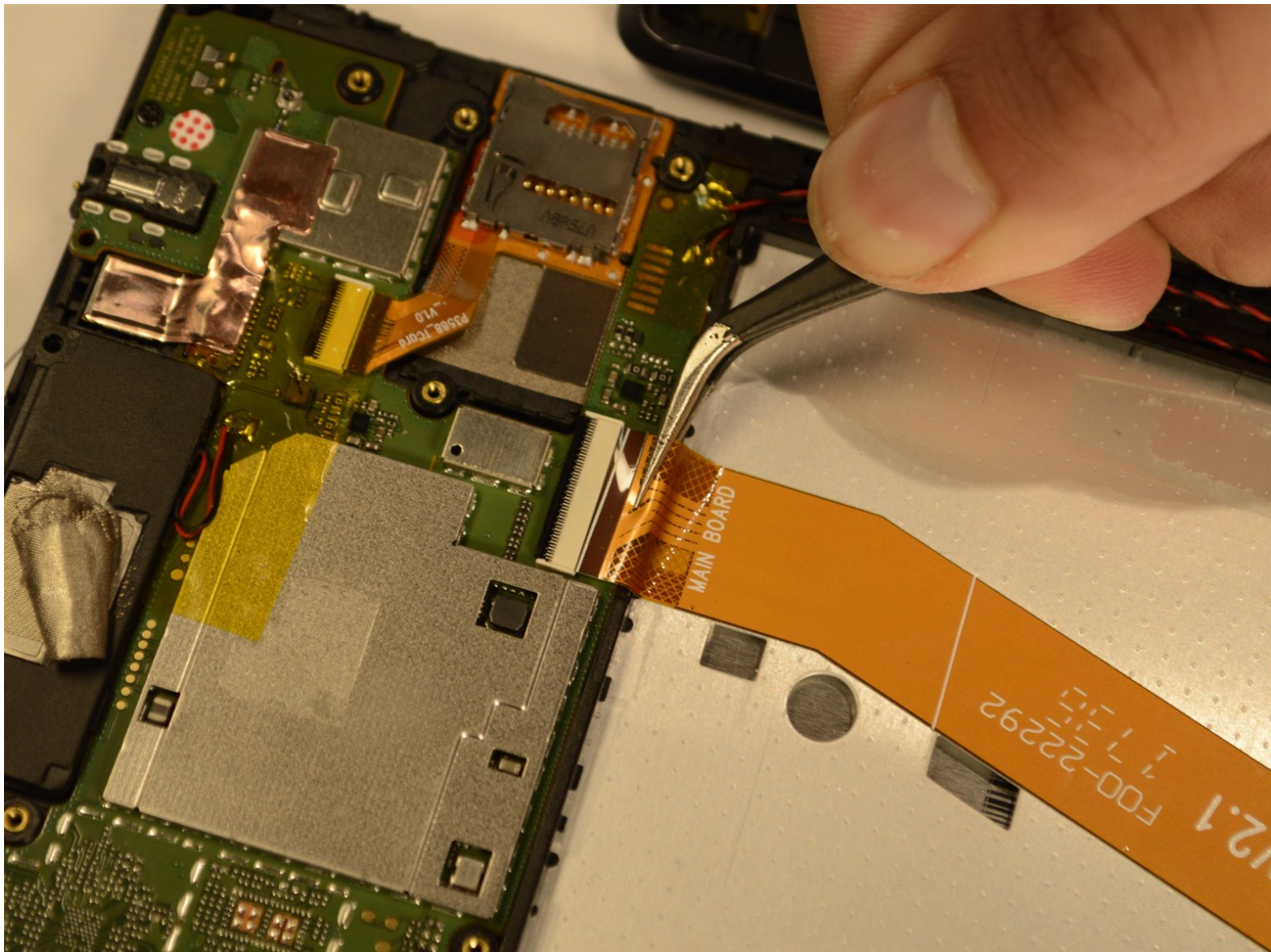




# Lenovo Tab 4 TB-8504F Motherboard Replacement

From this guide, you will learn how to replace the motherboard from the Lenovo Tab 4 8.

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## TOOLS:

- [Phillips #000 Screwdriver](#) (1)
  - [Spudger](#) (1)
  - [iFixit Opening Picks set of 6](#) (1)
  - [Tweezers](#) (1)
  - [Soldering Iron](#) (1)
  - [Solder](#) (1)
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## Step 1 — Battery



- Start at the microSD slot.
- Use the opening pick to slide underneath the back cover of the tablet.
- Slide the opening pick around the tablet until the back cover is off.

