the **Battery** into the recess area.

The **BTDB LED** will begin flashing white, indicating it's ready for **Bluetooth pairing**. Ignore this for the time being.

01 — How to build your keyboard

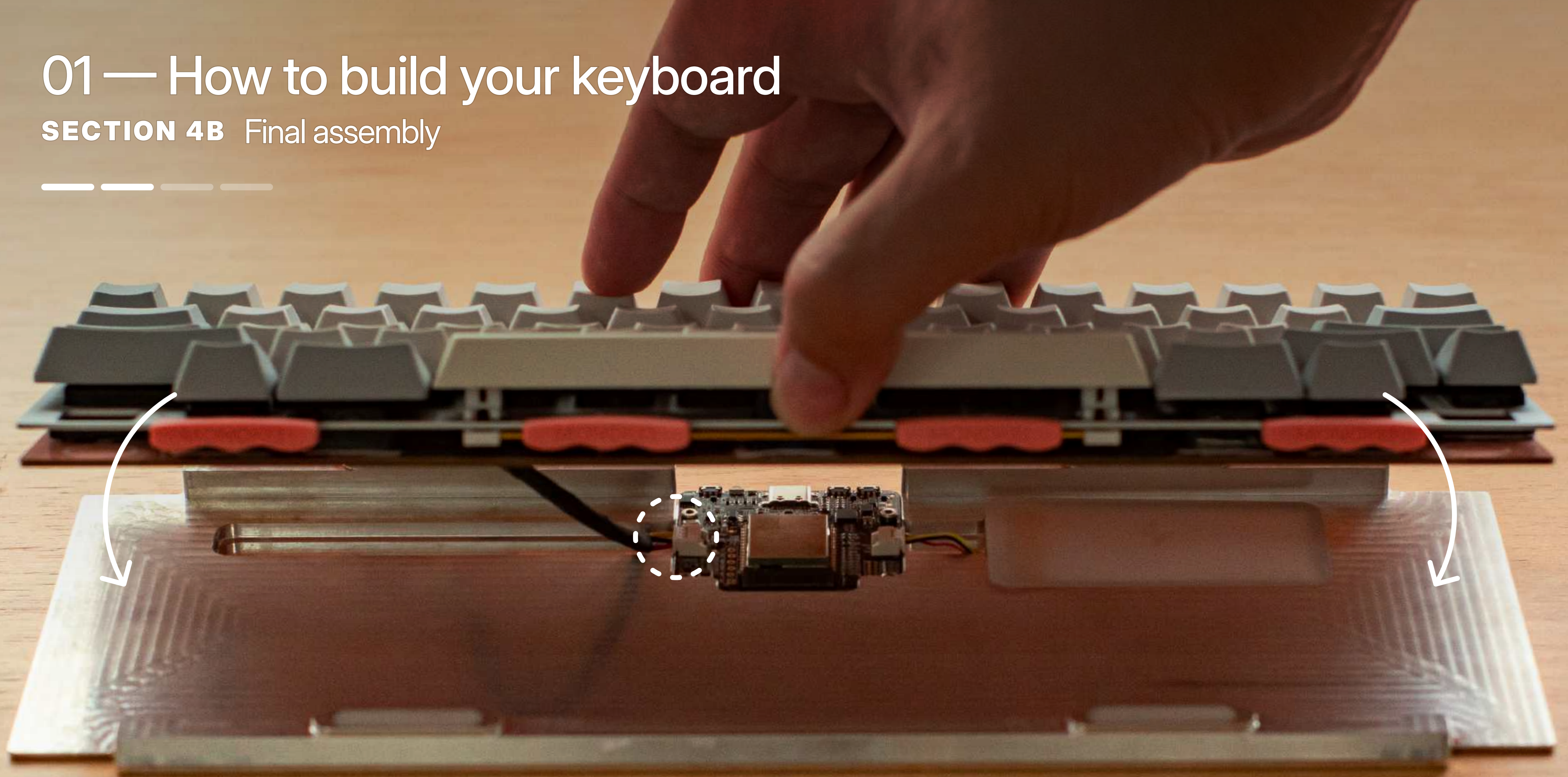
SECTION 4B Final assembly



- 1 Align and place the **Seion Sheet** over the **Bottom Case**. (optional)

01 — How to build your keyboard

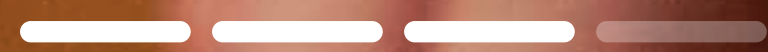
SECTION 4B Final assembly



- 2 Re-attach the **JST cable** to the **BTDB**. Carefully flip the core unto the **Bottom Case**.

01 — How to build your keyboard

SECTION 4B Final assembly



- 3 Ensure that the **Gasket Socks** do not extend beyond the edge of the **Bottom Case**.

01 — How to build your keyboard

SECTION 4B Final assembly



- 6 Assemble the **Top Case**. Congratulations, Your **Kei v2** is build is now complete!

02 — Dress up your Kei



1

Select unique and eye-catching keycaps that reflect your personal style.

