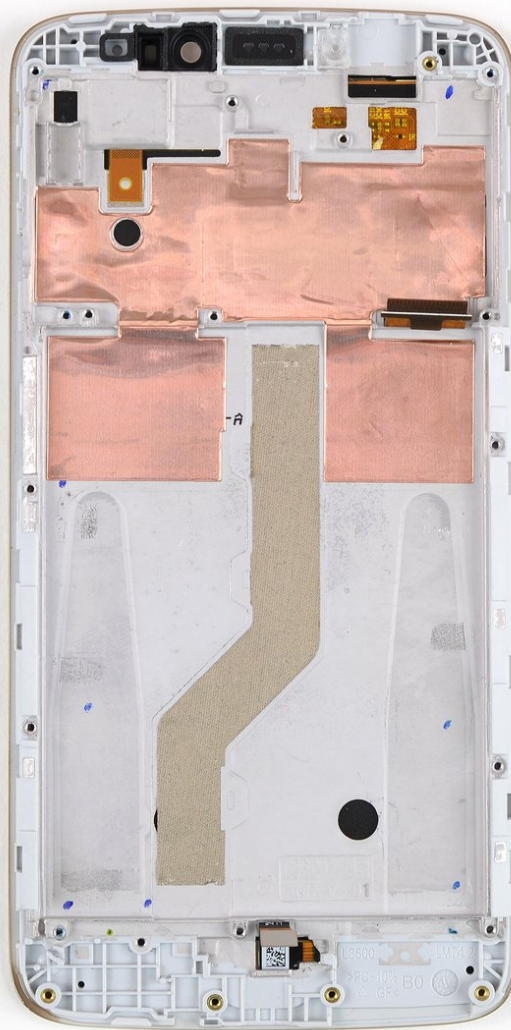




Motorola Moto E4 Plus Screen Replacement

This guide shows how to remove and replace the screen assembly including the frame of the Motorola Moto E4 Plus.

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INTRODUCTION

Use this guide to remove and replace the screen assembly including the frame of the Motorola Moto E4 Plus.

While this guide is written with the XT1771 model, you can also use this guide for other Moto E4 Plus variants, such as XT1772, and XT1773.

Before disassembling your phone, discharge the battery below 25%. [If your battery is swollen](#), do not heat your phone. Swollen batteries can be very dangerous, so wear eye protection and exercise due caution, or take it to a professional if you're not sure how to proceed.

You'll need replacement adhesive to reattach components when reassembling the device.



TOOLS:

- [Spudger](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Tweezers](#) (1)
- [iOpener](#) (1)



PARTS:

- [Moto E4 Plus Screen](#) (1)
- [Moto E4 Plus Display Adhesive](#) (1)

Step 1 — Remove the back cover



 Power off your phone before beginning disassembly.

- Insert the edge of the spudger into the notch on the bottom right corner of the phone.
- Twist the spudger to start releasing the back cover from the phone.
- Slide the spudger along the bottom edge to separate the back cover from the phone.

Step 2



- Lift the phone unit out of the back cover.

