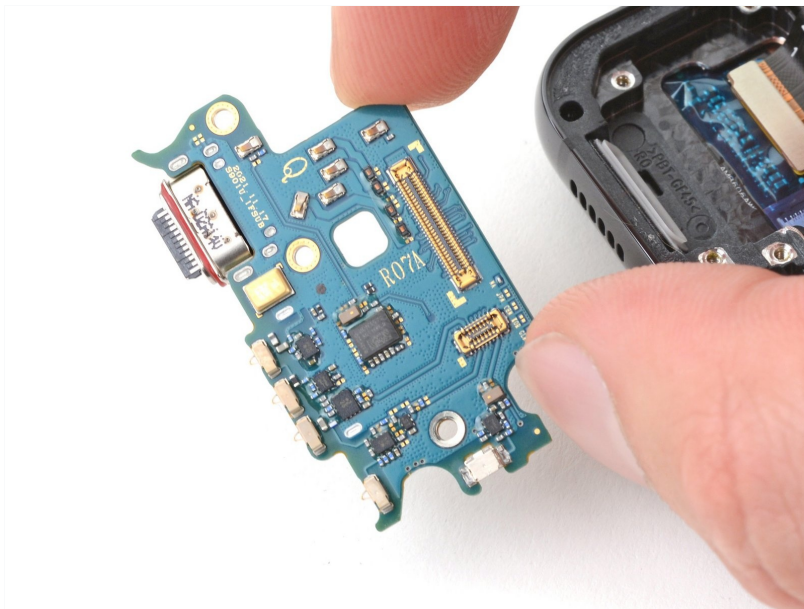




Samsung Galaxy S22 USB-C Port and Charging Board Replacement

Follow this guide to replace the USB-C port and...

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INTRODUCTION

Follow this guide to replace the USB-C port and charging board on your Samsung Galaxy S22.

Before disassembling your device, completely discharge the battery. This reduces the risk of a dangerous thermal event if the battery is accidentally damaged during the repair. If your battery is swollen, [take appropriate precautions](#).

Note: Retaining water resistance after the repair will depend on how well you reapply the adhesive, but your device will lose its IP (Ingress Protection) rating.

TOOLS:

[SIM Card Eject Tool](#) (1)
[iOpener](#) (1)
[Heat Gun](#) (1)
[Suction Handle](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[ESD Safe Blunt Nose Tweezers](#) (1)
[Phillips #00 Screwdriver](#) (1)
[Spudger](#) (1)

PARTS:

[Samsung Galaxy S22 \(USA\) USB-C Charge Port - Genuine](#) (1)
[Samsung Galaxy S22 \(USA\) USB-C Charge Port](#) (1)

Step 1 — Remove the SIM card tray



- Insert a SIM eject tool, bit, or straightened paper clip into the SIM card tray hole on the bottom edge of the phone.
 - Press the SIM eject tool into the SIM card tray hole to eject the SIM card tray.
 - Remove the SIM card tray.
- ⓘ If you accidentally inserted the SIM eject tool into a microphone hole, don't worry! [You most likely didn't damage the microphone.](#)

Step 2 — Heat the bottom edge



⚠ Let your phone's battery to drain below 25% before starting this repair. A charged lithium-ion battery may catch fire if damaged.

- [Heat an iOpener](#) and apply it to the bottom edge of the back cover for two minutes.
- ⓘ A [hair dryer](#), [heat gun](#), or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are susceptible to heat damage.

Step 3 — Adhesive information



- While you wait for the adhesive to soften, note the following:
 - There's adhesive securing the back cover around the perimeter of the frame.
- ⓘ The adhesive is strongest in the bottom right and top left corners.

Step 4 — Insert an opening pick



- Apply a suction handle to the back cover, as close to the bottom edge as possible.
- Pull up on the suction handle with strong, steady force to create a gap between the cover and the frame.
 - ⓘ If you have trouble creating a gap, apply more heat to further soften the adhesive. Follow the [iOpener](#) instructions to avoid overheating.
- Insert an opening pick into the gap.