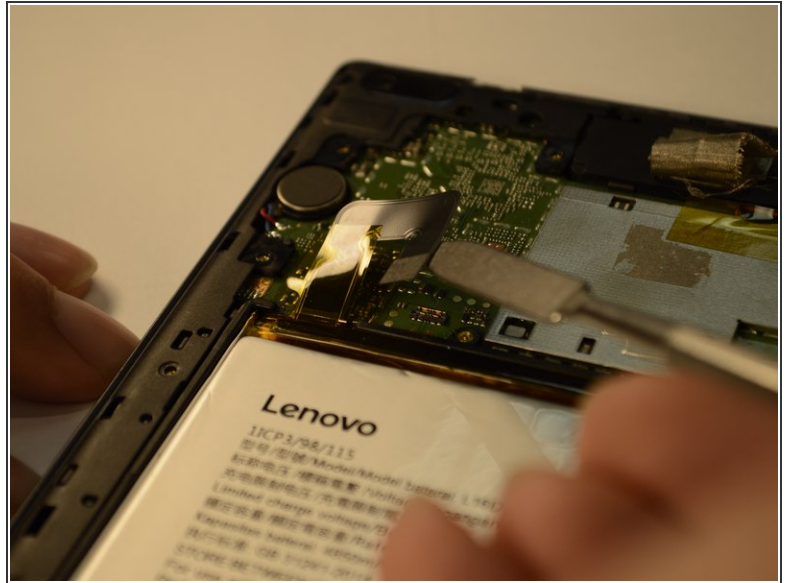
## Step 2



- Remove the 8 screws with a Phillips #000 screwdriver [bit].
  - There is a screw under the blue "s" sticker.
- Remove tape holding plate down.
- Use precision tweezers or your fingers to remove plate.

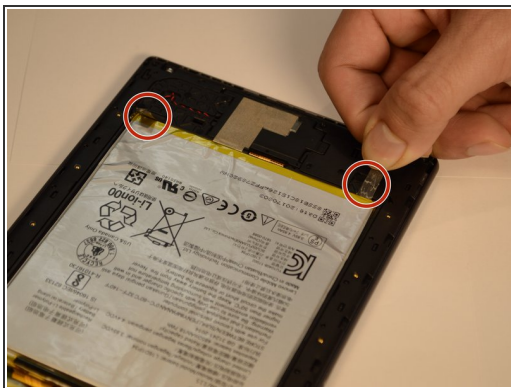


### Step 3



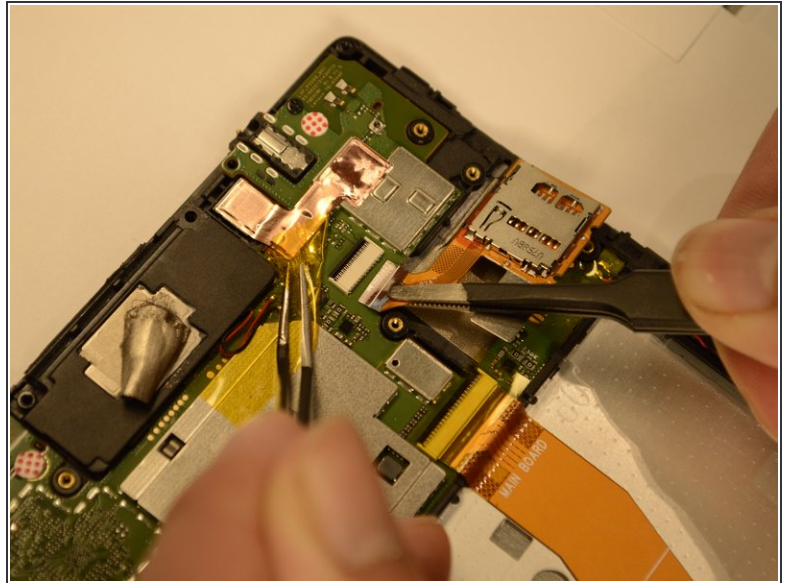
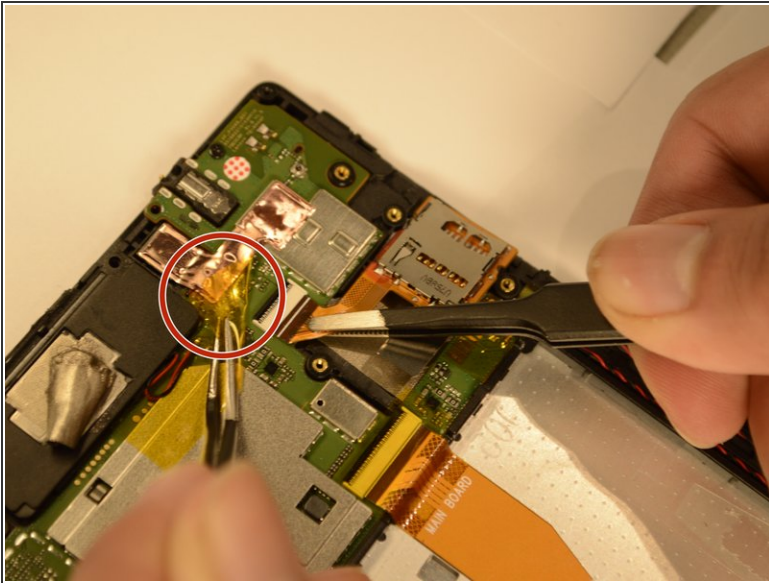
- Remove yellow tape.
- Use a spudger or plastic opening tool to remove the battery's ribbon cable from the motherboard.

