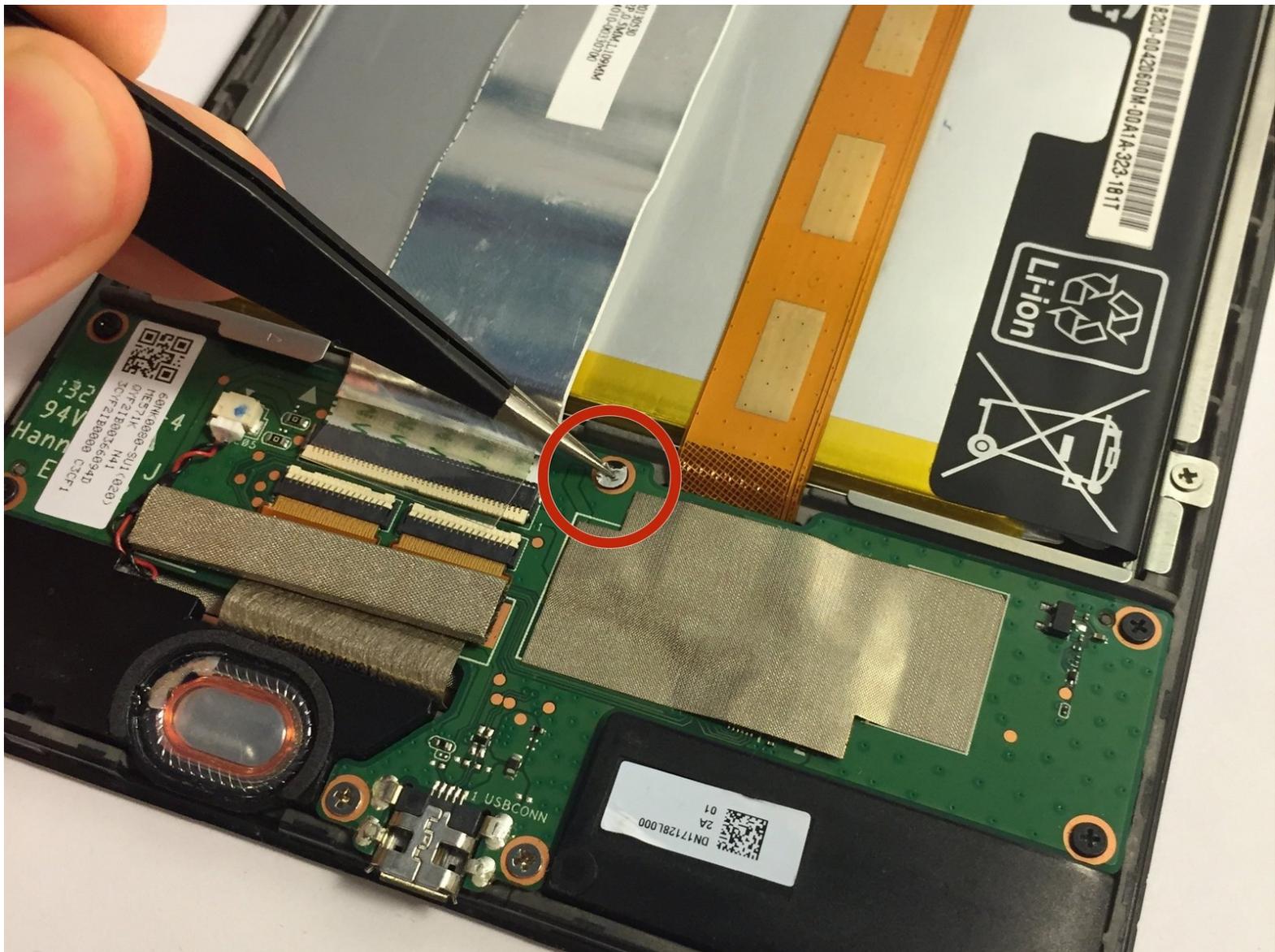




Nexus 7 2nd Generation Micro USB/Daughterboard Replacement

This guide is for the removal of the...

