



Samsung Galaxy Tab S7+ 5G USB-C Charging Port and Daughterboard Replacement

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

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INTRODUCTION

Use this guide to replace the USB-C port and daughterboard in your Samsung Galaxy Tab S7+ 5G.

Note: this guide is for the 5G version. For the Wi-Fi version, click [here](#).

In order to replace the USB-C port and daughterboard, you must remove the screen. The screen has sensitive components, so there's a risk you'll damage it during the procedure. **Be sure to apply plenty of heat and be extremely careful during the prying stage.**

For your safety, fully discharge the battery before disassembling your tablet. This reduces the risk of fire 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.

Some photos in this guide are from a different model and may contain slight visual discrepancies, but they won't affect the guide procedure.



TOOLS:

[Tweezers](#) (1)
[Suction Handle](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[iOpener](#) (1)
[Spudger](#) (1)
[Phillips #00 Screwdriver](#) (1)



PARTS:

[Samsung Galaxy Tab S7+ \(5G Verizon\)](#)
[USB-C Charge Port - Genuine](#) (1)

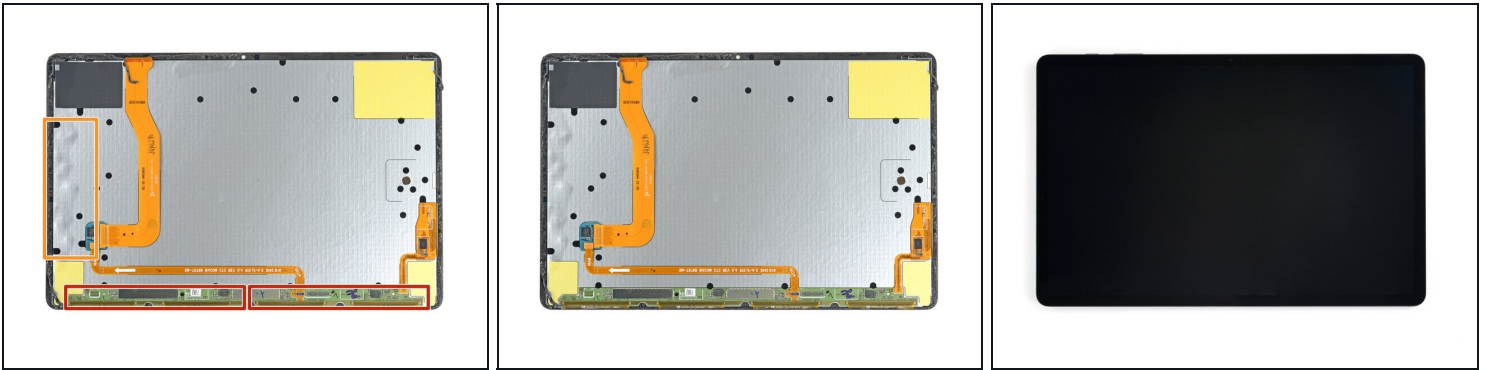
Step 1 — Heat the bottom edge



⚠ Completely power off your device before you begin.

- Apply a [heated iOpener](#) to the bottom edge of the device for three minutes to loosen the adhesive underneath.
- ⓘ The display adhesive of the Galaxy Tab S7+ is extremely strong, and it's likely you need to reheat and reapply the iOpener several times before starting the display removal and during the removal procedure.
- ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the device.

Step 2 — Screen removal information



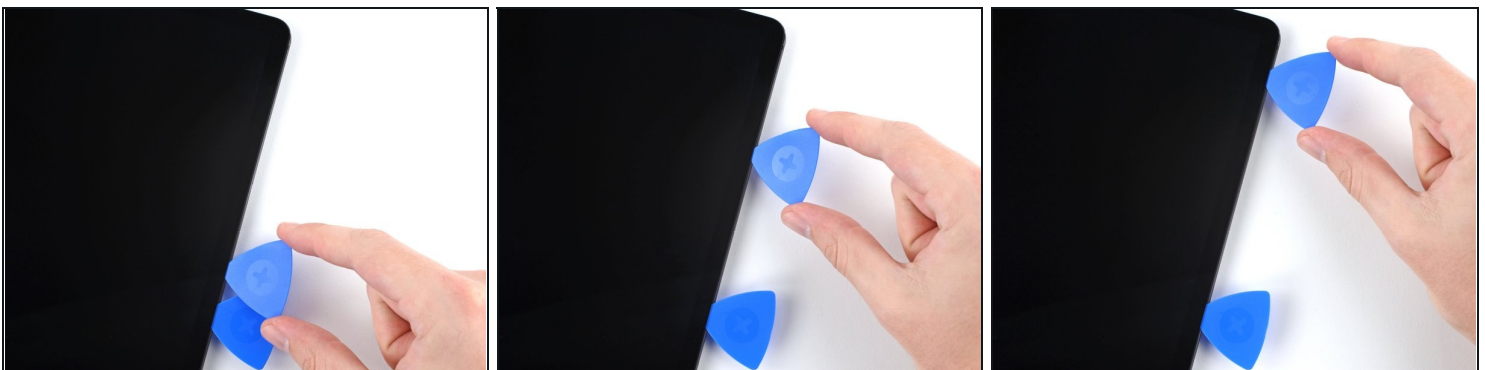
- ⓘ While you're waiting for the adhesive to loosen, note the following:
- There's a long circuit board attached to the screen that sits parallel to the bottom edge.
⚠ Don't insert the pick more than 2 mm to avoid damaging the circuit board.
 - This image shows an example of a damaged display separating from the glass panel.
⚠ Don't insert the pick more than 3 mm to avoid damaging the display.