Step 3 — Midframe



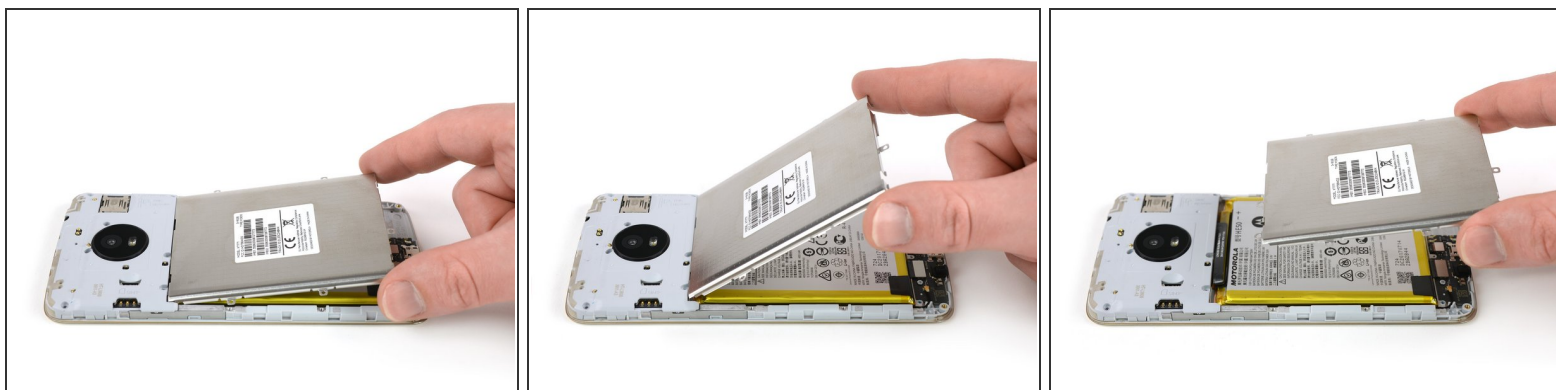
- Remove the eighteen 3.3 mm Phillips screws securing the midframe assembly.

Step 4



- Remove the charging board cover.

Step 5



- Remove the battery cover.

Step 6



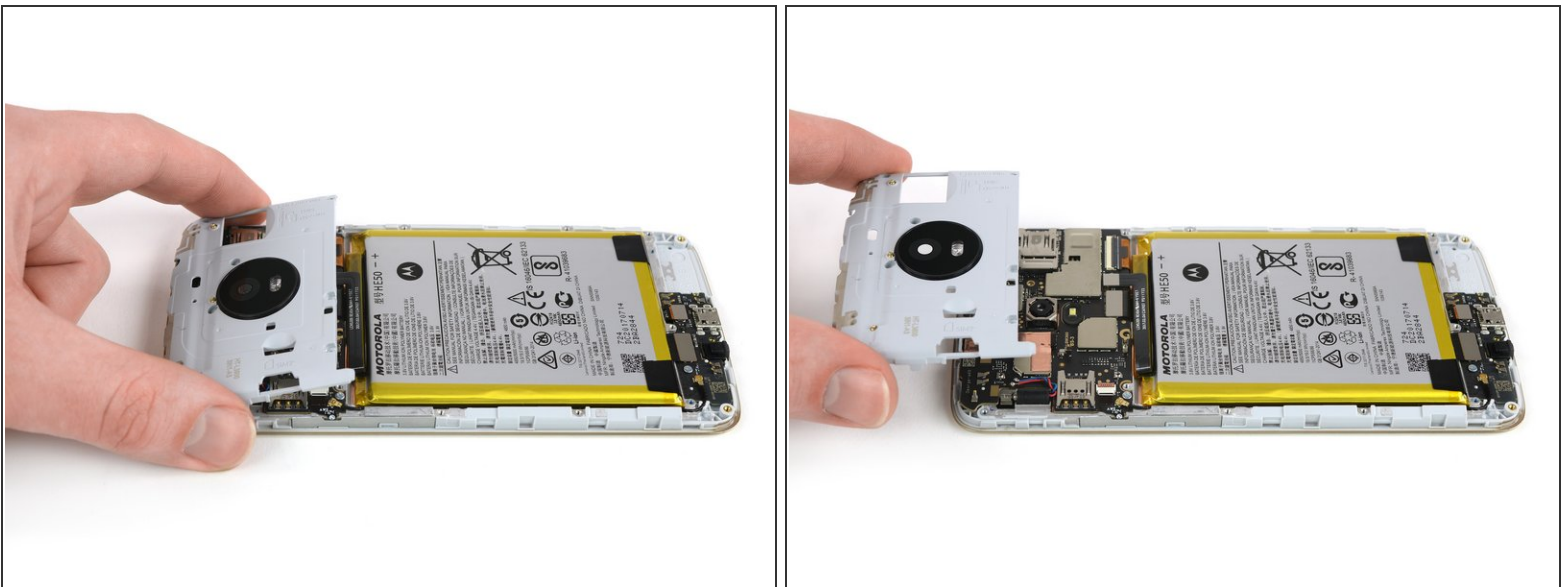
- Insert an opening pick underneath the bottom left corner of the motherboard cover.
- Slide the opening pick between the cover and the second SIM tray to release the plastic clip.