Step 5 — Slice the bottom adhesive



- Slide the pick back and forth along the bottom edge to slice through the adhesive.
- Leave the pick inserted in the bottom left corner to prevent the adhesive from resealing.

Step 6 — Heat the left edge



- Apply a heated iOpener to the left edge of the back cover for two minutes.

Step 7 — Slice the left adhesive



- Insert a second opening pick at the bottom left corner.
- Slide the pick to the bottom of the camera bezel to slice the left adhesive.
⚠ Only insert the pick up to 5 mm, as you may damage the antenna flex cable or the power button cable.
- Leave the pick in to prevent the adhesive from resealing.

Step 8 — Heat the right edge



- Heat an iOpener and apply it to the right edge of the back cover for two minutes.

Step 9 — Slice the right adhesive



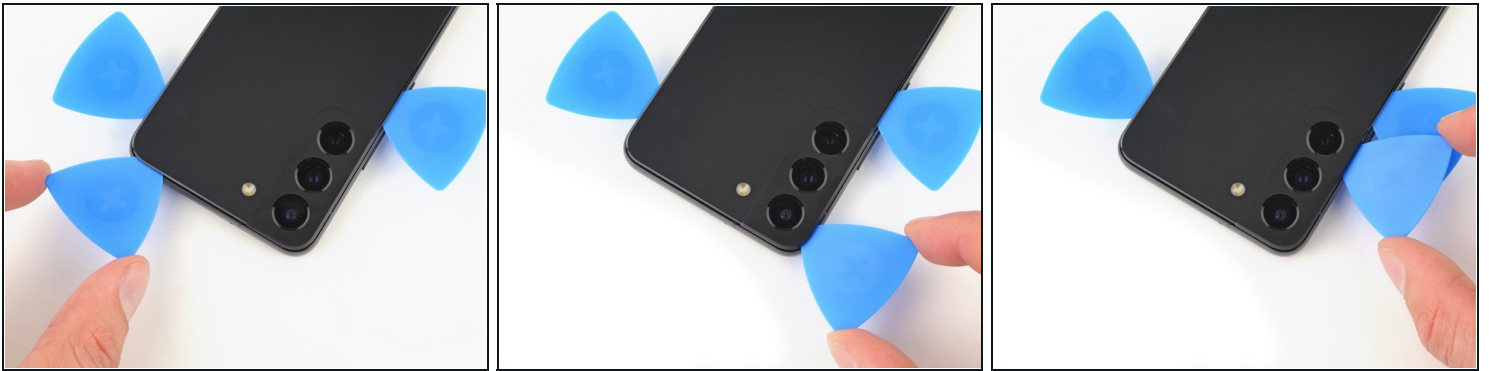
- Insert a third opening pick at the bottom right corner.
 - ⓘ If the adhesive has resealed, insert the pick closer to the bottom edge.
- Slide the pick to the top right corner to slice the adhesive.
- Leave the pick in the top right corner to prevent the adhesive from resealing.

Step 10 — Heat the top edge



- Heat an iOpener and apply it to the top edge of the back cover for two minutes.

Step 11 — Slice the remaining adhesive



- Insert an opening pick in the gap at the top right edge.
- Slide the pick across the top edge and around the top left corner to slice the remaining adhesive.

