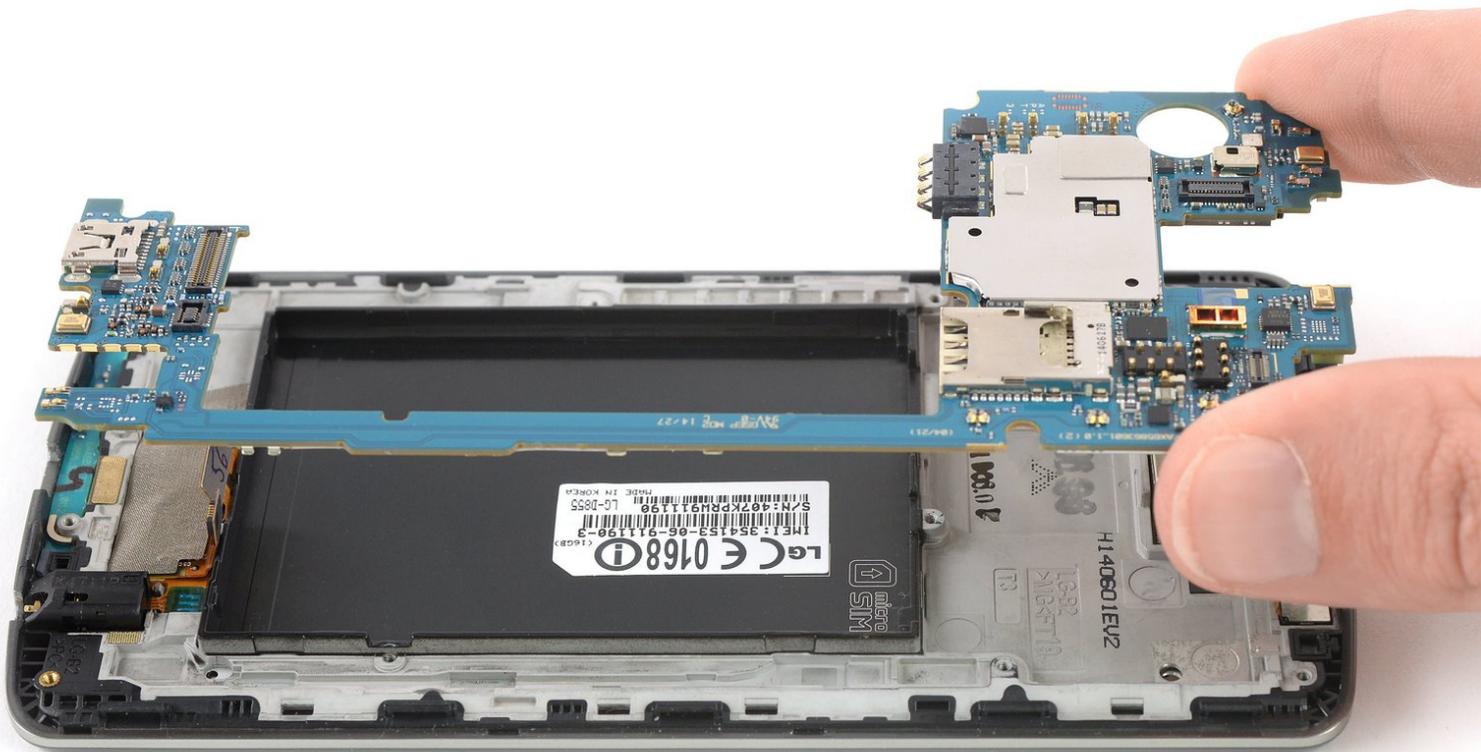




# LG G3 Motherboard Replacement

This guide shows how to replace or remove the motherboard in the LG G3 (D855).

Written By: Dominik Schnabelrauch



## INTRODUCTION

Use this guide to replace or remove the motherboard in the LG G3 (D855).



### TOOLS:

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



### PARTS:

- [LG G3 Motherboard \(Verizon\)](#) (1)
- [LG G3 Motherboard \(AT T\)](#) (1)
- [LG G3 Motherboard \(T-Mobile\)](#) (1)

## Step 1 — Back Cover



**i** Power off your phone before beginning disassembly.

- Insert a thumbnail, or a prying tool like a spudger, into the notch at the bottom left of the back cover.
- Pry the back cover up to separate its plastic clips.

## Step 2



- Lift the back cover to release the rest of the plastic clips and remove it.
- ⓘ In case you can't lift the back cover completely, slide your fingernail or your prying tool around the midframe to release the remaining clips.
- 🔧 To reinstall the back cover, press it firmly into place until you hear a snap from the plastic clips to form a seamless connection with the rear side of the phone.