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INTRODUCTION

This guide is for the removal of the daughterboard. The daughterboard contains the Micro USB port.

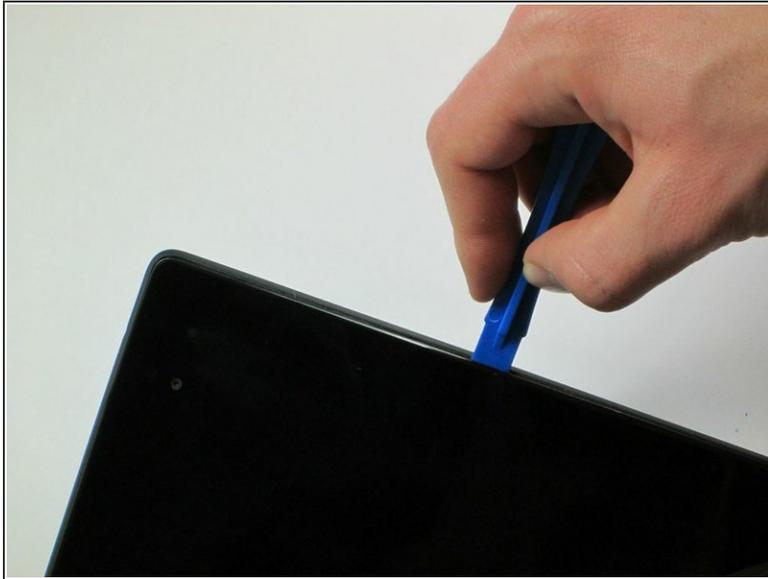
TOOLS:

- [Tweezers](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)

PARTS:

- [Nexus 7 \(2nd Gen\) Rear Case](#) (1)
- [Nexus 7 \(2nd Gen\) Battery](#) (1)
- [Nexus 7 \(Wi-Fi 2nd Gen\) LCD Board](#) (1)
- [Nexus 7 \(2nd Gen LTE\) Charging Assembly](#) (1)

Step 1 — Back Cover



- Power down your device.
- Use your plastic opening tool to wedge between the seams around the sides of the device. Pry open each side, one at a time. For some a finger nail may be best. The case comes up quite high to the glass.

⚠ Do not pry near the USB port at the base of the device as you may crack the rear panel.

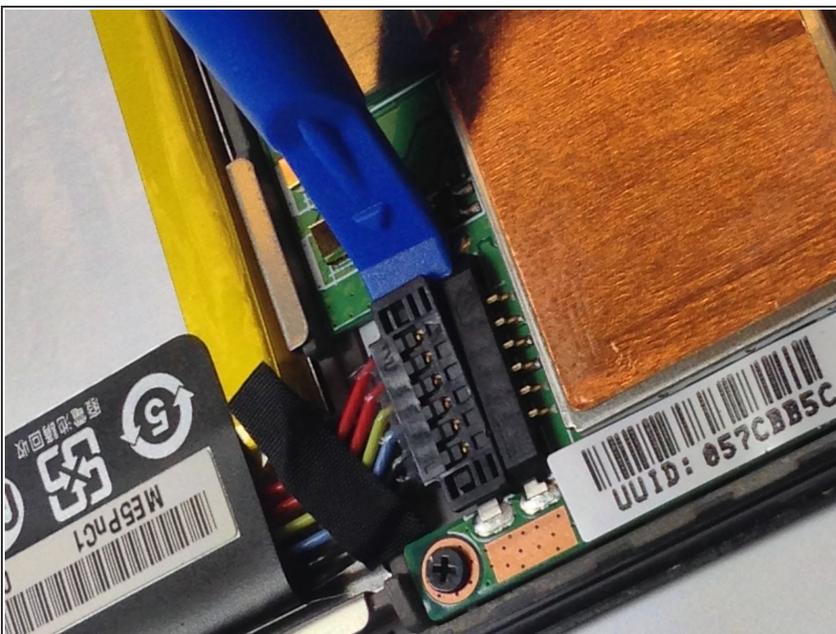
Step 2



- Work fingers around the seam between device and back cover. Use your plastic opening tool and fingers to separate each side until device and back cover are completely apart.