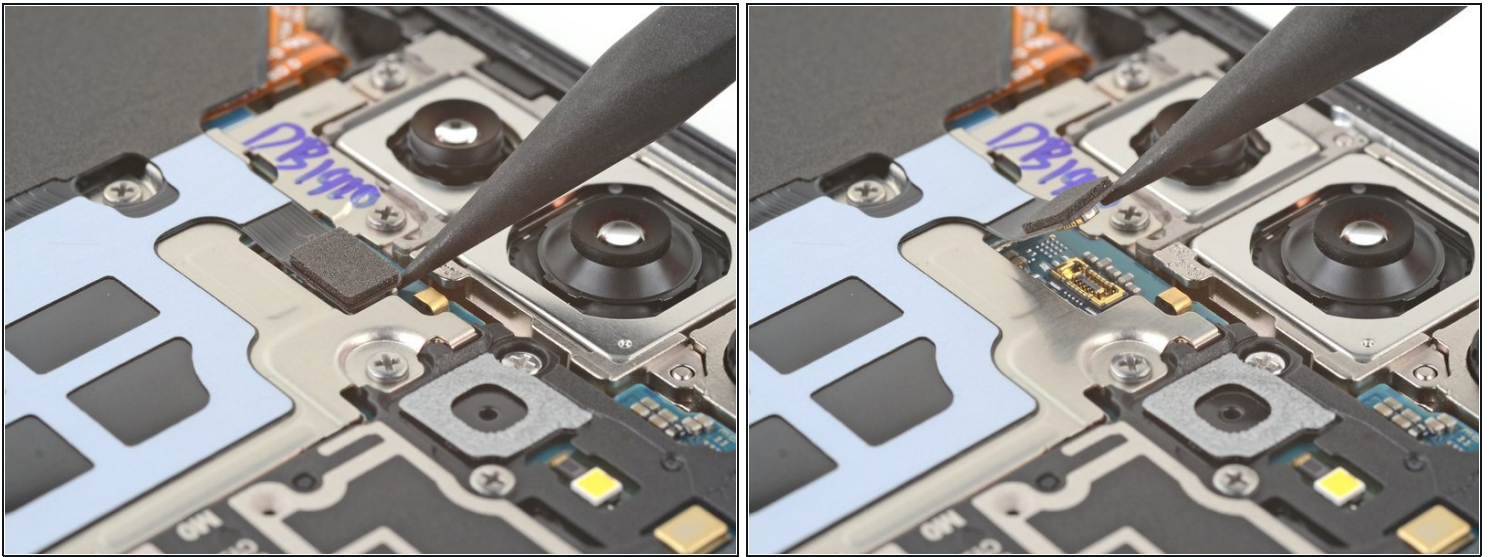
⚠ Only insert the pick up to 4 mm, as you may damage the rear cameras or flash.

Step 12 — Remove the back cover



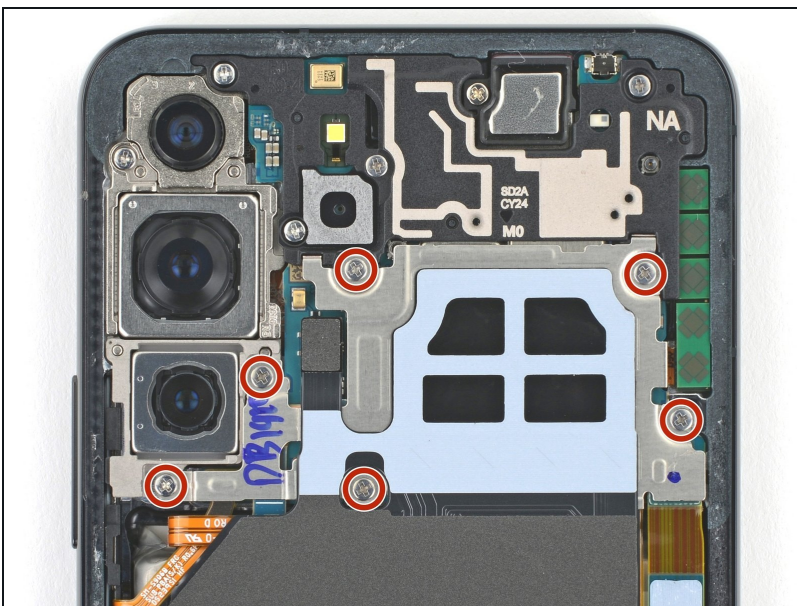
- Grab and remove the back cover.
 - ① If your cover is still sticking to the frame, slide an opening pick around the perimeter until the cover completely separates.
- ☑ During reassembly:
 - This is a good point to power on your phone and test all functions before sealing it up. Be sure to power your phone back down completely before you continue working.
 - Follow [this guide](#) to replace the back cover adhesive and install the back cover.