### Step 3 — Battery



- Use a fingernail or a prying tool at the marked notch to lever the battery out of its recess.

### Step 4



- Lift the battery out of its recess and remove it.

## Step 5 — Loudspeaker



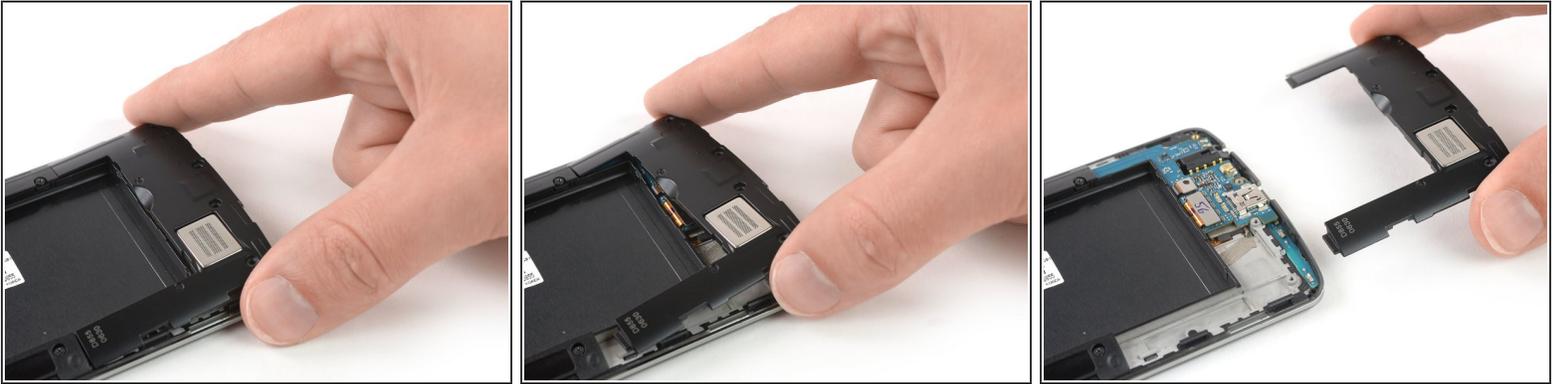
- Remove the four Phillips #00 screws (4 mm length).

## Step 6



- Insert a thumbnail, or a prying tool like a spudger, into the notch at the bottom left of the back cover you used earlier to remove the back cover.
- Pry up the plastic panel, including the loudspeaker, until you can get a good grip.

## Step 7



- Carefully remove the plastic panel including the loudspeaker by gently pulling it away from the phone assembly.

## Step 8 — Motherboard Cover Assembly



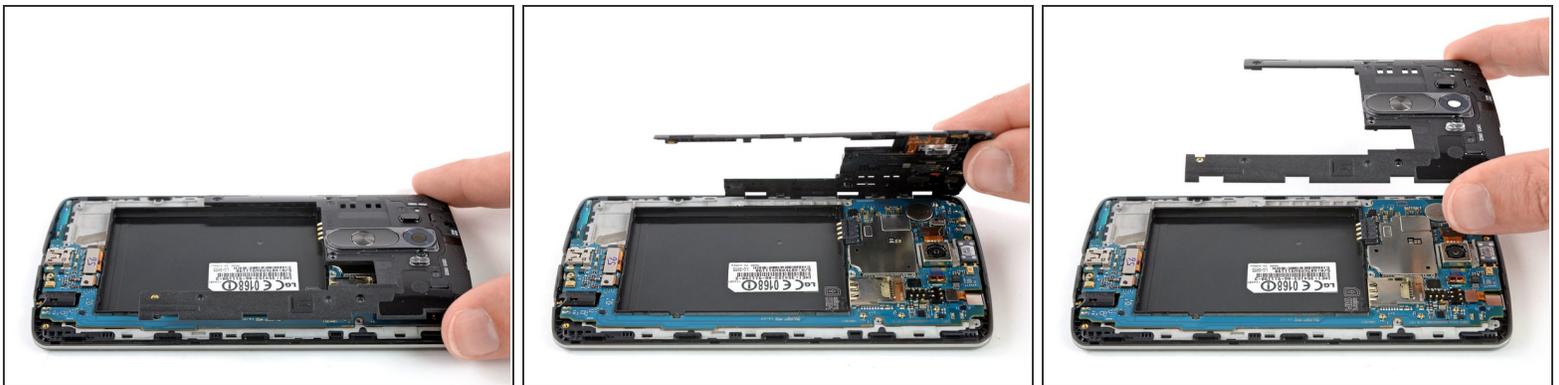
- Remove the eight Phillips #00 screws (4 mm length).