Step 3 — Insert an opening pick



- Once the screen is warm to touch, apply a suction handle to the bottom edge of the screen and as close to the edge as possible.
- ① If your screen is badly cracked, covering it with a layer of clear packing tape may allow the suction cup to adhere. Alternatively, very strong tape may be used instead of the suction handle. If all else fails, you can superglue the suction cup to the screen.
- Lift the screen with the suction handle to create a small gap between the screen and the frame.
- Insert an opening pick into the gap between the frame and the screen.
⚠ Don't insert the pick more than 2 mm to avoid damaging the circuit board.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 4 — Separate the bottom adhesive



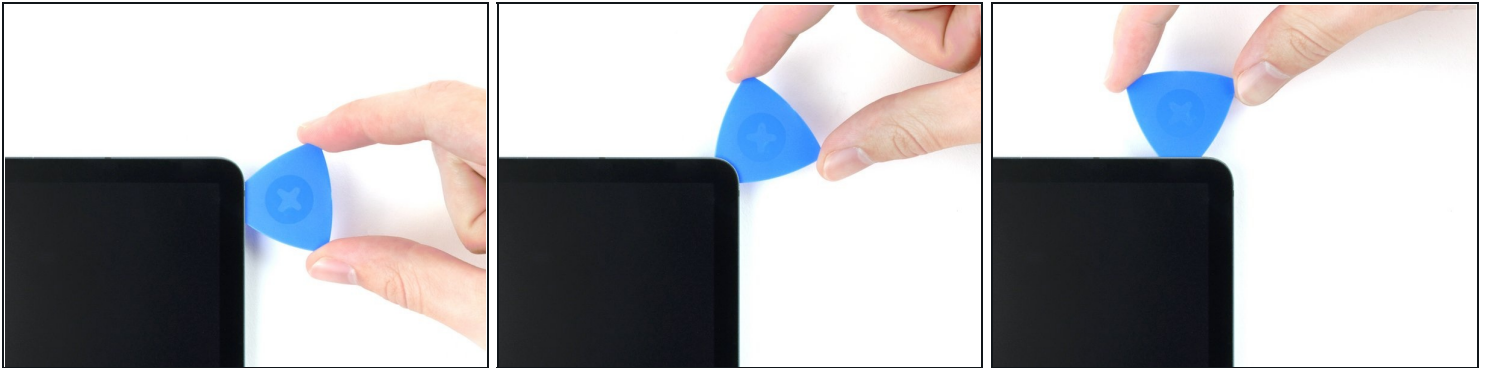
- Insert a new opening pick into the gap you created.
- Slide the new pick along the bottom edge of the device towards the bottom-right corner.

Step 5 — Heat the right edge



- Apply a [heated iOpener](#) to the right edge of the device for two minutes to loosen the adhesive underneath.

Step 6 — Separate the bottom-right corner adhesive



- Rotate the opening pick around the bottom-right corner of the device.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 7 — Separate the right edge



- Insert a new opening pick into the gap you created at the bottom right corner.
⚠ Don't insert the pick more than 3 mm to avoid damaging the components along the right edge.
- Slide the new pick along the right edge of the device towards the top-right corner.

Step 8 — Heat the top edge



- Apply a [heated iOpener](#) to the top edge of the device for two minutes to loosen the adhesive underneath.

Step 9 — Separate the top-right corner adhesive



- Rotate the opening pick around the top-right corner of the device.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 10 — Separate the top adhesive



- Insert a new opening pick into the gap you created.
- Slide the new pick along the top edge of the device towards the top-left corner.

Step 11 — Heat the left edge



- Apply a [heated iOpener](#) to the left edge of the device to loosen the adhesive underneath.

Step 12 — Separate the top-left corner adhesive



- Rotate the opening pick around the top-left corner of the device.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 13 — Separate the left adhesive



- Insert a new opening pick into the gap you created.
- Slide the new pick along the left edge of the device towards the bottom-left corner.

Step 14 — Separate the bottom-left corner adhesive



- Rotate the opening pick around the bottom-left corner of the device.
 - Leave the opening pick in place to prevent the adhesive from resealing.
- ① At this point, the perimeter of the screen should be separated from the frame. If there's still resistance around the edges of the screen, use an opening pick to cut the adhesive again.

Step 15 — Remove the screen



⚠ Don't try to remove the screen all the way yet; it's still connected by a flex cable.