Step 7



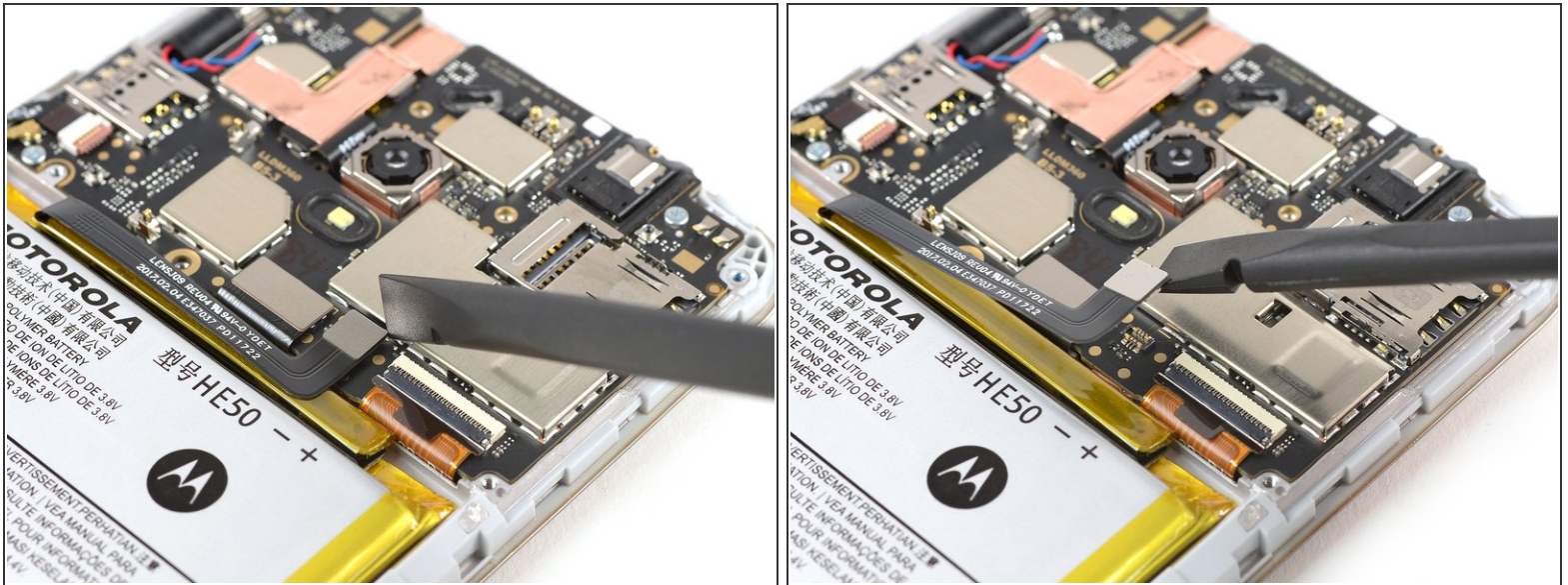
- Insert an opening pick underneath the bottom right corner of the motherboard cover.
- Use the opening pick to pry up the motherboard cover.

Step 8



- Remove the motherboard cover.

Step 9 — Battery Disconnect



- Use the edge of a spudger to pry up and disconnect the battery flex cable from the motherboard.