## Step 9



- Insert an opening pick between the bottom right corner of the motherboard cover and the motherboard.
- Pry up the motherboard cover to open the plastic clips which hold the cover in its place.
  - ⓘ The clips can be a bit resistive. If you're having trouble prying up the motherboard cover, slightly rotate the opening pick sideways to make the process easier.
- Work your way along the right edge.

## Step 10



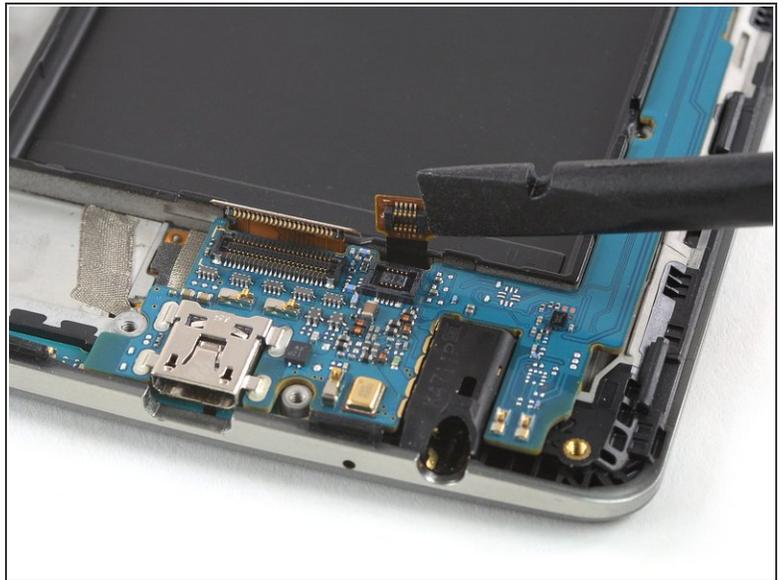
- Carefully lift the right edge of the motherboard cover.
  - ⓘ The remaining plastic clips should open during this process or can be unhinged easily by hand.
- Remove the motherboard assembly.

## Step 11 — Motherboard



- Use a spudger to pry up and disconnect the display flex cable.

## Step 12



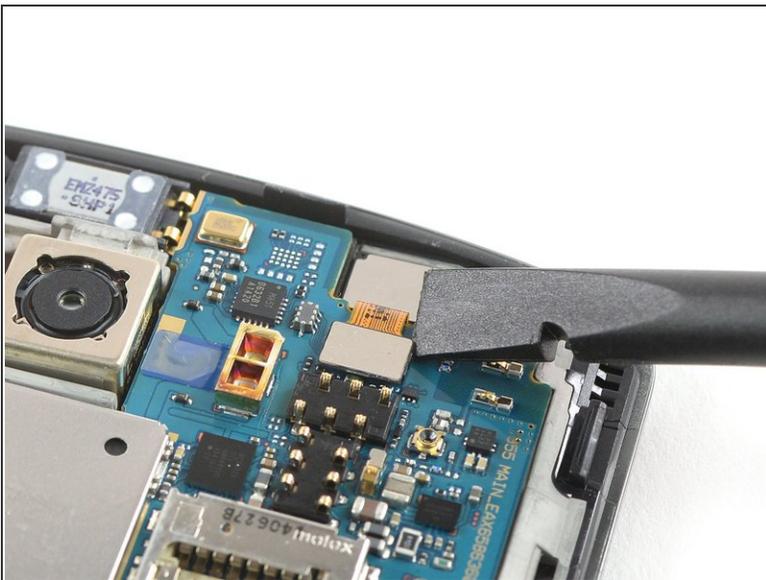
- Use a spudger to pry up and disconnect the digitizer flex cable.

