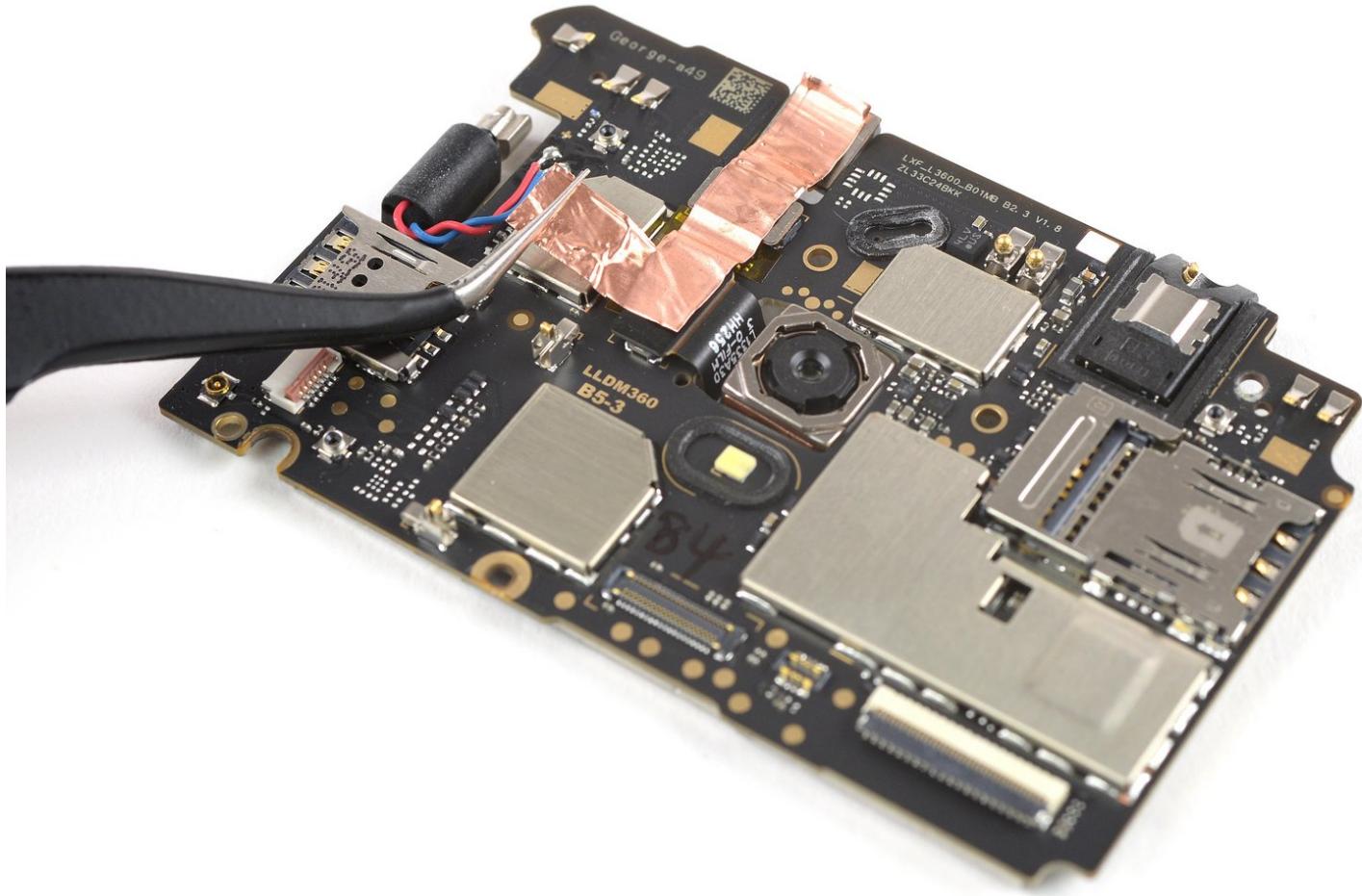




# Motorola Moto E4 Plus (XT1771) Motherboard Replacement

This guide shows how to remove the motherboard in the Motorola Moto E4 Plus (XT1771).

Written By: Dominik Schnabelrauch



## INTRODUCTION

Use this guide to remove the motherboard in the Motorola Moto E4 Plus (XT1771).