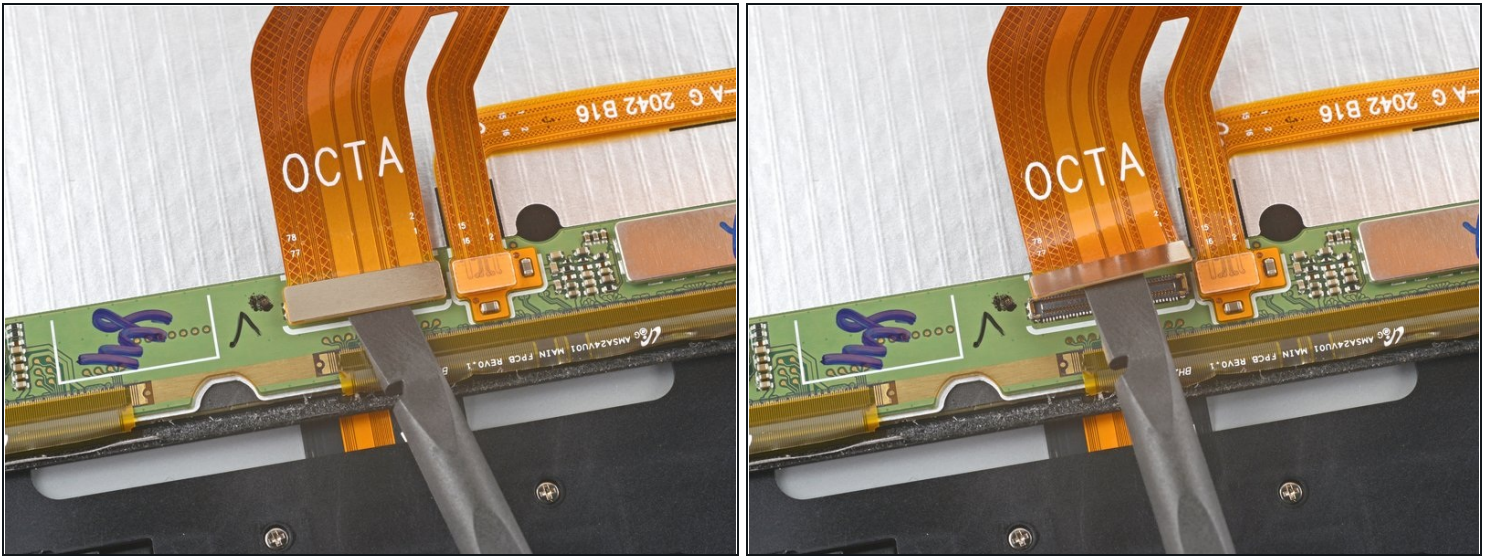
- With the top of the device facing you, lift the bottom edge of the screen up and away from you like you're opening a book.
- Rest the screen upside down before continuing.

⚠ Be careful not to strain the flex cable.

★ During reassembly:

- This is a good point to power on your tablet and test all functions before sealing it up. Be sure to power your tablet back down completely before you continue working.
- Remove any adhesive chunks with a pair of [tweezers](#) or your fingers. Use some high concentration (over 90%) isopropyl alcohol to wipe away any adhesive residue.
- If you're using custom-cut adhesives, [follow this guide](#). If you're using double-sided tape, [follow this guide](#).

Step 16 — Disconnect the display cable



- Use the flat end of a spudger to pry up and disconnect the display cable's press connector from the back of the screen.

⚠ Be careful not to damage the wide display flex ribbons on the bottom edge of the screen.

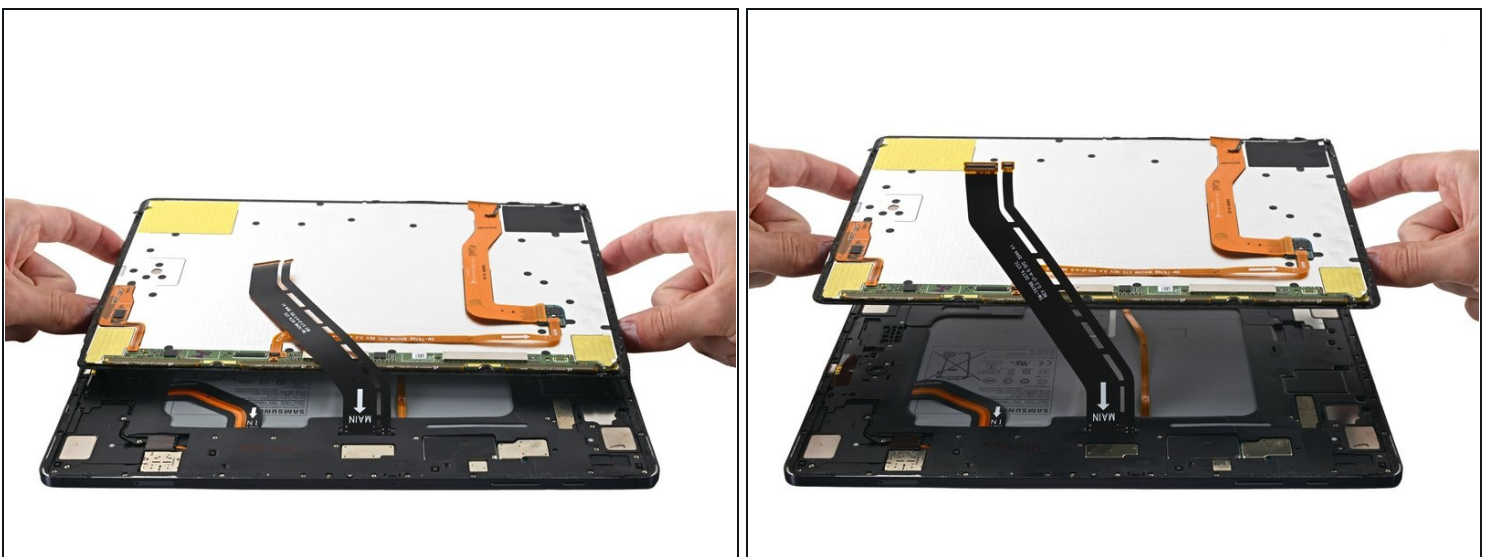
- ☑ To re-attach [press connectors](#) like this one, carefully align and press down on one side until it clicks into place, then repeat on the other side. Do not press down on the middle. If the connector is misaligned, the pins can bend, causing permanent damage.