Step 10 — Motherboard Assembly



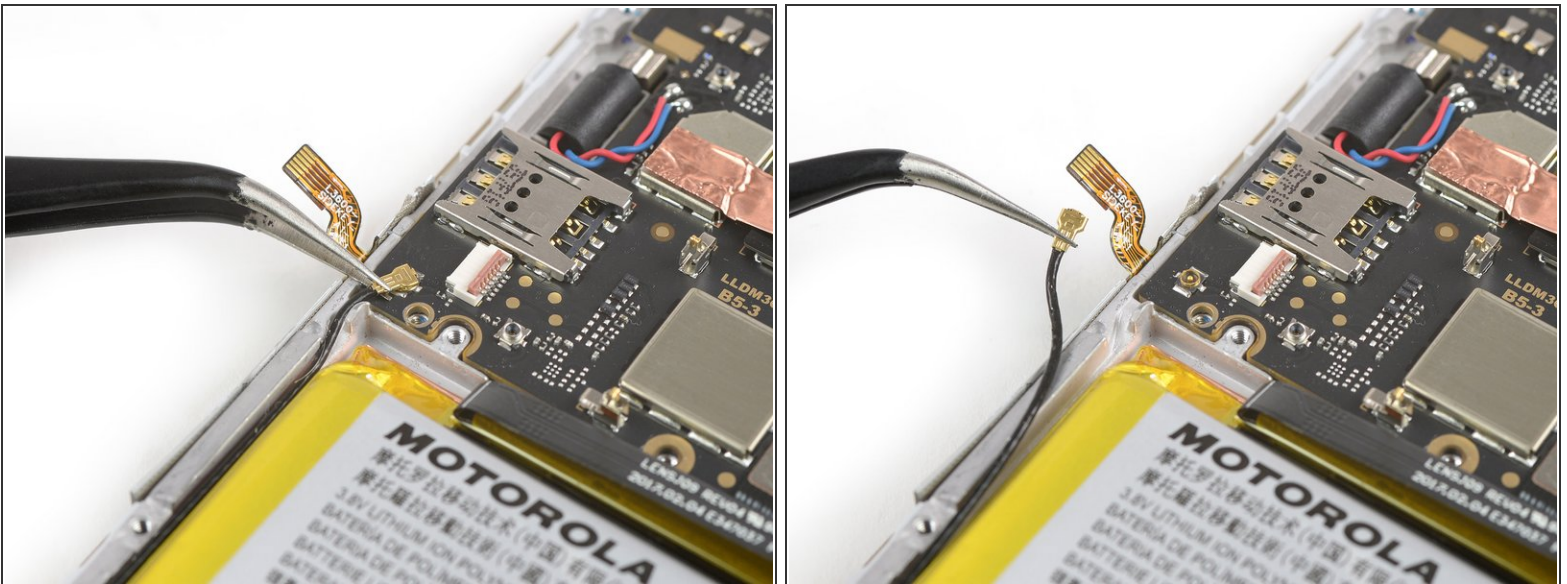
- Remove the two 2.9 mm Phillips screws.

Step 11



- Use the edge of a spudger to pry up the flap of the ZIF connector located below the SIM slot on the left side of the motherboard.
 - Use a pair of tweezers to pull the power and volume button flex cable out of the ZIF connector.
- ☒ To reattach [ZIF connectors](#) like this one, carefully insert the flex cable into the ZIF connector up to the marked line on the cable, and then close the locking flap.

Step 12



- Use a pair of tweezers to pry up and disconnect the antenna cable.