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.

## TOOLS:

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

## Step 1 — Remove the back cover



*(i)* 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



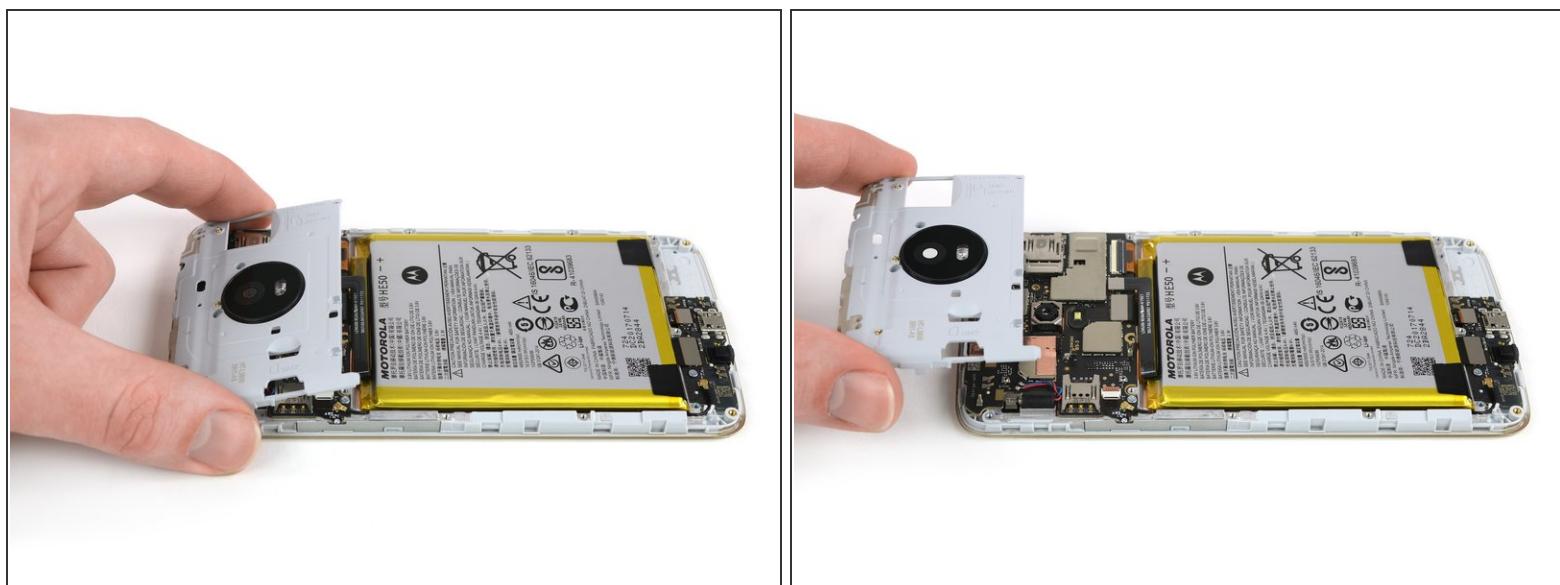
- Insert an opening pick underneath the bottom left corner of the motherboard cover.
- Slide the opening pick between the cover and the second SIM tray to release the plastic clip.