## Step 13



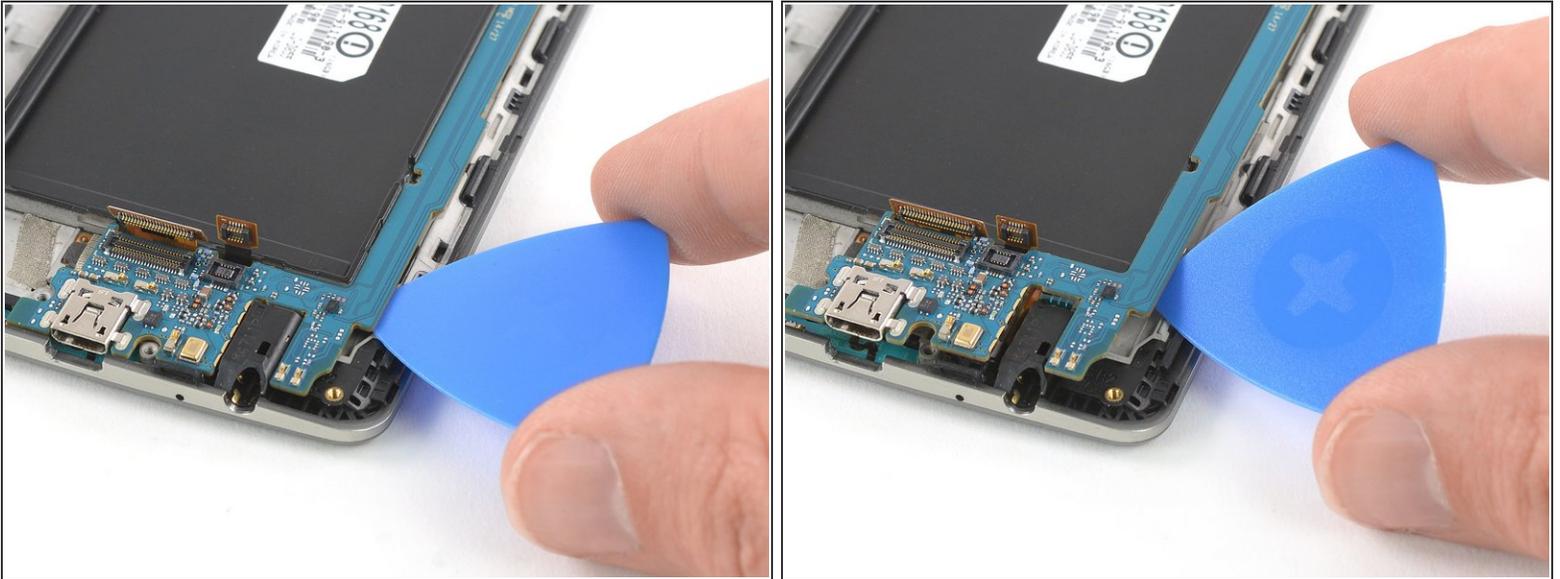
- Use a spudger to pry up and disconnect the rear camera flex cable.

## Step 14



- Use a spudger to pry up and disconnect the front camera flex cable.