Step 17



- Use tweezers, or your fingers, to hold the display cable in place.
- Use the flat end of a spudger to pry up and disconnect the fingerprint sensor's press connector attached to the display cable.
- ☒ Take note of the display cable's position—you'll need to bend it in the same way when connecting a new screen.

Step 18 — Remove the screen



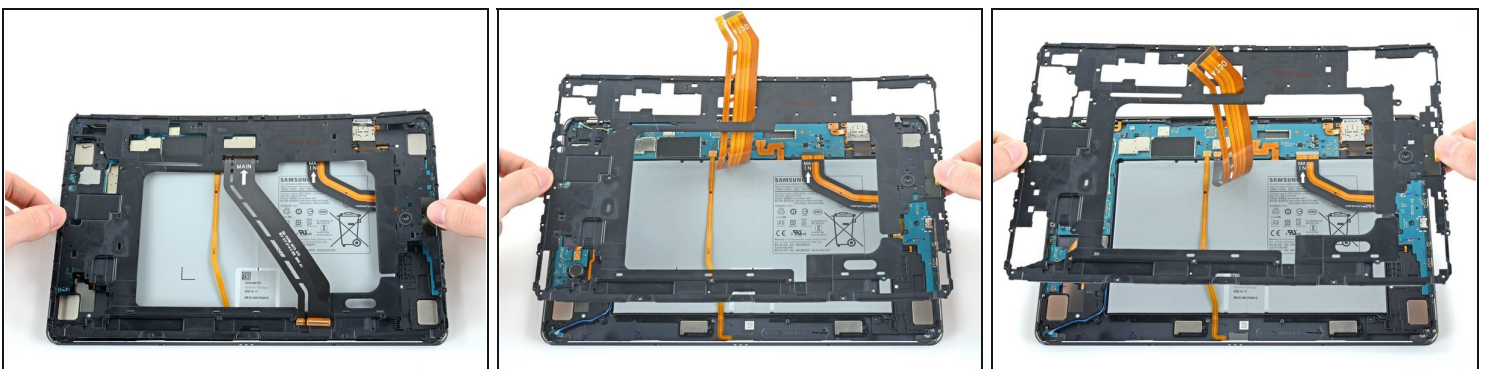
- Remove the screen from the frame.

Step 19 — Unfasten the frame bracket



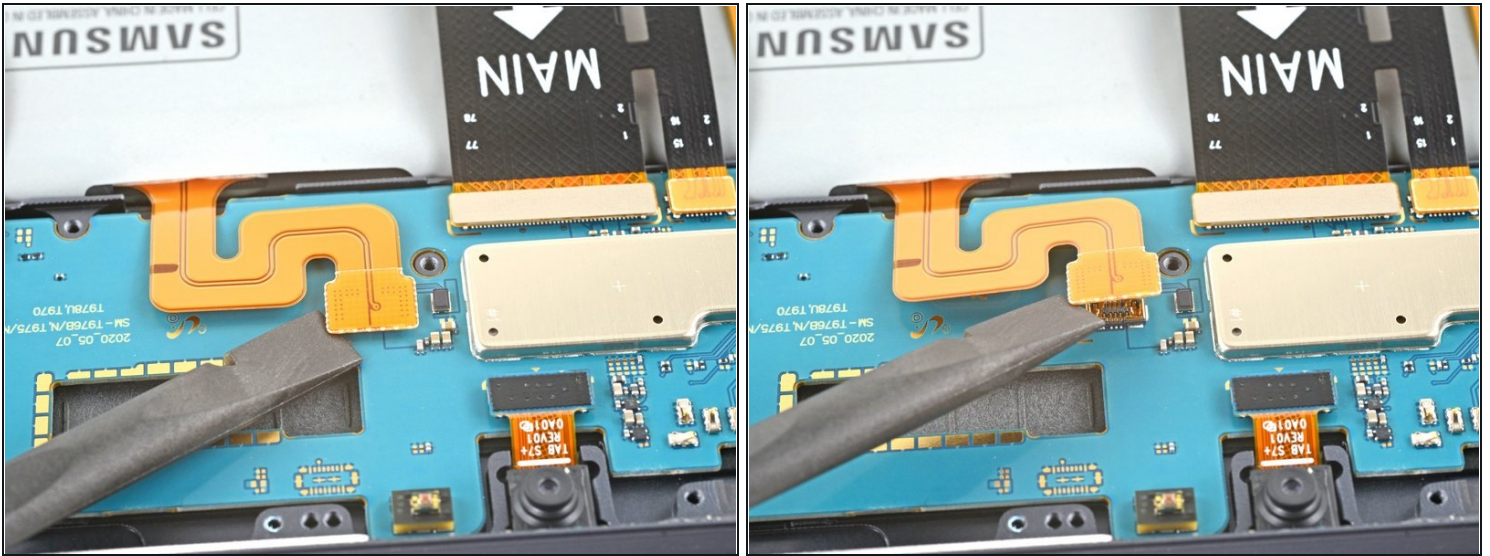
- Use a Phillips #00 screwdriver to remove the fifty 3 mm-long screws securing the frame bracket to the frame.
- ☑ The third photo has the same screws marked by quadrant. Use this photo during reassembly to help account for all the screws:
 - Bottom left = 9 screws
 - Bottom right = 14 screws
 - Top right = 12 screws
 - Top left = 15 screws