Step 13 — Disconnect the wireless charging coil



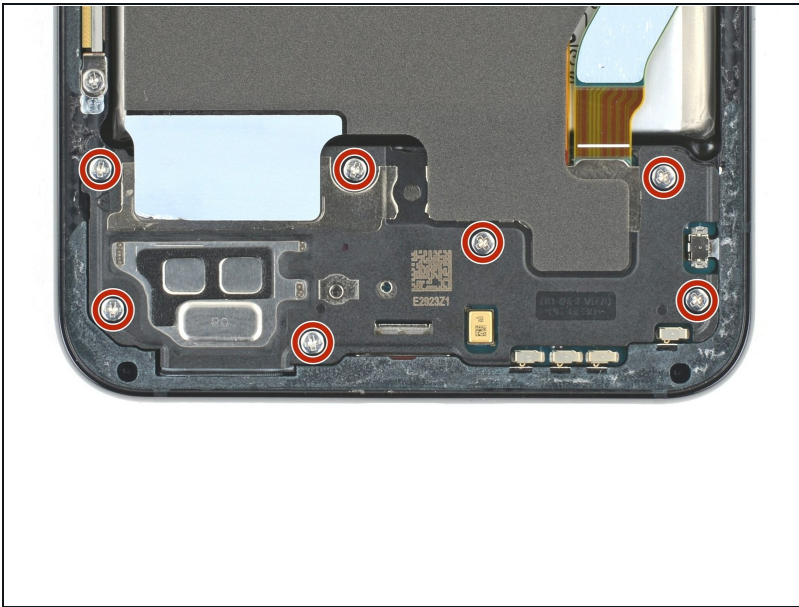
- Use the pointed end of a spudger to pry up and disconnect the wireless charging coil from the motherboard.
- ① To re-attach [press connectors](#), carefully align and press down on one side until it clicks into place, then repeat on the other side. Don't press down on the middle. If the connector is misaligned, the pins can bend and cause permanent damage.

Step 14 — Unfasten the wireless charging coil



- Use your Phillips screwdriver to remove the six 3.5 mm-long screws securing the wireless charging coil.

Step 15 — Unfasten the loudspeaker



- Use your Phillips screwdriver to remove the seven 3.5 mm screws securing the loudspeaker.

Step 16 — Unclip the loudspeaker



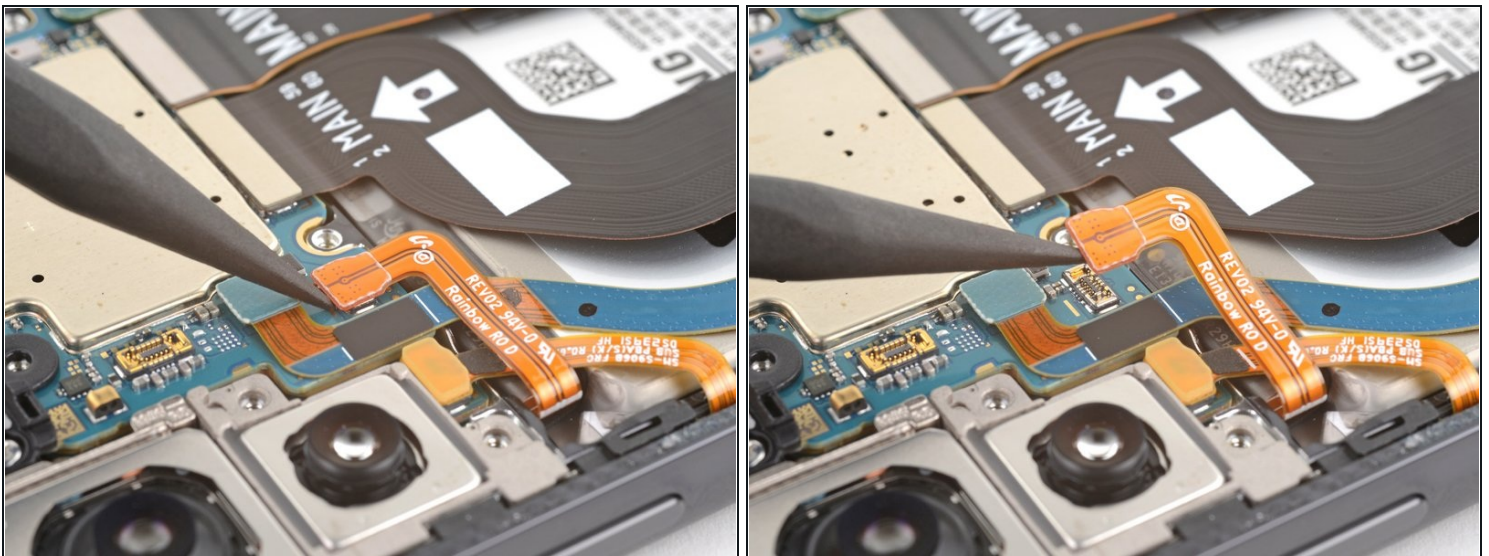
- Insert the pointed end of your spudger between the upper left corner of the loudspeaker and the frame.
 - Pry up to unclip the loudspeaker from the frame.
- ☒ During reassembly, press around the perimeter of the loudspeaker to engage the clips.