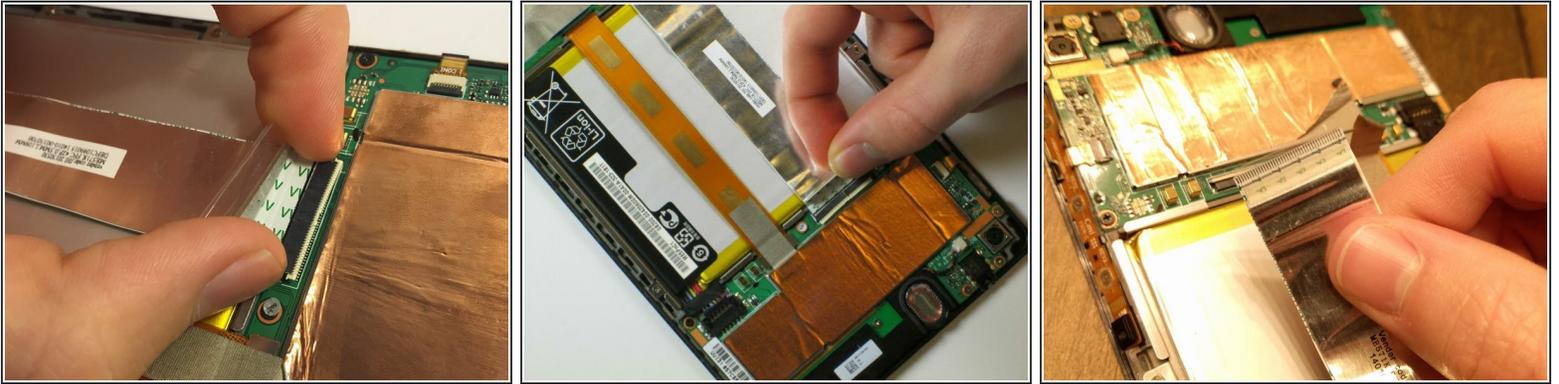
⚠ Be careful around the corners. The body of the device can be fragile.

Step 3 — Battery



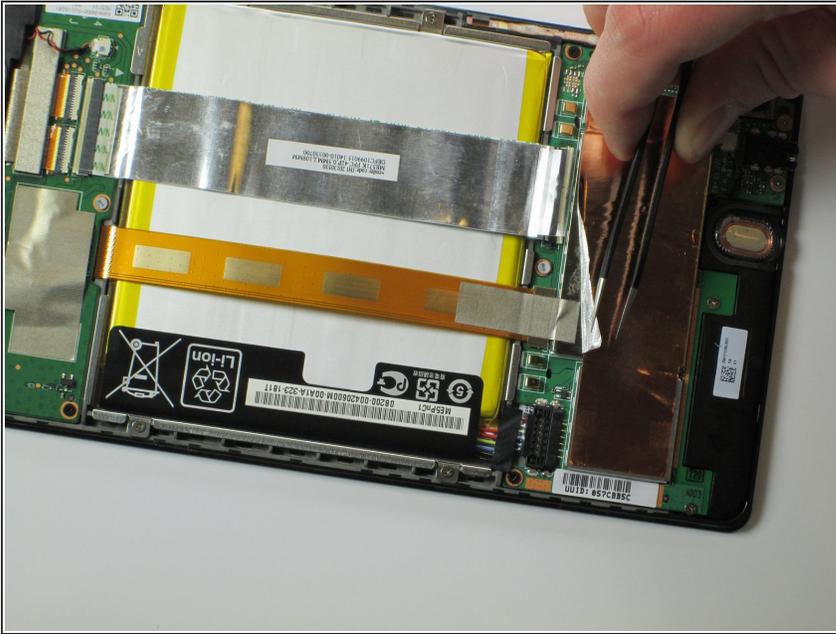
- Insert the plastic opening tool under the side edge of the battery connector, and gently pry upward to disconnect it.