Step 20 — Remove the frame bracket



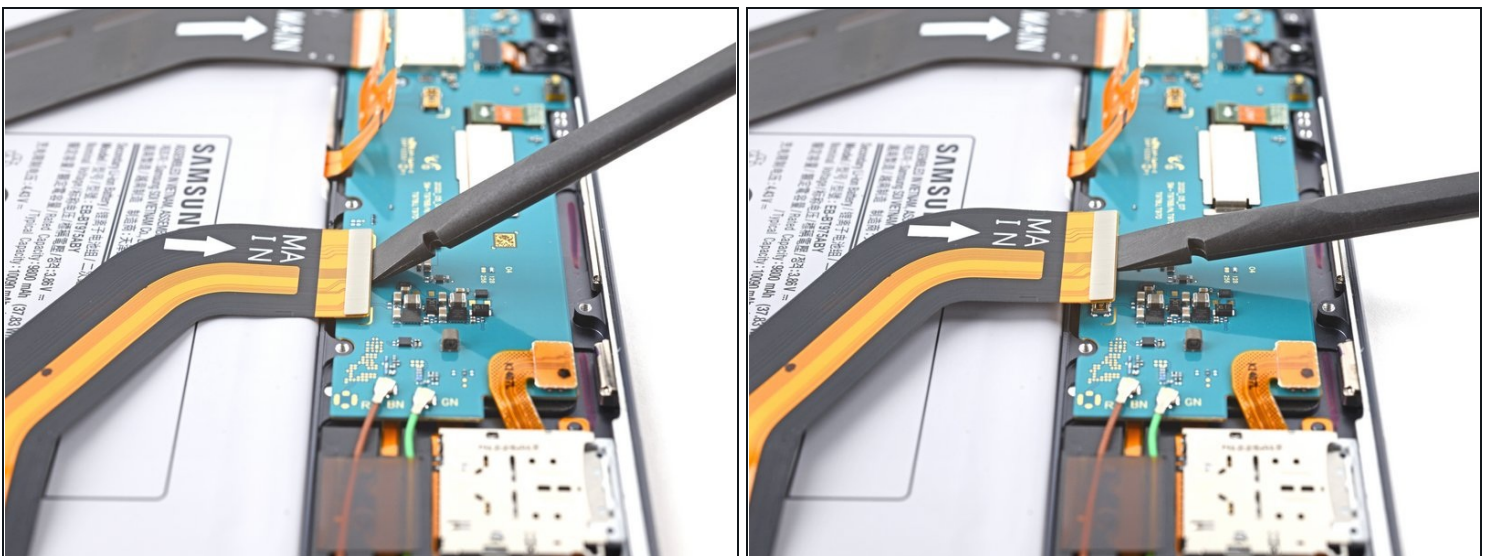
- Lift the frame bracket away from the frame, making sure to thread the display cable through its slot.