Step 17 — Remove the charging coil and loudspeaker assembly



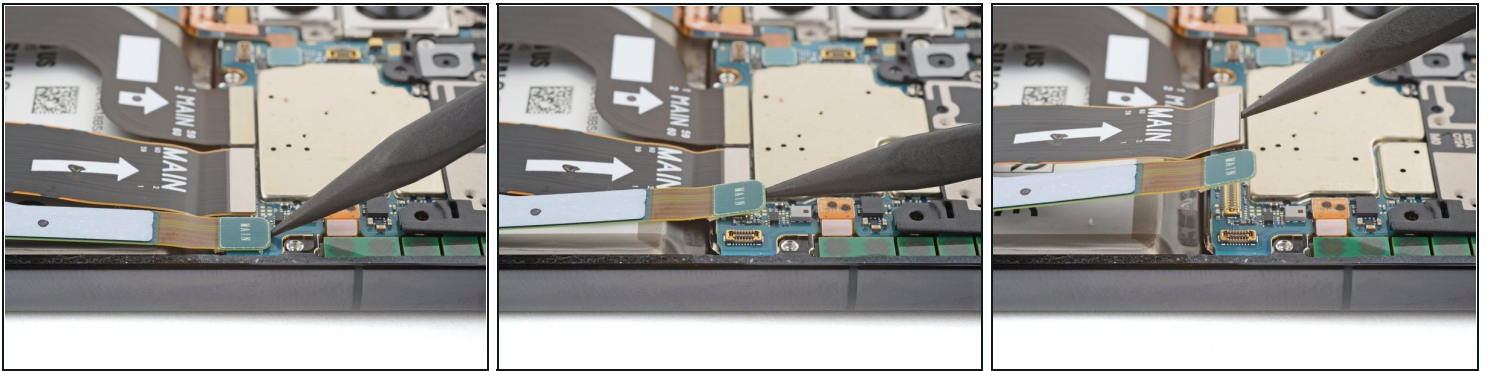
- Grab and remove the wireless charging coil and loudspeaker from the frame.
⚠ Do not separate the charging coil from the loudspeaker.

Step 18 — Disconnect the battery



- Use the pointed end of your spudger to pry up and disconnect the battery press connector.