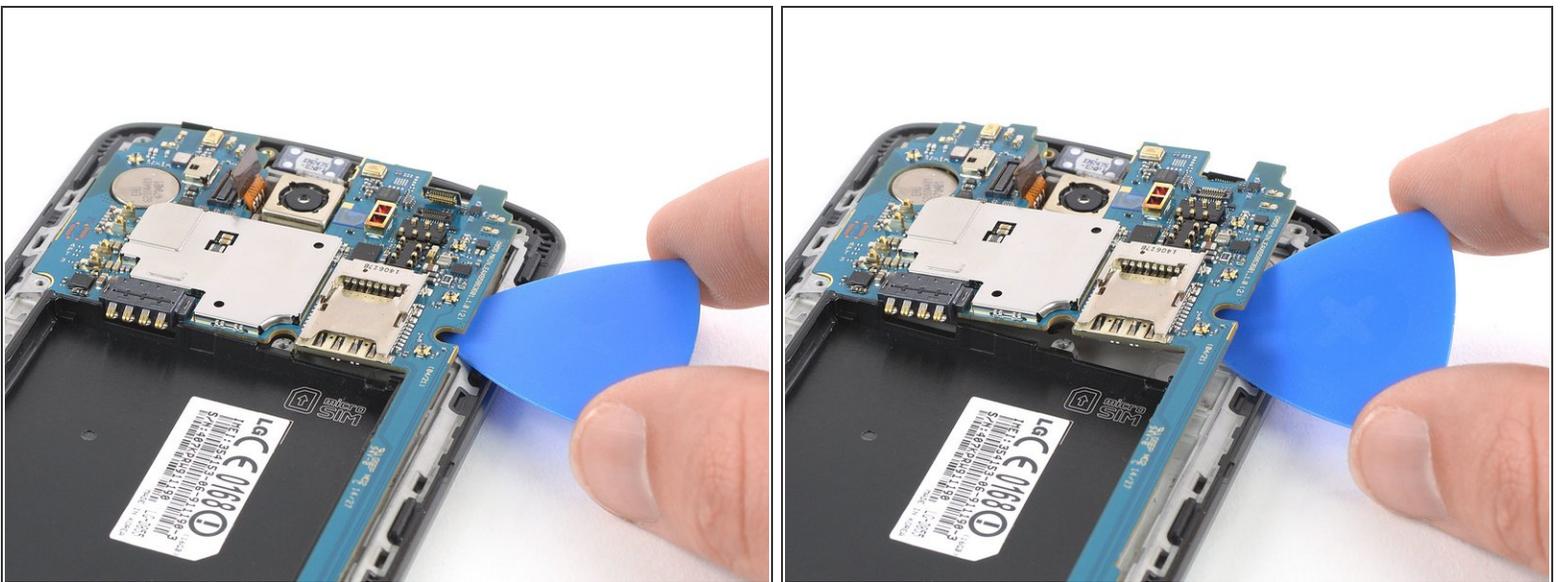
## Step 15



**⚠** During these next few steps, make sure to avoid damaging the flex cables you disconnected.

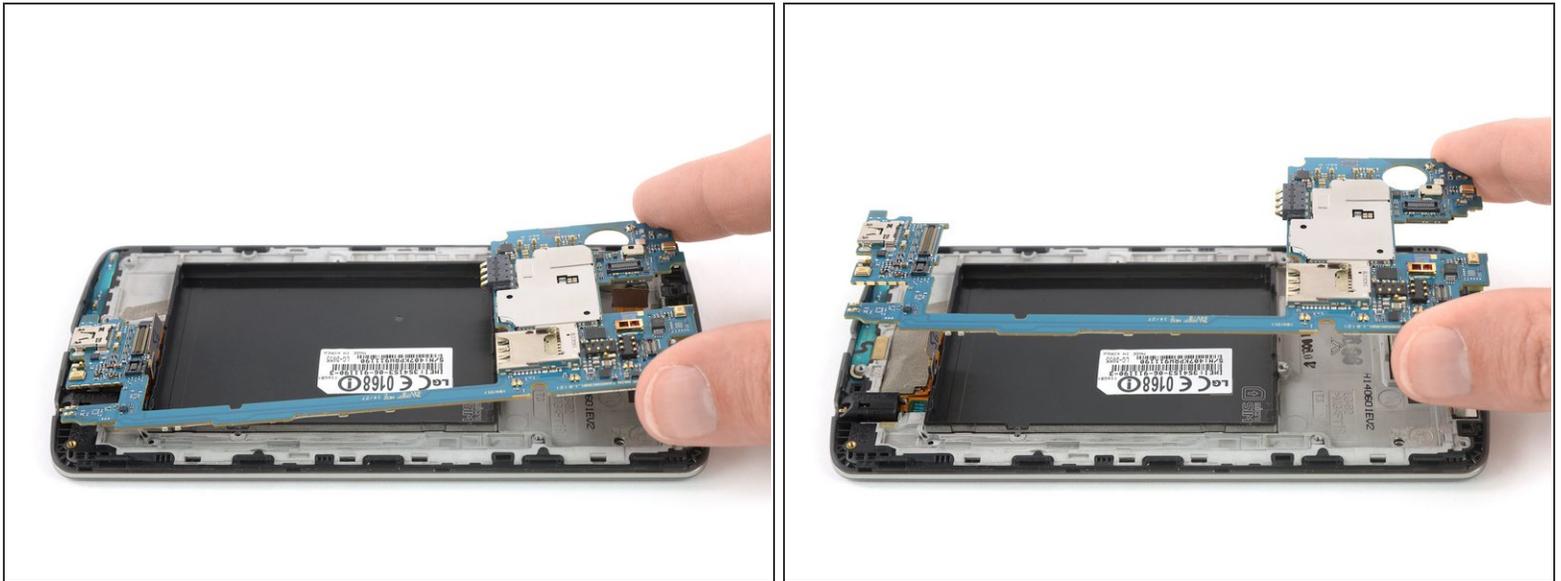
- Slide an opening pick under the bottom right corner of the motherboard and slowly pry it out of its recess by rotating the opening pick sideways.

## Step 16



- Slide the opening pick under the right edge of the motherboard where the SIM card slot is located and pry it up by rotating the opening pick sideways.

## Step 17



- Grab the top section of the motherboard and carefully lift it out of the phone.

If possible, turn on your device and test your repair before installing new adhesive and resealing.

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

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers Community](#) for help.