Step 4



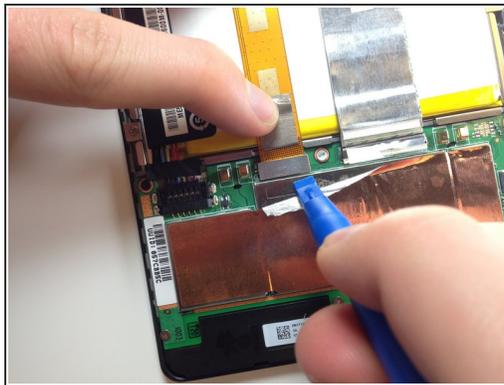
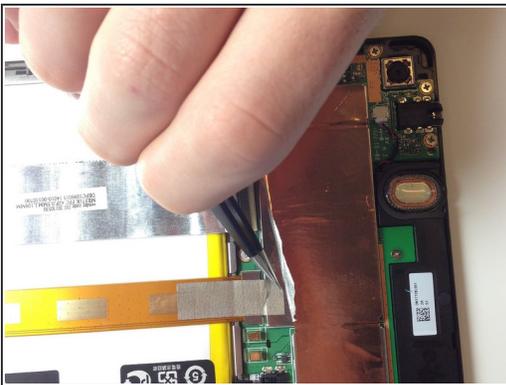
- Use the flat end of a spudger or your fingernail to flip up the clear protective flap on the ribbon cable ZIF socket.
- Using the flat end of a spudger or your fingernail, flip up the thin portion of the connector (**the white part**, opposite of the side where the cable inserts) to release the cable from its socket.
 - ⚠ **DO NOT PRY** the socket on the side where the cable inserts, or you may break the entire socket off the motherboard.
- Slide the cable out of the ZIF socket.
- ① For more info on how to disconnect ZIF connectors, check out the [Recognizing & Disconnecting Cable Connectors guide](#).

Step 5



- Peel protective foil cover back top of mother board to expose orange ribbon connection.
- ⓘ The ribbon connections should now be fully visible, with the plastic tabs exposed.

Step 6



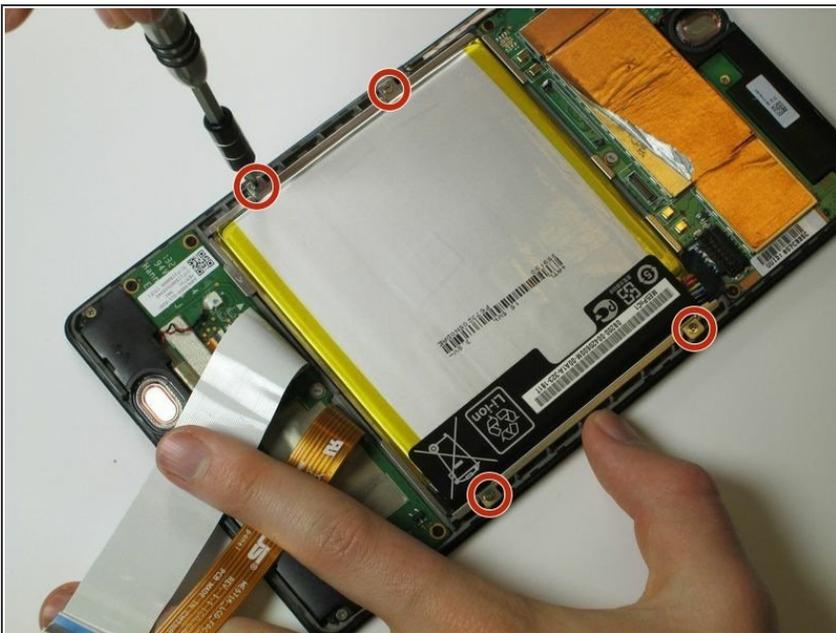
- Using the tweezers, peel back the silver protective foil on top of the orange ribbon connector.
- Using the plastic opening tool, pry upward under the orange ribbon connector. It will pop right out of place.