Step 19 — Disconnect the interconnect cables



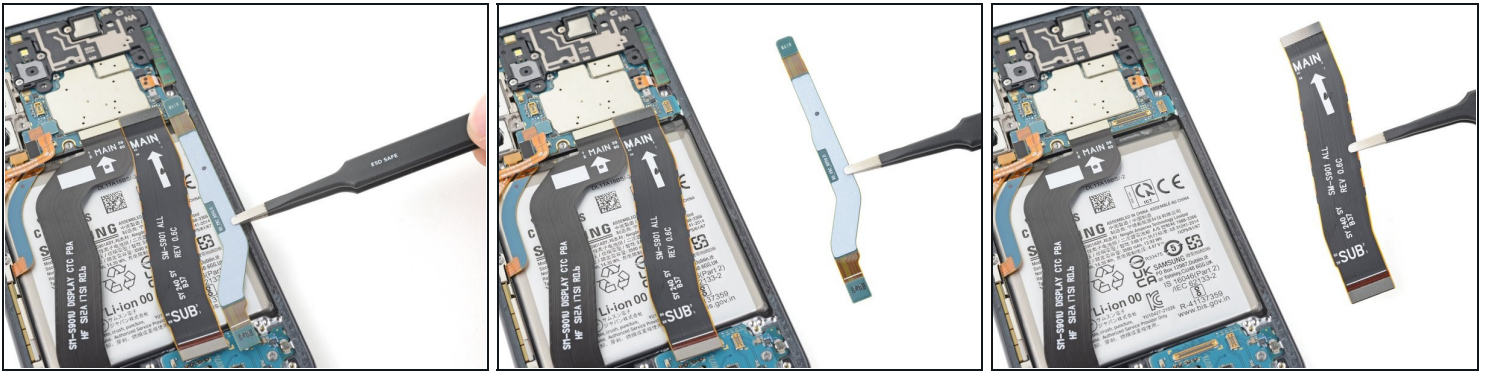
- Use the pointed end of your spudger to pry up and disconnect both interconnect cables from the motherboard.

Step 20



- Use the pointed end of your spudger to pry up and disconnect both interconnect cables from the charging board.

Step 21 — Remove the interconnect cables



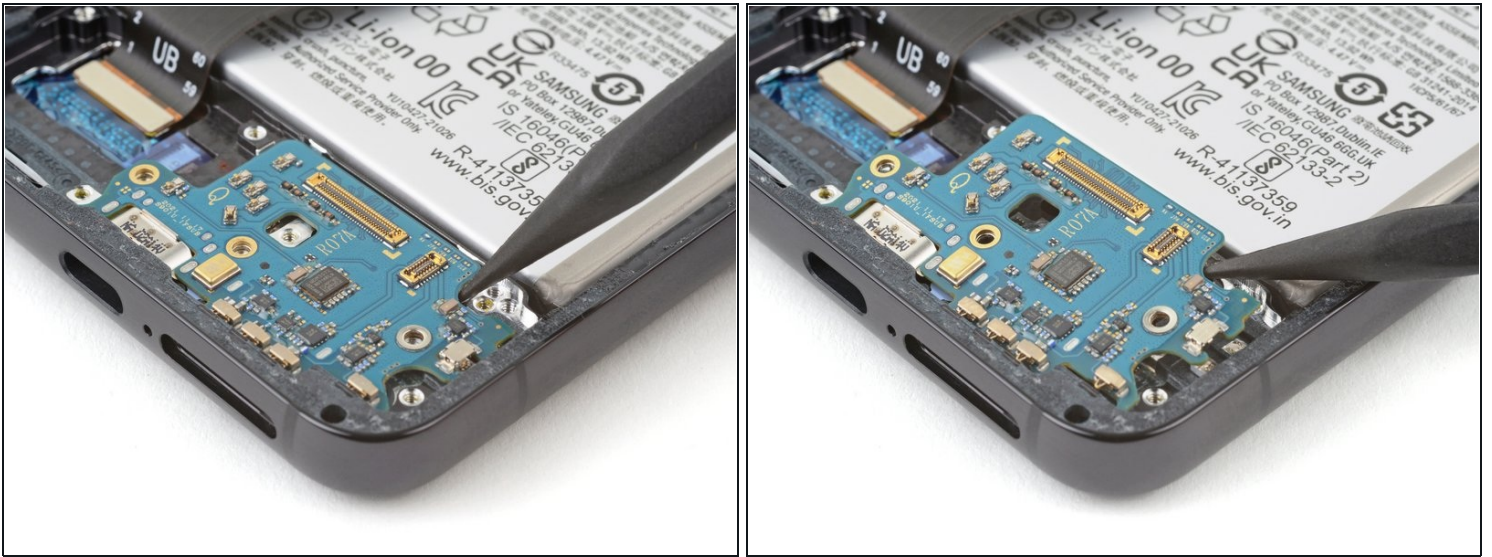
- Grab and remove the two interconnect cables from the frame.
- ☒ During reassembly, orient the cables so the "main" ends are toward the top of the phone and the "sub" ends are toward the bottom.