## Step 7



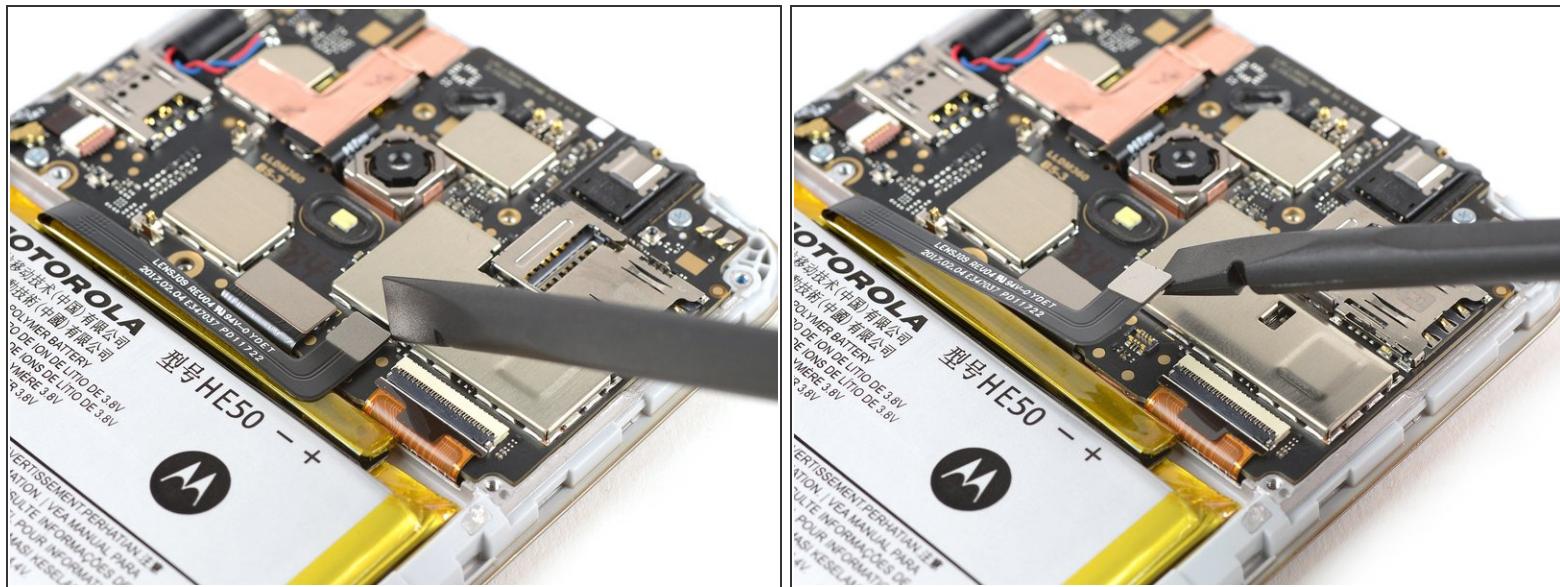
- Insert an opening pick underneath the bottom right corner of the motherboard cover.
- Use the opening pick to pry up the motherboard cover.

## Step 8



- Remove the motherboard cover.

## Step 9 — Battery Disconnect



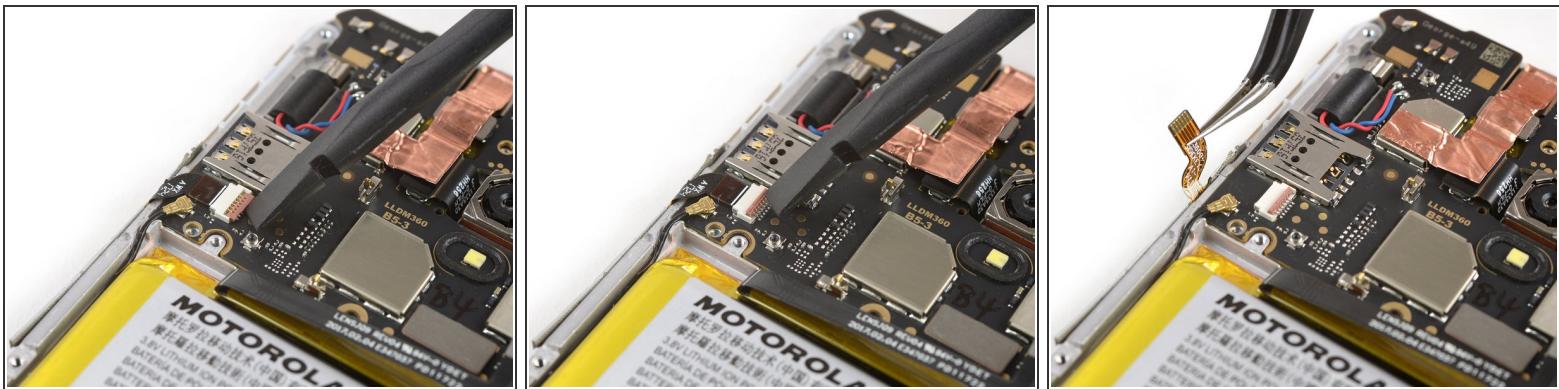
- Use the edge of a spudger to pry up and disconnect the battery flex cable from the motherboard.