Step 13



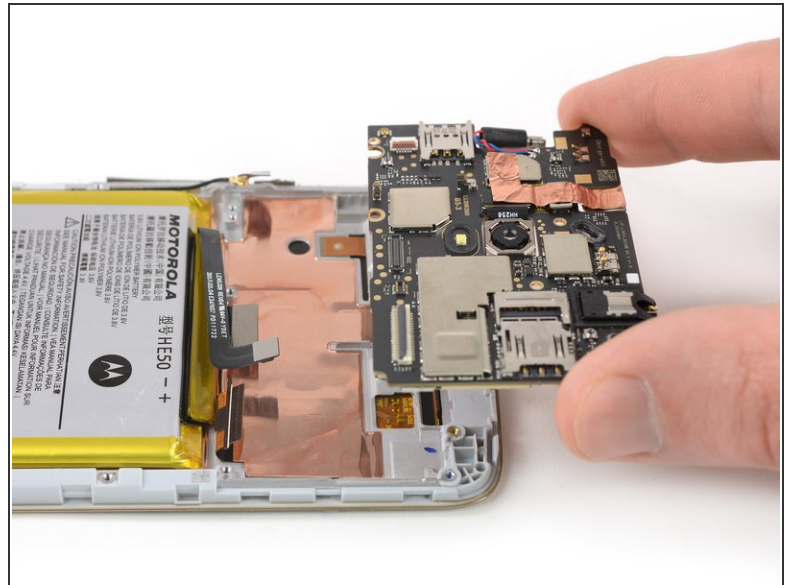
- Use the flat end of a spudger to pry up and disconnect the interconnect flex cable.

Step 14



- Use the tip of a spudger or an opening pick to pry up the flap of the ZIF connector, located in the bottom right corner of the motherboard.
- Use a pair of tweezers to pull the display flex cable out of the ZIF connector.

Step 15



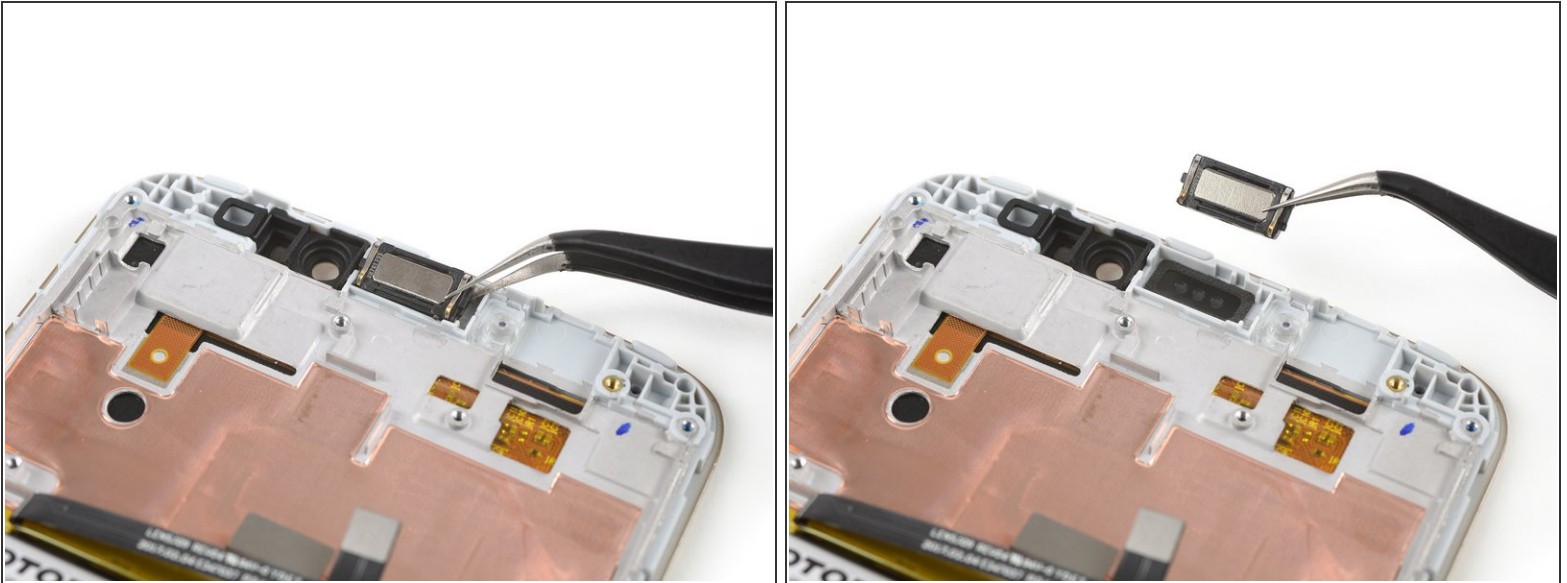
- Grasp the motherboard by the top corners and remove it by lifting up and pulling it carefully out of its recess.