Step 21 — Disconnect the battery



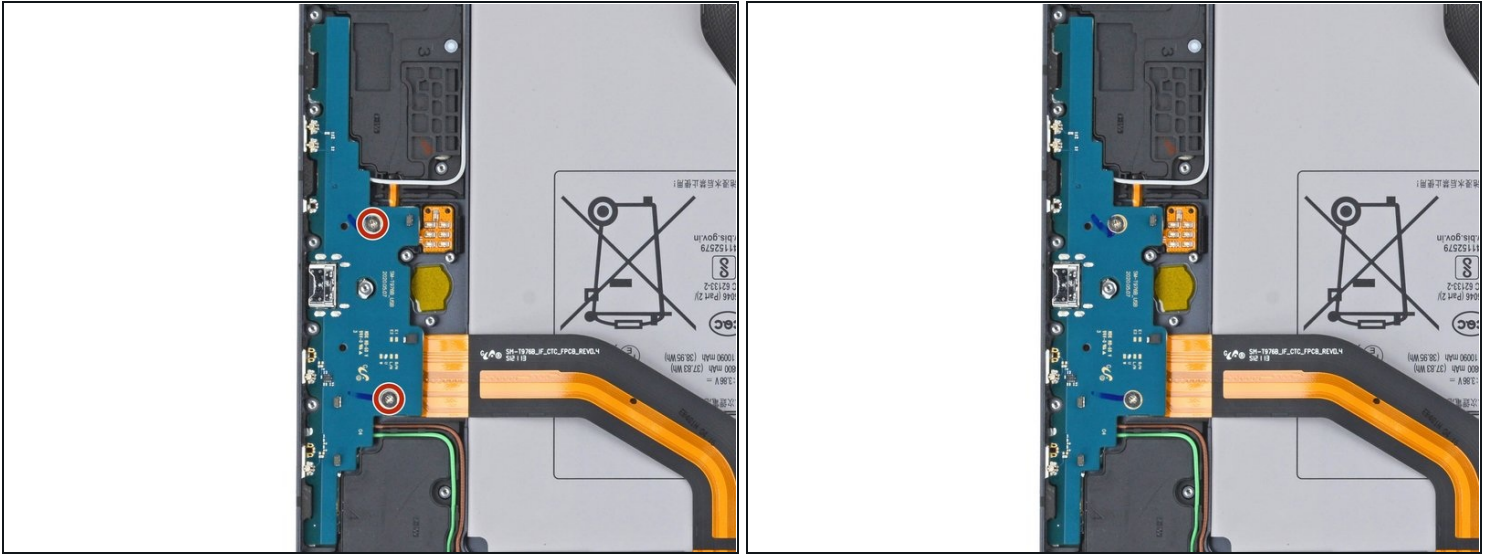
- Use the flat end of a spudger to pry up and disconnect the battery's press connector from the motherboard.

Step 22 — Disconnect the daughterboard interconnect cable



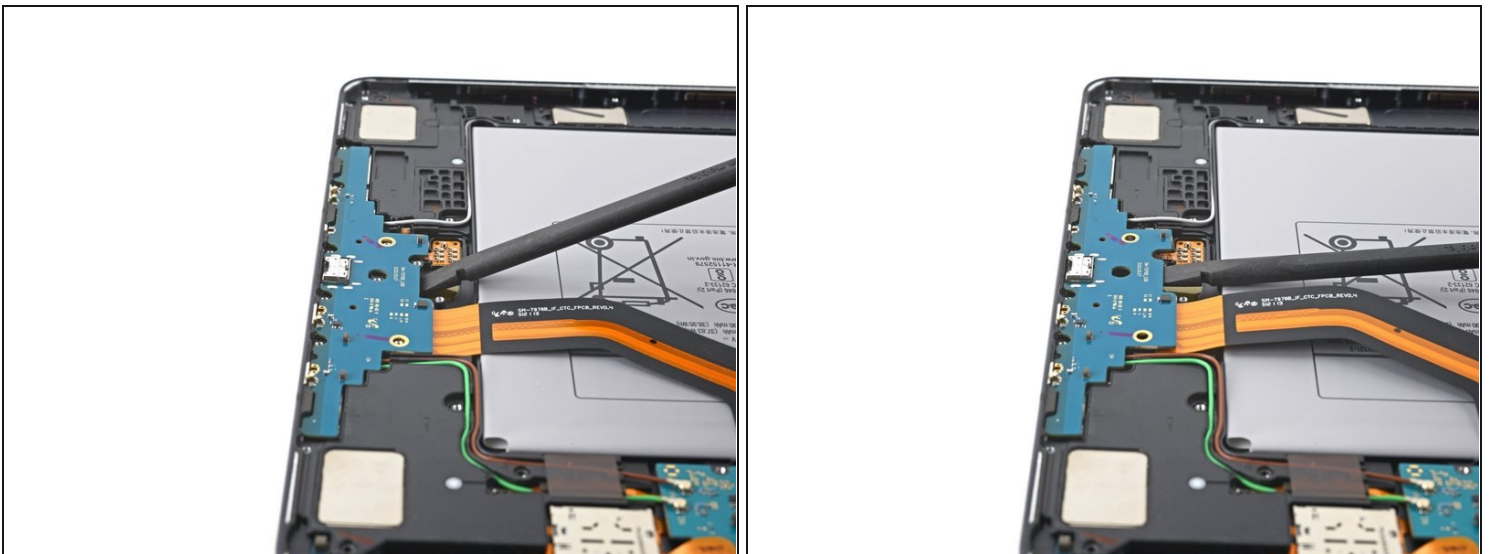
- Use the flat end of a spudger to pry up and disconnect the daughterboard interconnect cable's press connector from the motherboard.