## Step 10 — Motherboard Assembly



- Remove the two 2.9 mm Phillips screws.

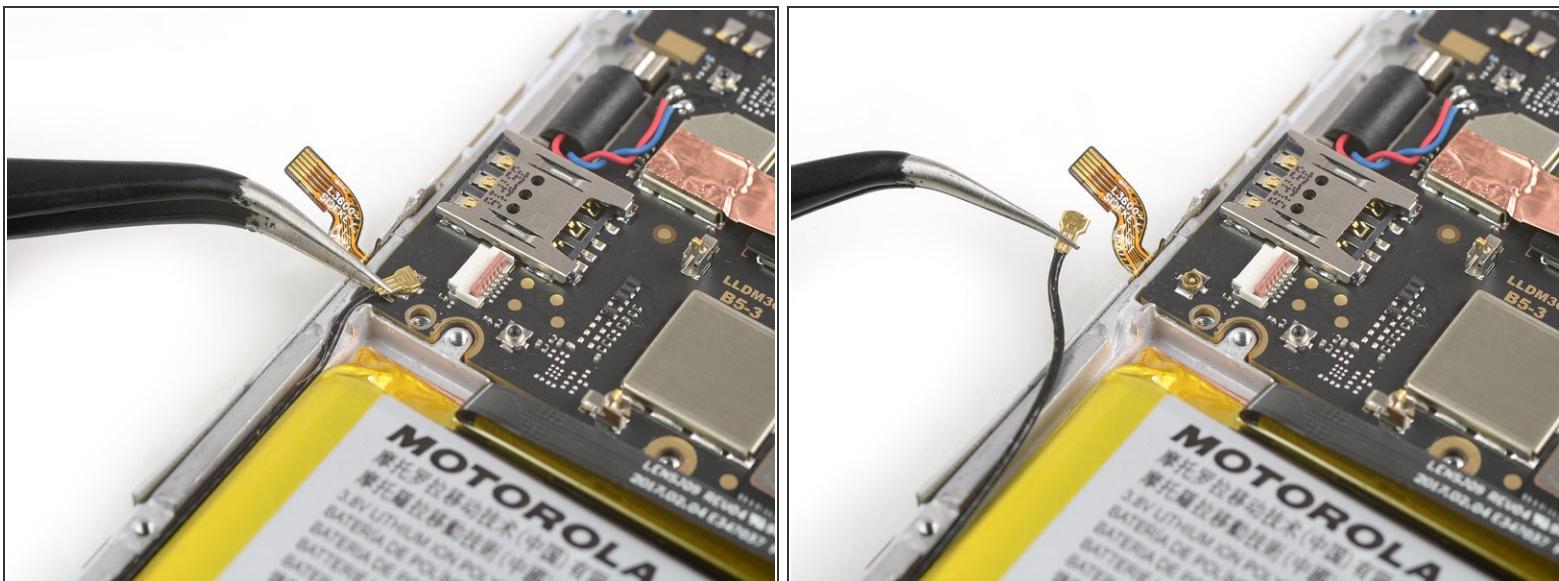
## Step 11



- 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.