Step 16 — Earpiece Speaker




- Apply a [heated iOpener](#) to the upper part of the phone for about 30 seconds to loosen the adhesive beneath the earpiece speaker.

Step 17



 When removing the earpiece speaker with a pair of tweezers, take care to grab the whole unit. The earpiece speaker can easily break in two pieces if you only pull on its upper half.

- Use a pair of tweezers to lift the earpiece speaker out of its recess and remove it.
-  When reassembling, be sure to properly orient the earpiece speaker such that the gold contacts are pointing away from the top edge.

Step 18 — Display with Frame



- Use a pair of tweezers to gently peel the power and volume button unit out of its thin recess on the left side of the frame.
- Remove the power and volume button unit.

Step 19



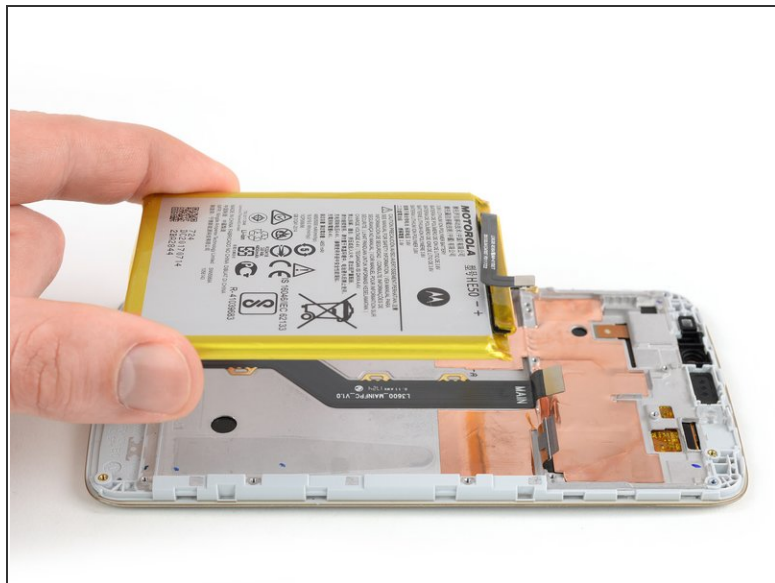
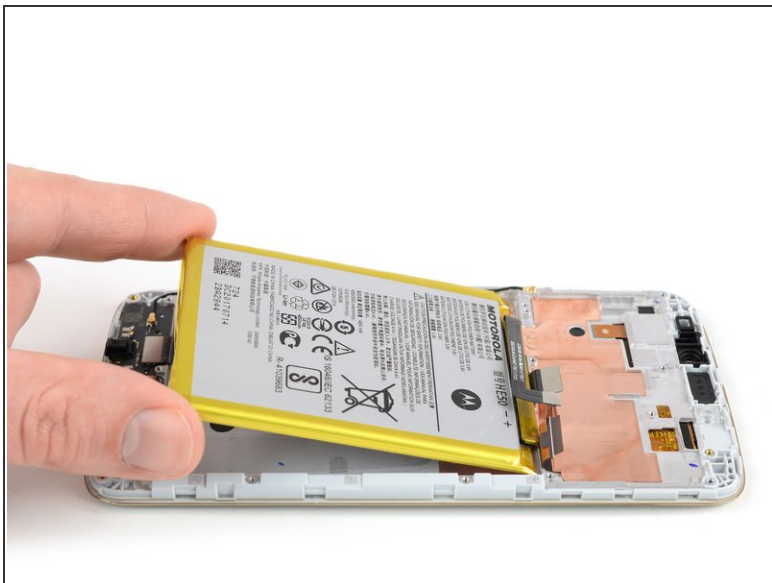
- Use a pair of tweezers to peel the ends of the two pull tabs off of the bottom edge of the battery.