Step 7



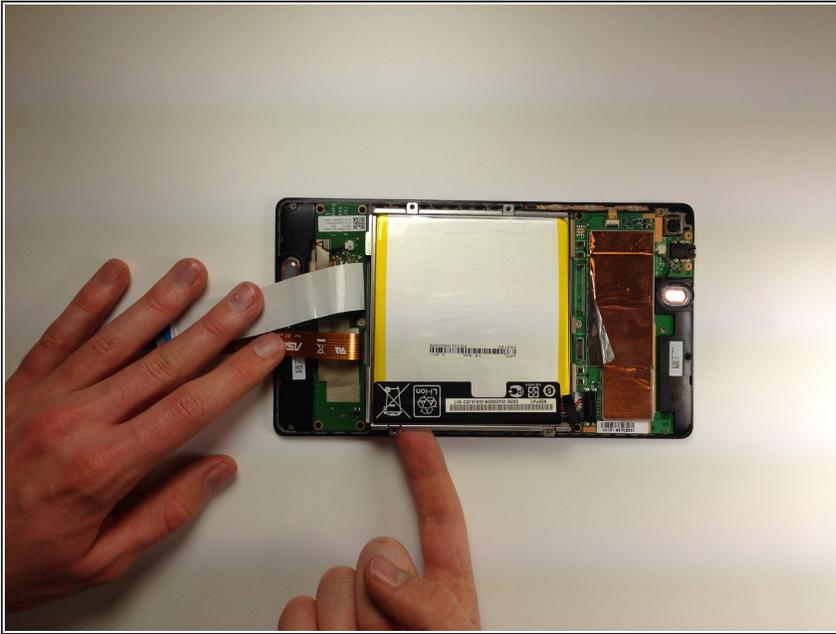
- Now that the two main ribbons are disconnected, fold and hold them back with your fingers, or place the tweezers or a light object on the ribbons to keep them in place.

Step 8



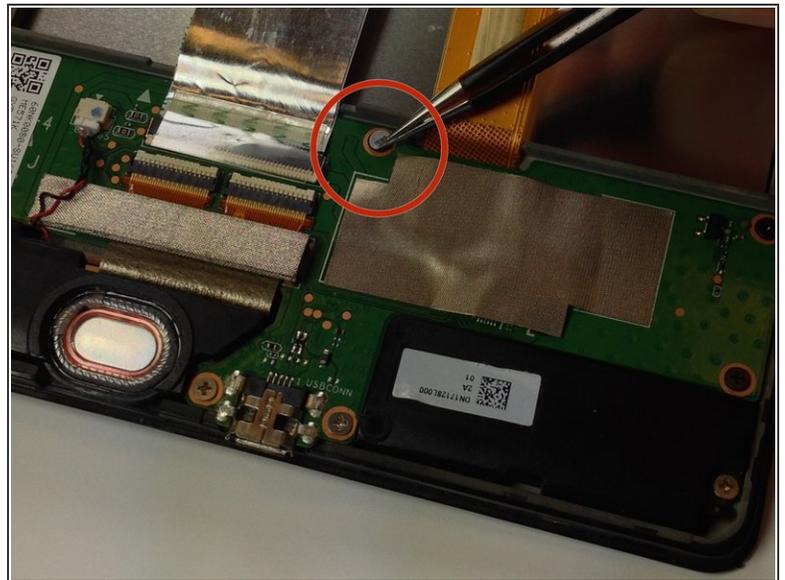
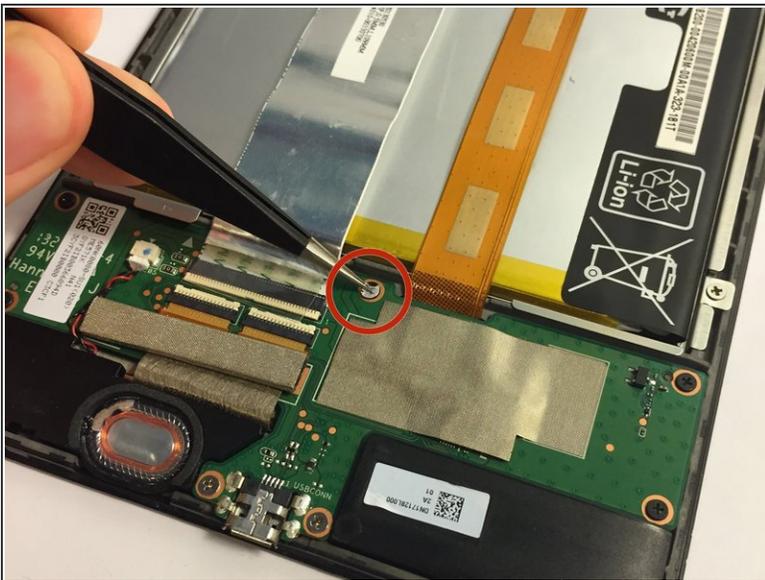
- Use the #0 Phillips Screwdriver to remove the four silver 3 mm Phillips #0 screws from around the battery housing.