### Step 4



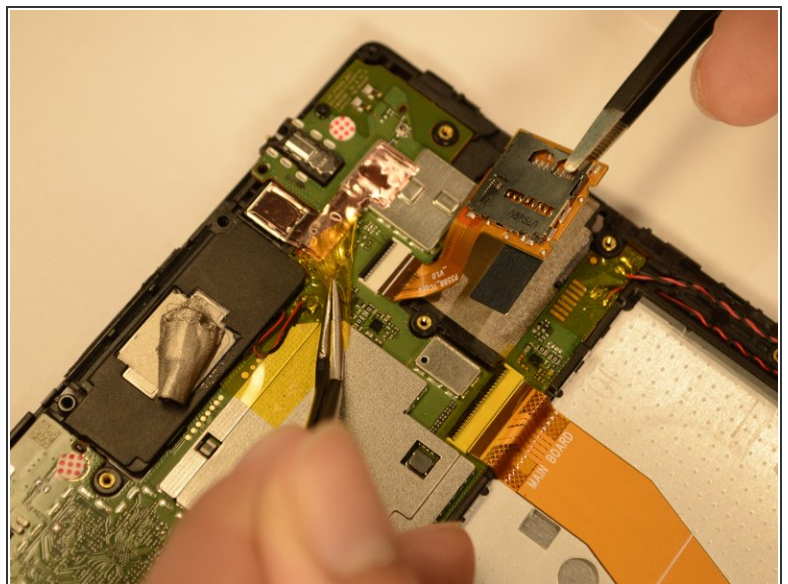
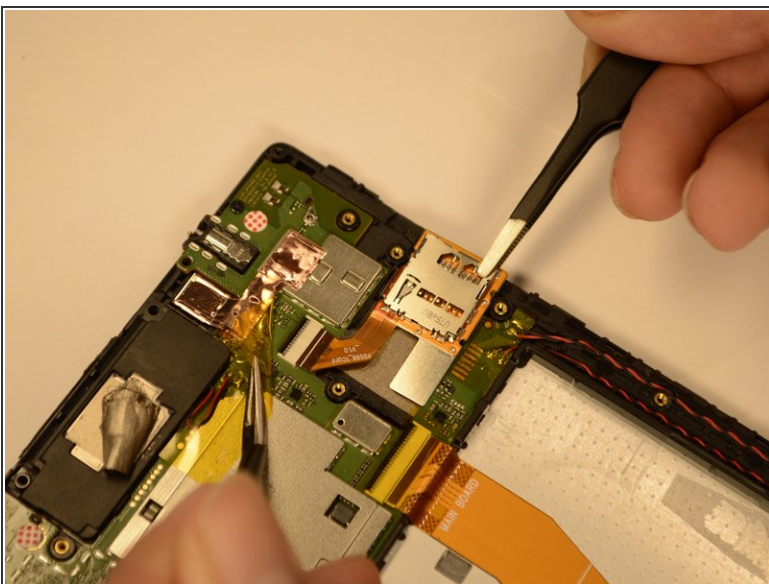
- Gently pull on the two stretch release adhesive strips. Do not pull up, pull away from battery.
  - Once the tabs are off, lift the battery up from the frame.
- ⚠ Do not bend or puncture the battery.

## Step 5 — microSD Card Reader



- There is a yellow tape holding the microSD card reader connector. Use tweezers to hold down the tape.
- Gently lift the tab on the microSD card reader's ZIF connector, and gently pull the ribbon cable free.