Step 23 — Unfasten the charging daughterboard



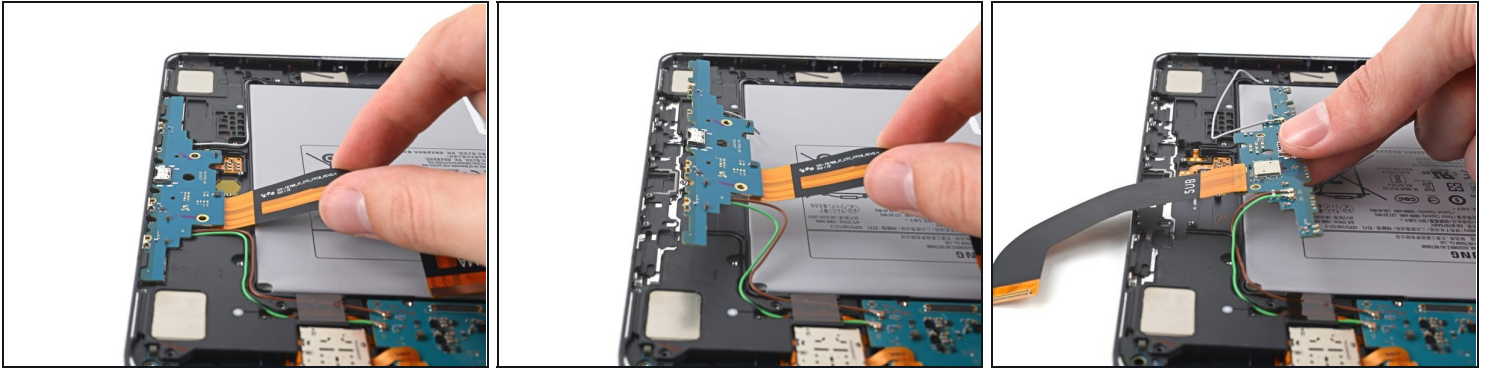
- Use a Phillips #00 screwdriver to remove the two 2 mm screws securing the charging daughterboard to the frame.

Step 24 — Reposition the charging daughterboard



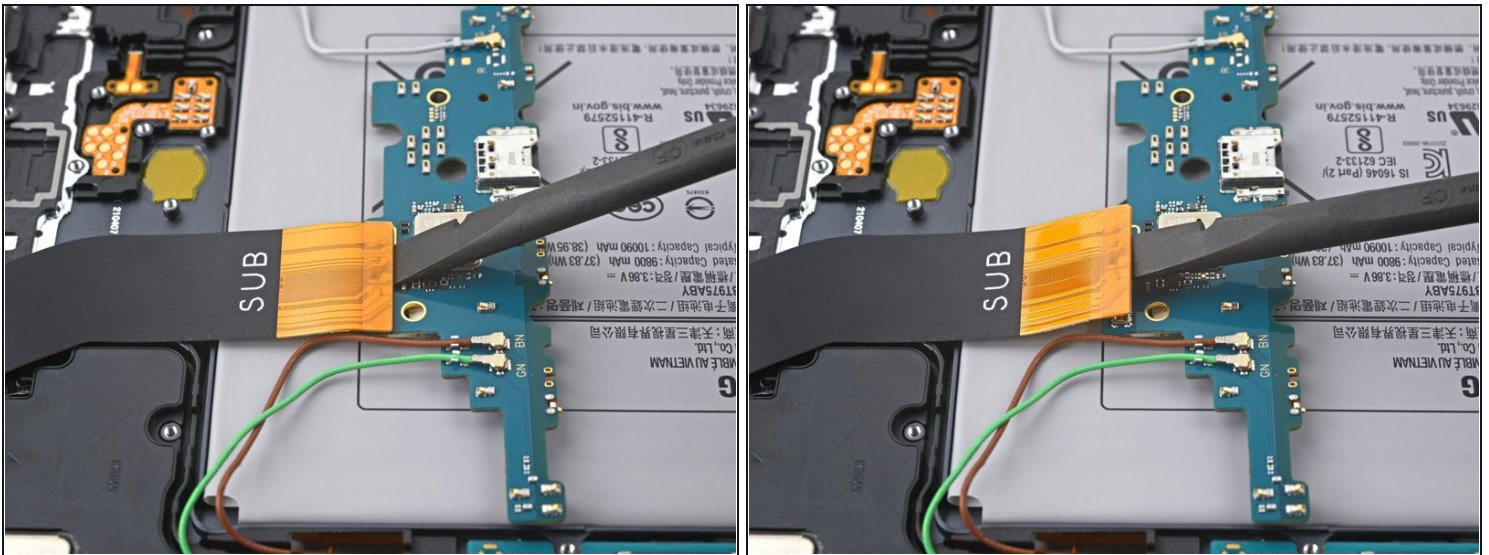
- Insert a spudger between the charging daughterboard and the frame.
- Pry up with the spudger to release the clips securing the charging daughterboard.