Step 20



- Pull out the left adhesive strip by steadily pulling the left tab at a flat angle.
 - ❗ If the adhesive strip rips, grab and twist the remaining stub around the tip of a pair of tweezers a couple of times and then continue pulling.
- Repeat the same process for the right adhesive strip.

Step 21



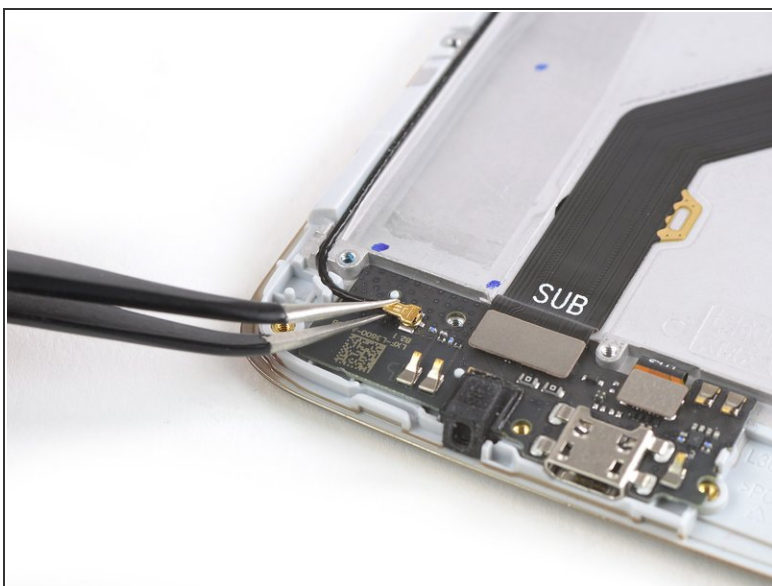
- Get a good grip on the battery and remove it.

Step 22



- Remove the single 2.9 mm Phillips screw holding the charging board to the frame.

Step 23



- Use a pair of tweezers to pry up and disconnect the antenna cable and remove it.

Step 24



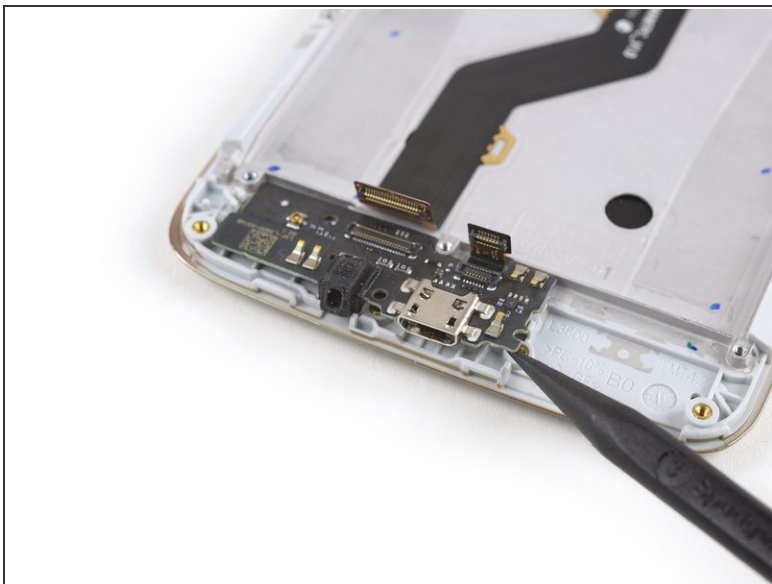
- Use the edge of a spudger to pry up and disconnect the interconnect flex cable.

Step 25



- Use the edge of a spudger to pry up and disconnect the fingerprint sensor flex cable.

Step 26



- Insert the tip of a spudger underneath the bottom edge of the charging board and pry upwards.
- Remove the charging board.

Step 27



- Use a pair of tweezers to gently peel the interconnect flex cable from the frame and remove it.

Step 28



- The bare screen with frame remains.
- ★ Before reassembly, check your new part for any components like gaskets, that might need to be transferred from the old one.

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

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