Step 9



- Remove the battery from your device by applying pressure at the base of the battery and lifting it out.

Step 10 — Micro USB/Daughterboard



- Remove the gray seal covering the top center screw on the daughterboard.

⚠ Be aware that this action will void your warranty.

i Be sure to store the seal in a place where it will not get dirty and can retain its stickiness.

Step 11



- Using the Phillips #0 screwdriver, unscrew the 5 black 2 mm sized screws from around the edge of the daughterboard.
- Use the same Phillips #0 screwdriver to remove the two silver 3 mm sized screws from either side of the micro USB.

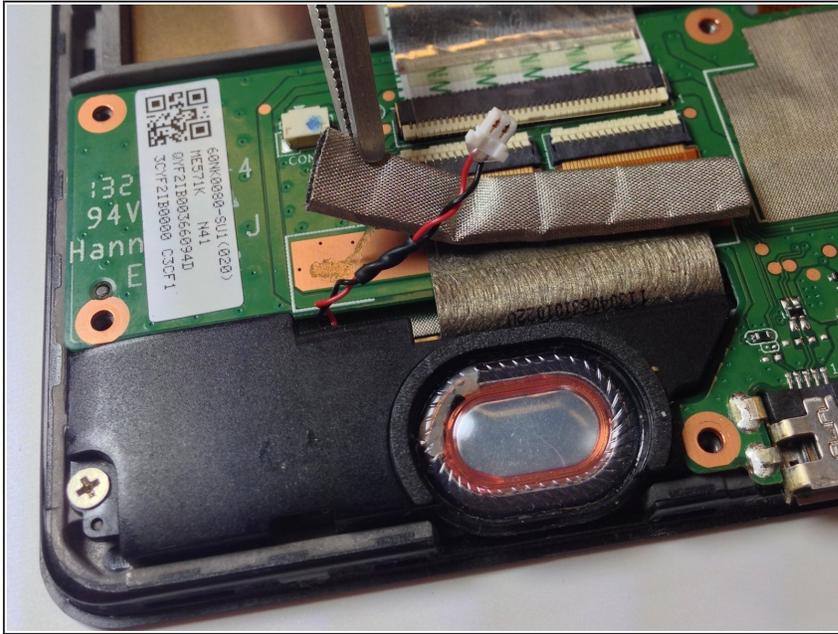
Step 12



- Use the tweezers to unplug the speaker connector from the daughterboard by pulling sideways.