02 — Dress up your Kei



- 2 Enhance the aesthetics of your **Kei v2** by attaching a sleek and visually appealing **Kohaku Backplate**.

02 — Dress up your Kei



3

Personalise your **Kei v2** with a **Silicone Pack** of your favourite colour.

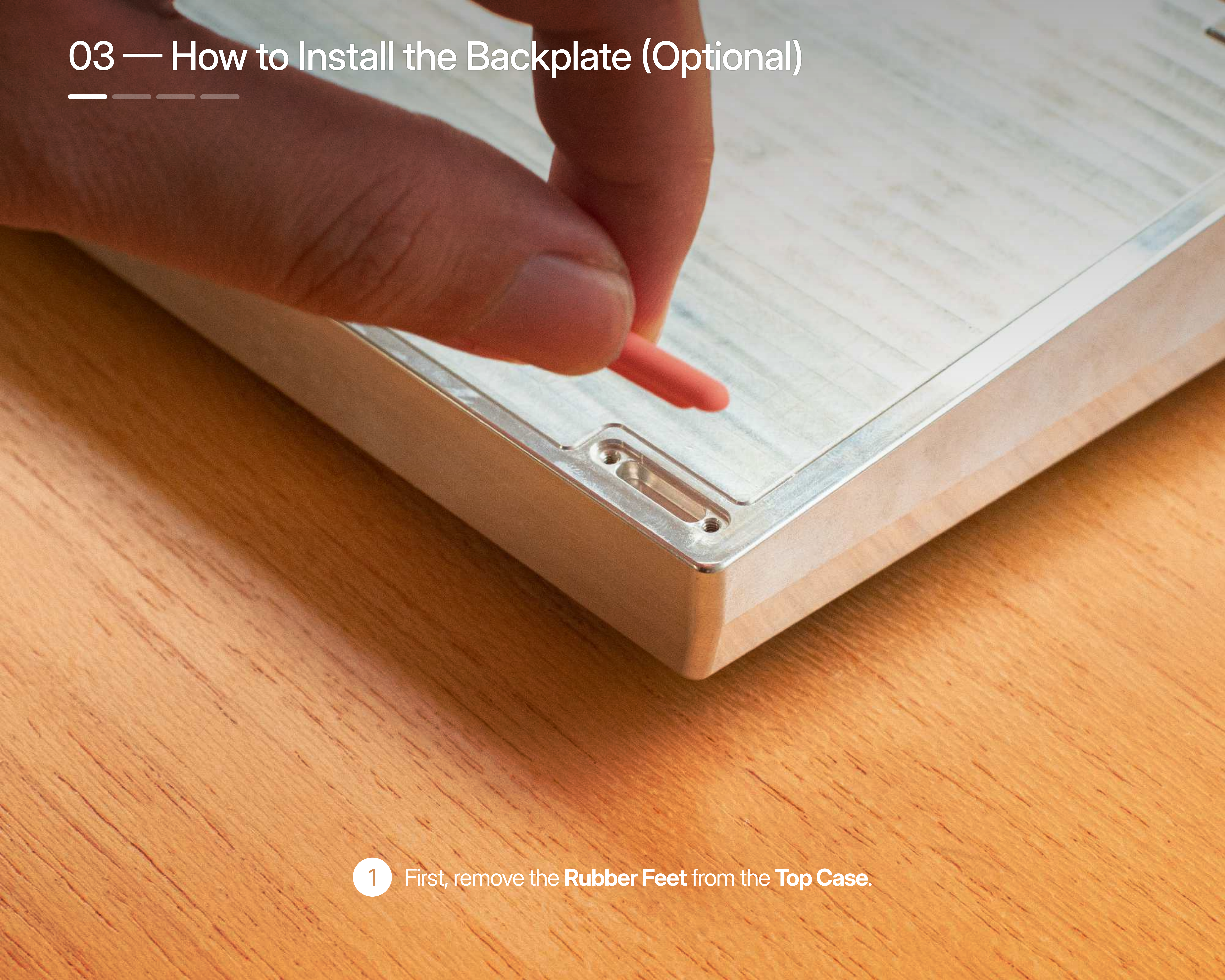
02 — Dress up your Kei



4

Switch up your build with all kinds of exciting switches in the market.

03 — How to Install the Backplate (Optional)