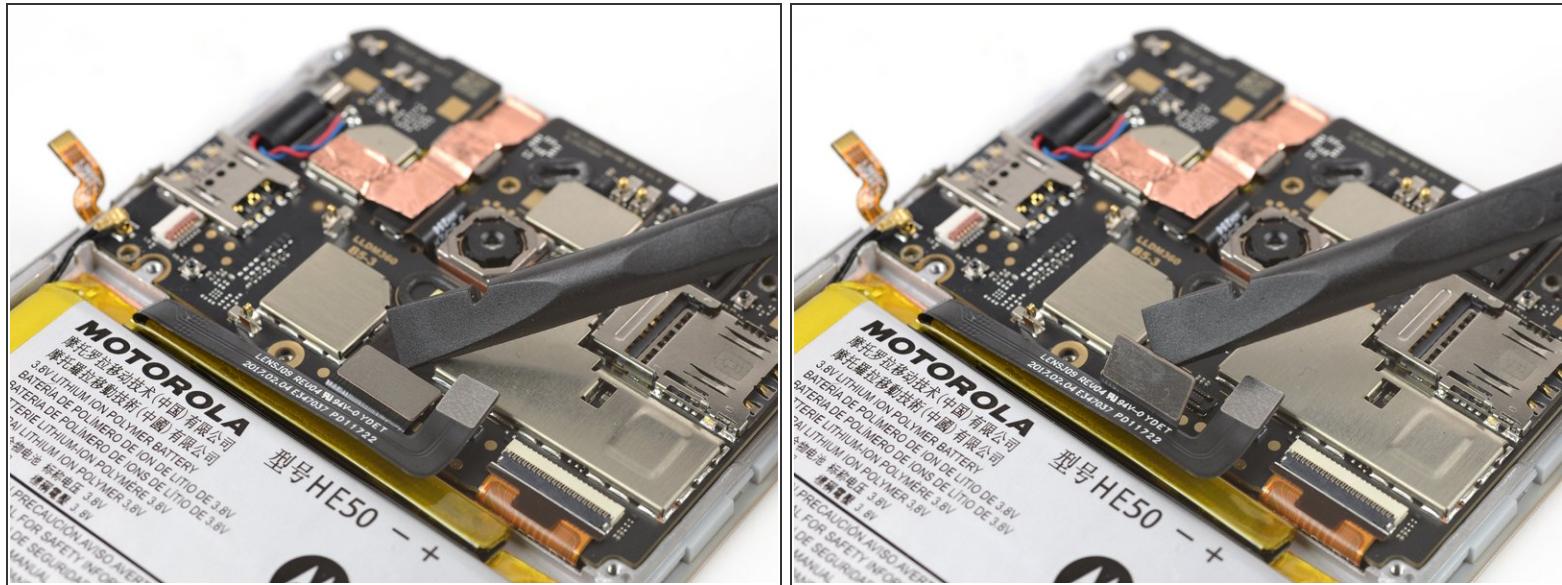
 To reattach [ZIF connectors](#) like this one, carefully insert the flex cable into the ZIF connector up to the marked line on the cable, and then close the locking flap.

## Step 12



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

## Step 13



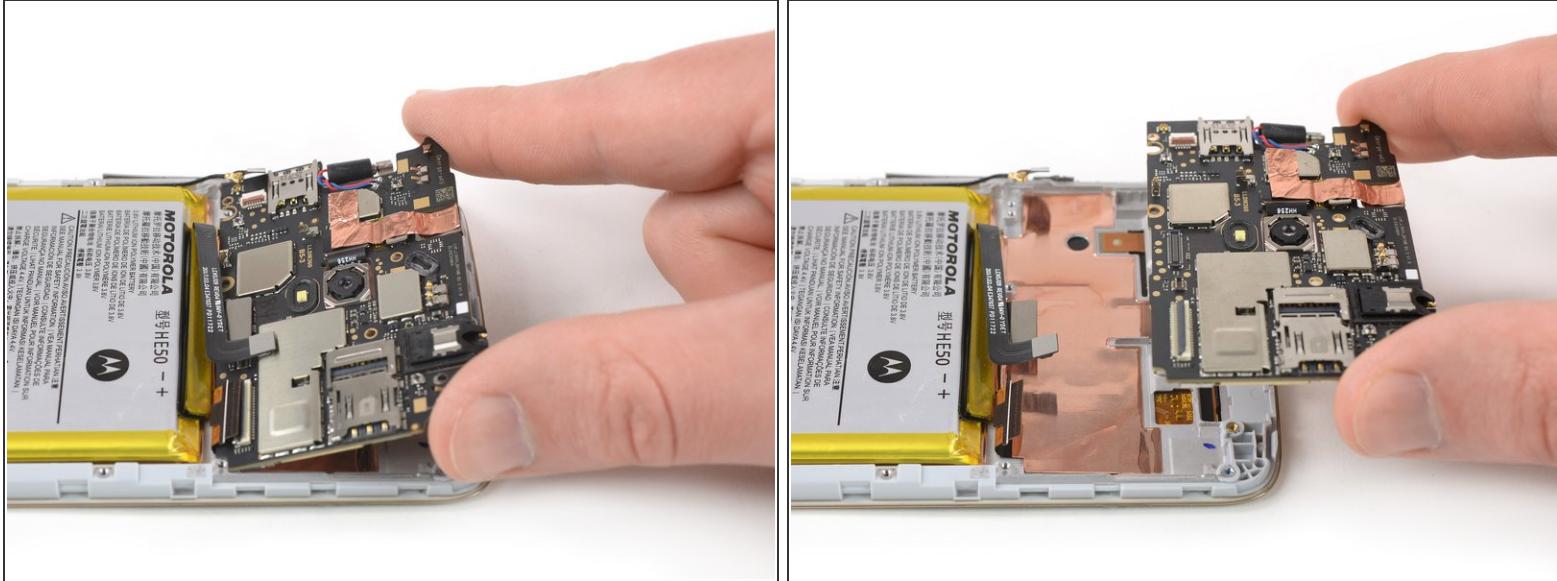
- Use the flat end of a spudger to pry up and disconnect the interconnect flex cable.