Step 22 — Unfasten the charging board



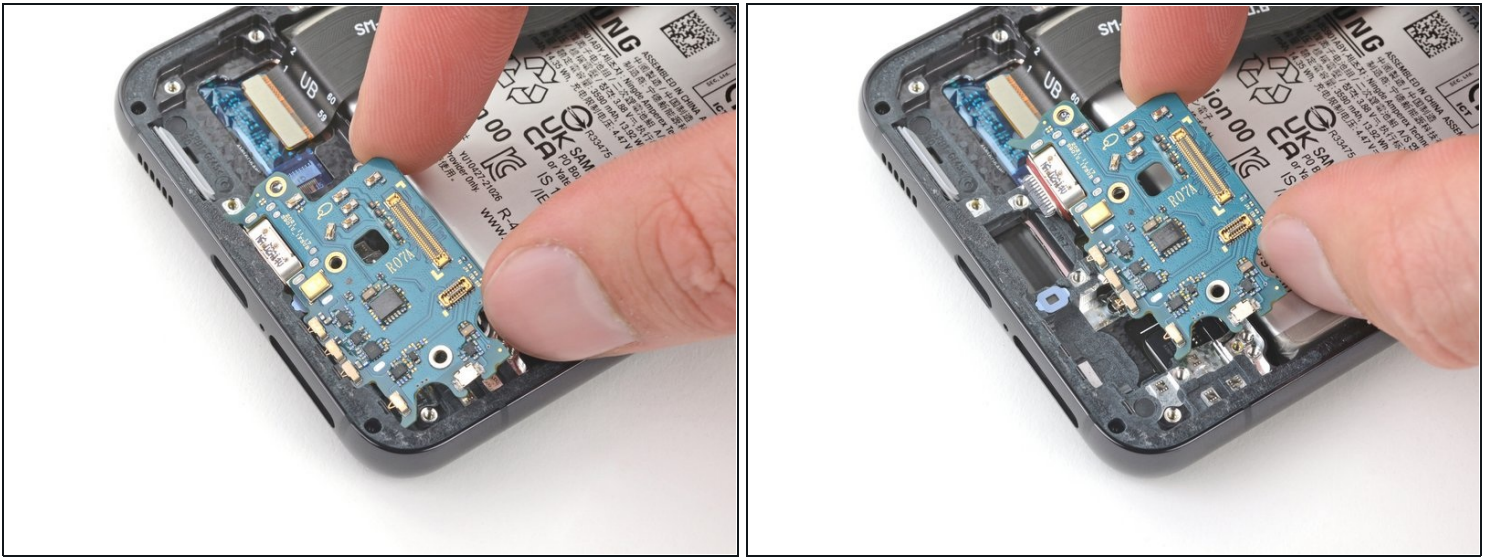
- Use your Phillips screwdriver to remove the three 3.5 mm-long screws securing the charging board.

Step 23 — Pry up the charging board



- Insert the pointed end of your spudger between the top right of the charging board and the frame.
- Pry the charging board up from its recess until you can grab it with your fingers.

Step 24 — Remove the charging board



- Grip the charging board by its corners and slide it out of its recess in the frame.
 - Remove the charging board.
- ☒ During reassembly, reinsert the charging board at a downward angle to guide the USB-C port into its recess.

To reassemble your device, follow the instructions in reverse order and perform the opposite actions, e.g., "reattach" instead of "removing."

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Check out our [Answers community](#) for troubleshooting help.