Step 25



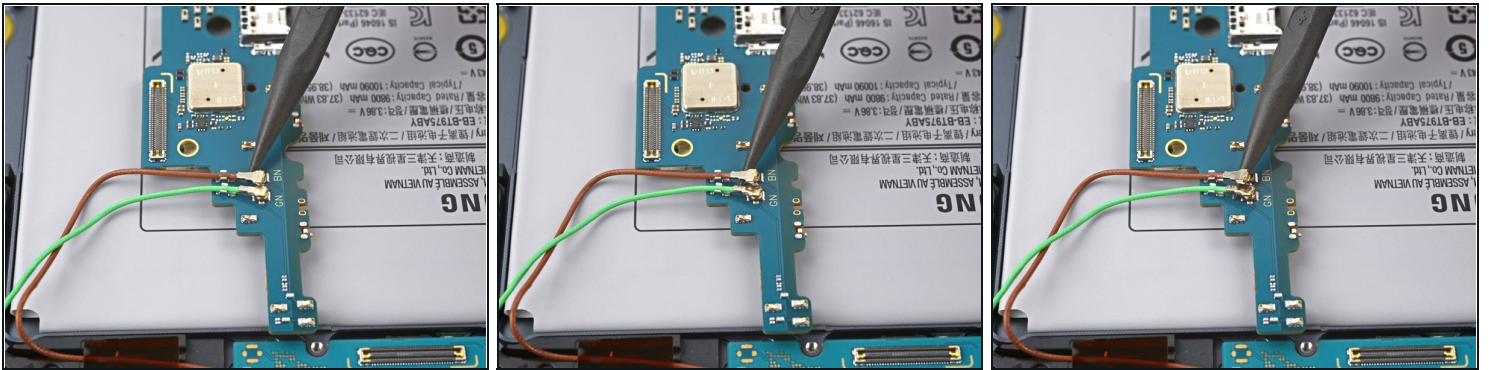
- Use your fingers to pull the charging daughterboard from its slot in the frame.
- Turn the charging board upside down, making sure not to twist the coaxial cables too far.

Step 26 — Disconnect the interconnect cable



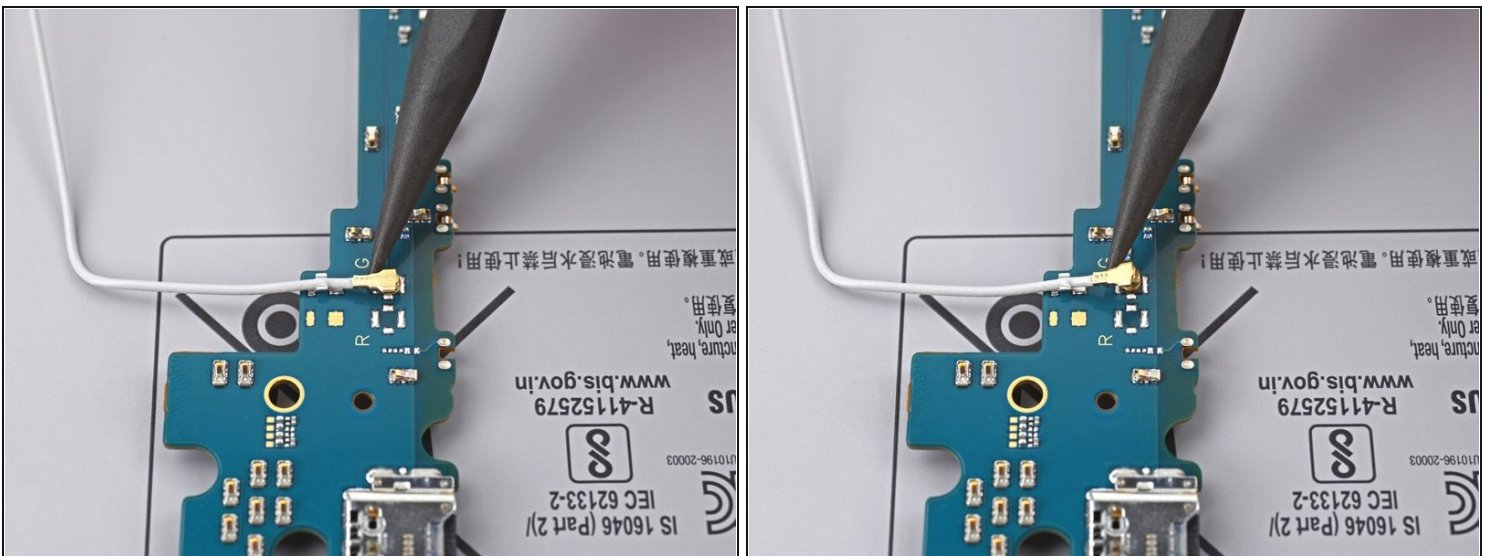
- Use the flat end of a spudger to pry up and disconnect the interconnect cable's press connector secured to the charging daughterboard.
 - Use [tweezers](#), or your fingers, to remove the interconnect cable.
- ☒ Set the cable aside. You'll reuse it during reassembly.

Step 27 — Disconnect the coaxial cables



- Use the point of a spudger to carefully pry up and disconnect the brown and green coaxial cable from the bottom of the daughterboard.
- ☑ During reassembly, these can be tricky to reconnect. One at a time, hold each connector in place over its socket and press down with the flat end of a spudger. The connector should snap into place.

Step 28



- Use the point of a spudger to carefully pry up and disconnect the white coaxial cable from the top of the daughterboard.

Step 29 — Remove the charging daughterboard



- Remove the daughterboard from the frame.
- ✦ During reassembly, reconnect the interconnect cable to the daughterboard before fastening the screws.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before you install it.

To reassemble your device, follow these instructions in reverse order.

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Samsung Galaxy Tab S7+ Answers community](#) for help.