## Step 14



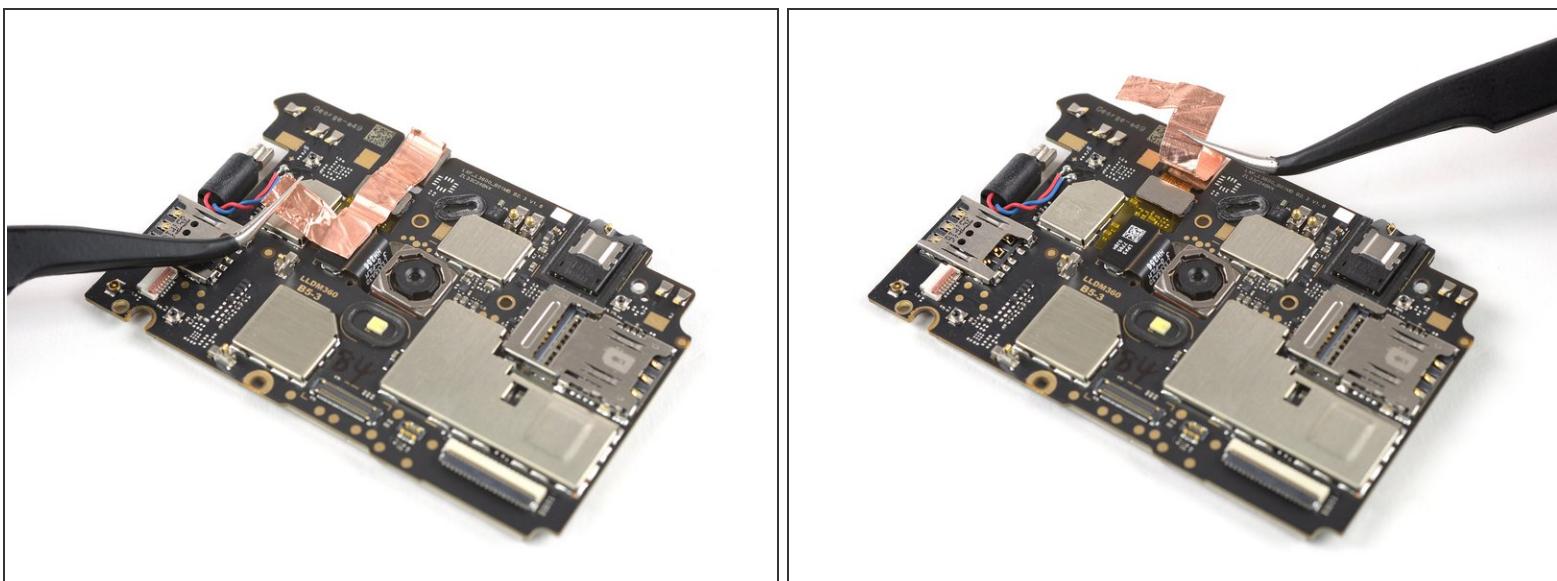
- Use the tip of a spudger or an opening pick to pry up the flap of the ZIF connector, located in the bottom right corner of the motherboard.
- Use a pair of tweezers to pull the display flex cable out of the ZIF connector.