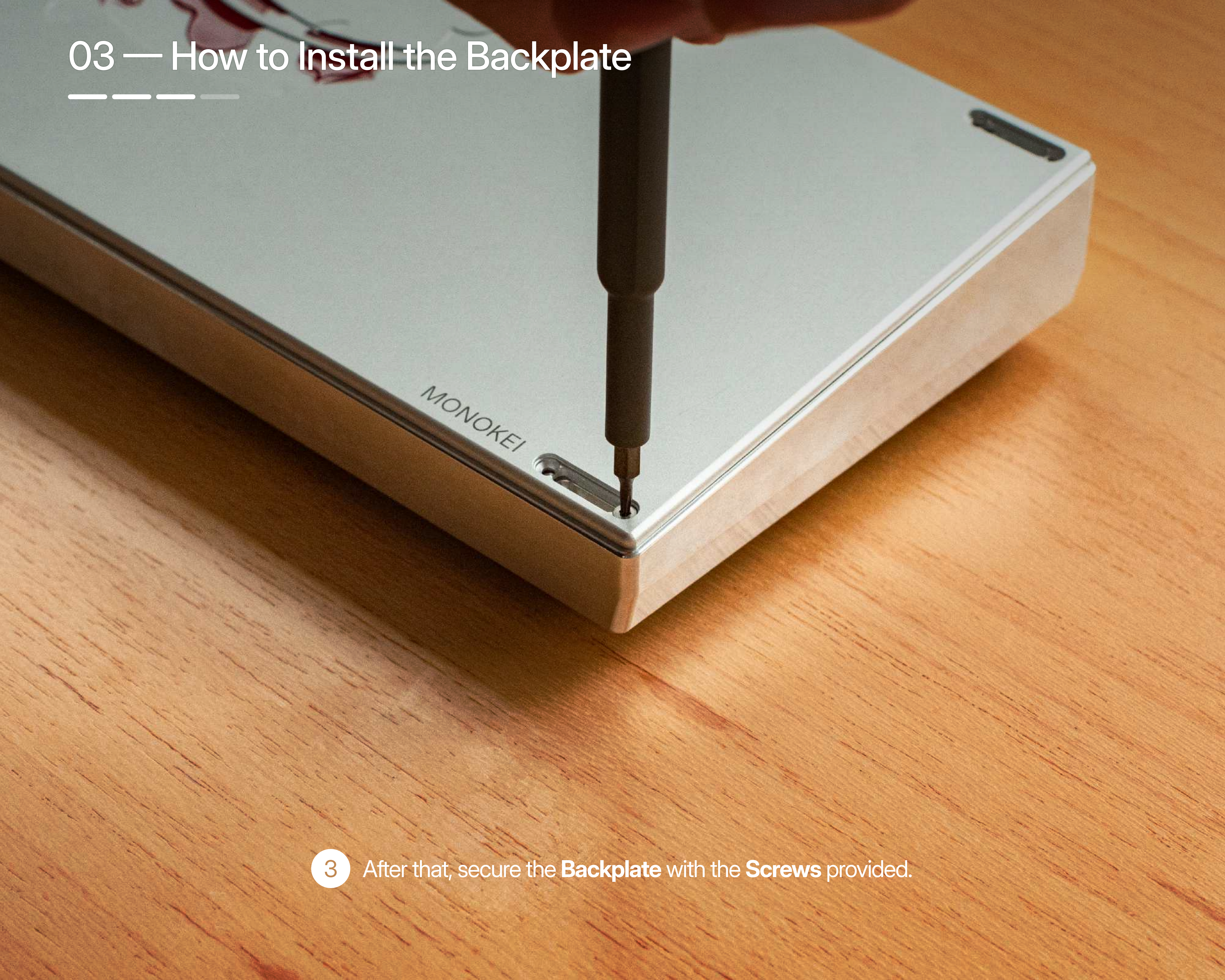
- 1 First, remove the **Rubber Feet** from the **Top Case**.

03 — How to Install the Backplate



2 Align the **Backplate** with the **Bottom Case**.

03 — How to Install the Backplate



- 3 After that, secure the **Backplate** with the **Screws** provided.

03 — How to Install the Backplate



5 Enjoy your Kei v2 with Kohaku Backplate.

04 — Establishing a BT connection



1 Press and hold the **BT Button** for 2 seconds to initiate **Pairing mode** (white blinking LED).

2 Select "MONOKEI BLE KB" from your device's Bluetooth menu to pair.

04 — Establishing a BT connection



- 3 After pairing, the LED will blink blue twice, indicating a successful connection.

04 — Establishing a wired connection



1 Make sure that the **USB-C Cable** is plugged in.

2 Press the **BT Button** once.

3 After switching to **Wired mode**, the LED will blink green twice.

04 — Turning the keyboard OFF/ON



- 1 To turn the **Kei v2** OFF, hold the **Power Button** for 2 seconds until LED turns Red. To turn it back ON, press and hold the **Power Button** again for 2 seconds.

Please note that you can't turn the keyboard OFF when a USB-C cable is connected to the keyboard.

Troubleshooting

Re-Pairing Required After Entering Bluetooth Pairing Mode

- 1 Entering Bluetooth pairing mode will clear the previous device connection.
- 2 To reconnect to the same device, manually remove the pairing registration on your PC/mobile/host device first.
- 3 After removing the pairing, the keyboard will become discoverable again on your device.

The LED brightness does not go beyond 70%

- 1 Some custom PCs may not provide consistent USB power regulation. This limits the backlight brightness to 70% when using a **Wired** connection.

Keeping the **Battery** connected at all times ensures that the backlight can reach 100% brightness. Rest assured, our batteries undergo thorough testing and certification for reliable performance.