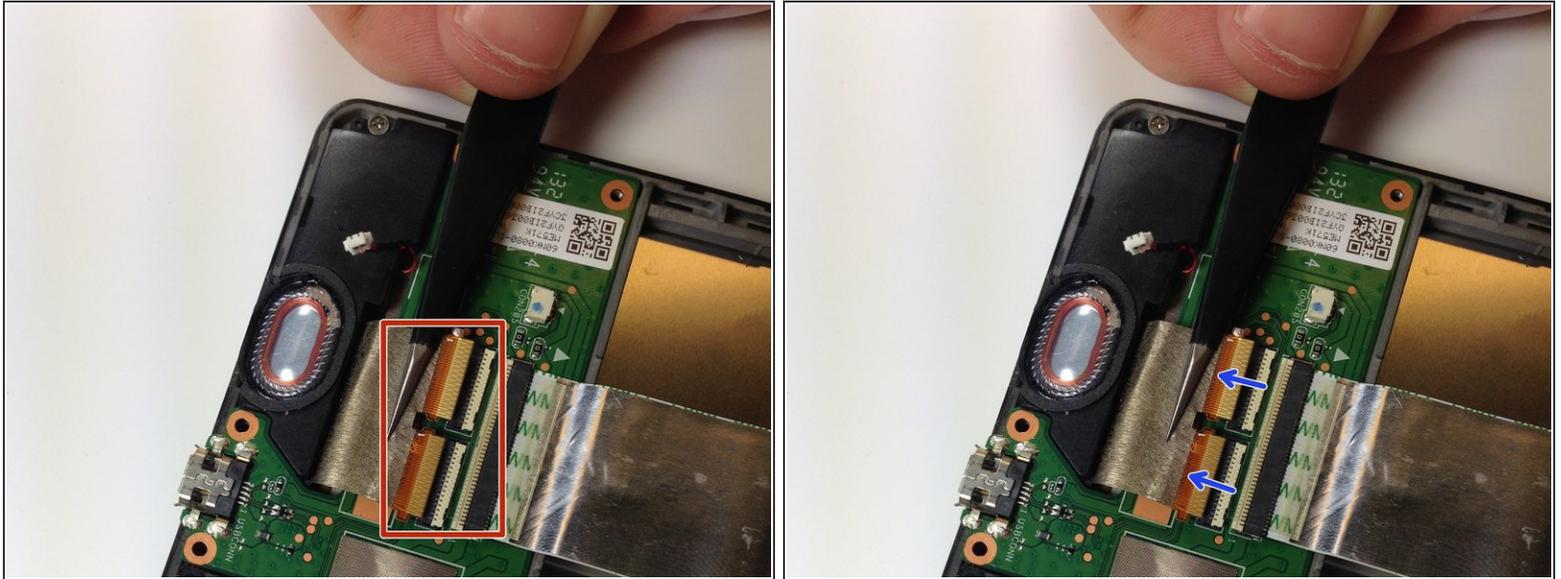
⚠ Be gentle in this step as this connector can be fragile. Do not pull upwards.

Step 13



- Slowly peel off the EMI gasket over the ribbon cable assembly. This will expose the ribbon cable which can be removed from the connectors.

Step 14



- Use the flat end of a spudger or your fingernail to carefully flip up both retaining flaps one each of the ZIF sockets.

ⓘ When disconnecting the ZIF sockets flip them outwards to the edge of the board/towards the cables respectively.

⚠ Be careful not to damage the pin connector. Pull parallel to the device, not up.

ⓘ For more info on how to disconnect ZIF connectors, check out the [Recognizing & Disconnecting Cable Connectors guide](#).

Step 15



- The daughterboard will now lift easily up and out of the device.

⚠ Use care during reassembly. This daughter board is a very sensitive part. It is easy to fry the digitizer part of this board if connections are made in the wrong order. Complete all other cable connections **before** connecting battery power.

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