## Step 15



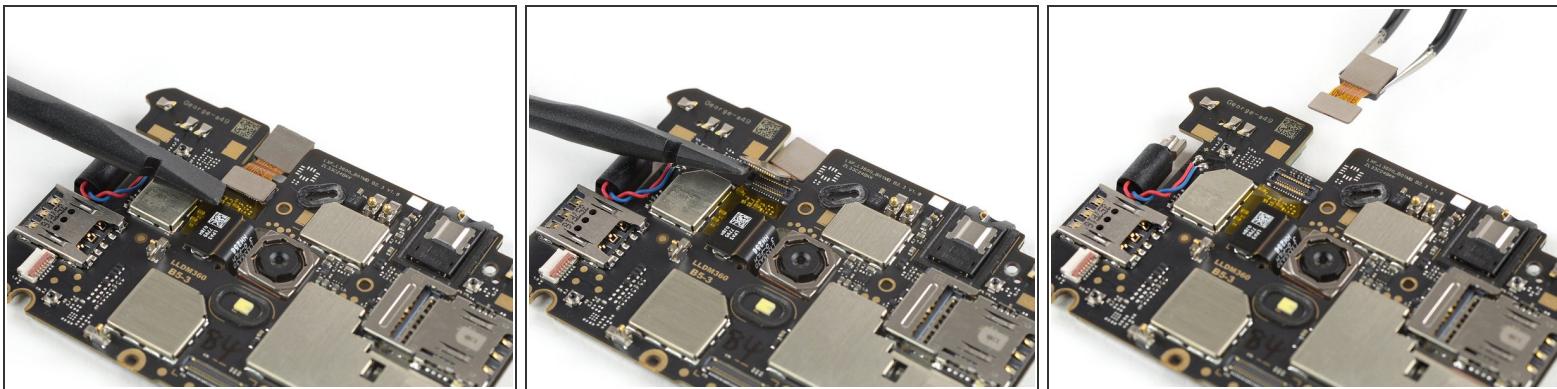
- Grasp the motherboard by the top corners and remove it by lifting up and pulling it carefully out of its recess.

## Step 16 — Motherboard



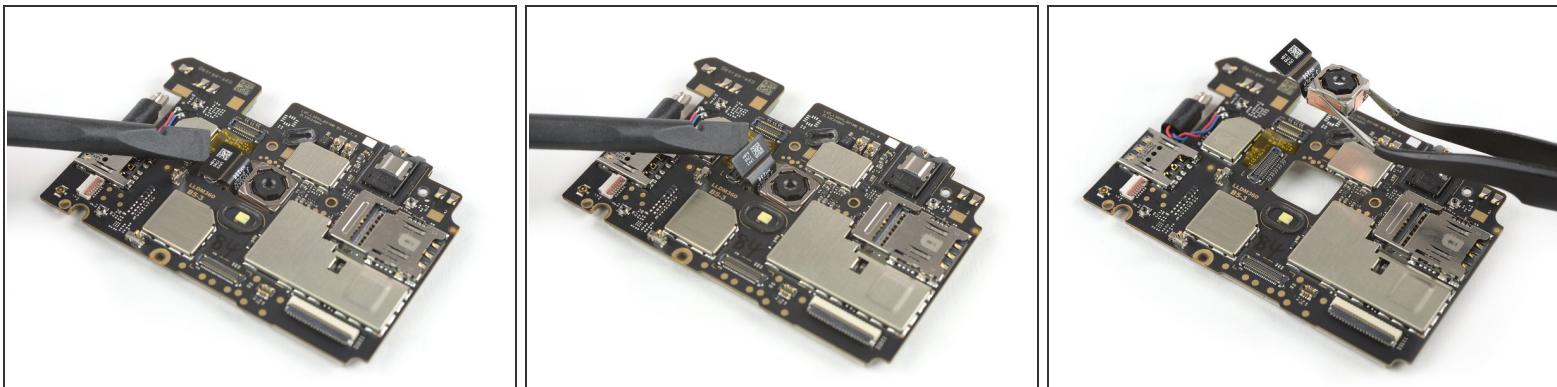
- Follow the remaining steps if you need to transfer the cameras from the old motherboard to the new replacement.
- Use a pair of tweezers to peel the copper tape off of the two camera connectors.

## Step 17



- Use the flat end of a spudger to pry up and disconnect the front facing camera flex cable.
- Remove the front facing camera with a pair of tweezers.

## Step 18



- Use the flat end of a spudger to pry up and disconnect the rear facing camera flex cable.
- Remove the rear facing camera with a pair of tweezers.

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