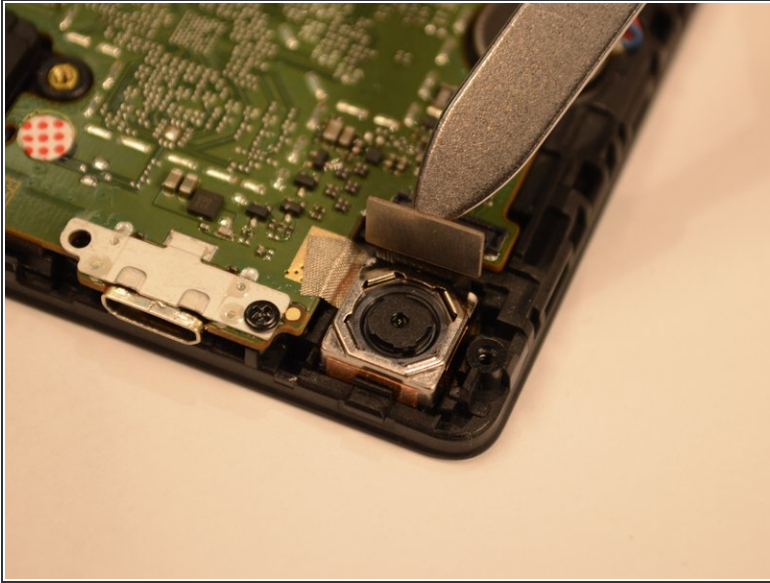
## Step 6



- Lift the microSD card reader with tweezers or your fingers.

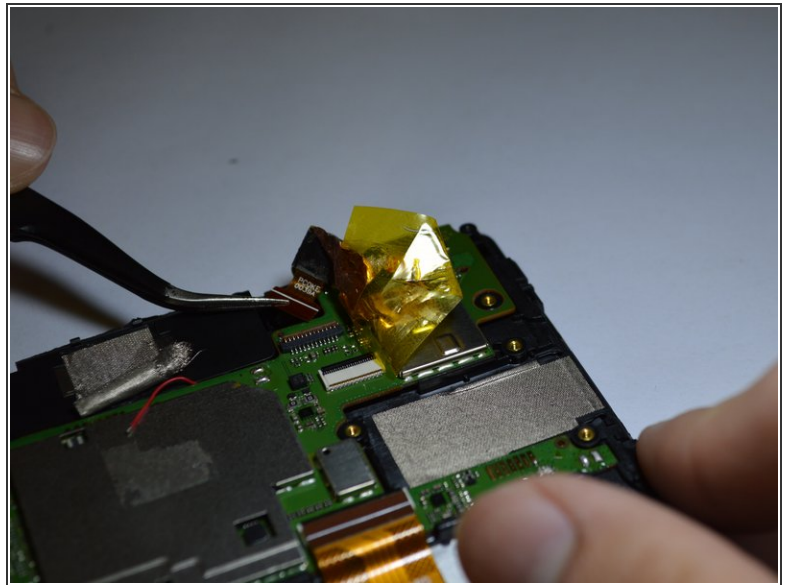
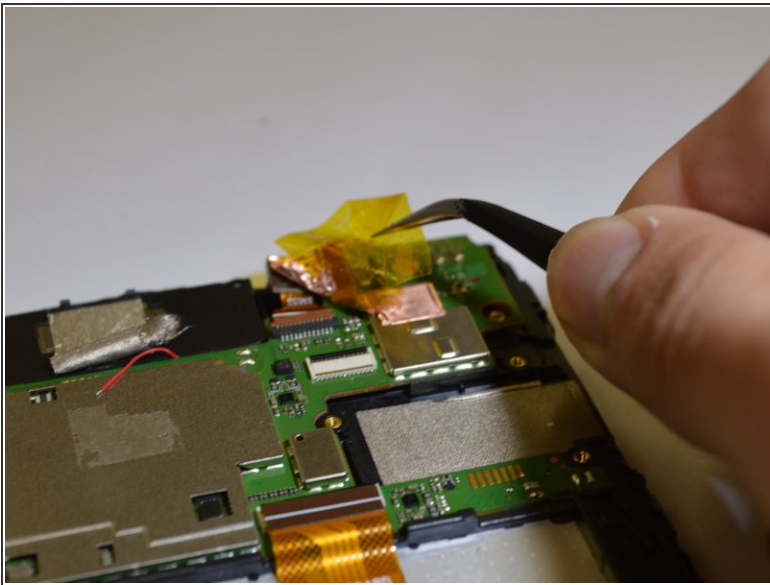


## Step 7 — Rear Camera



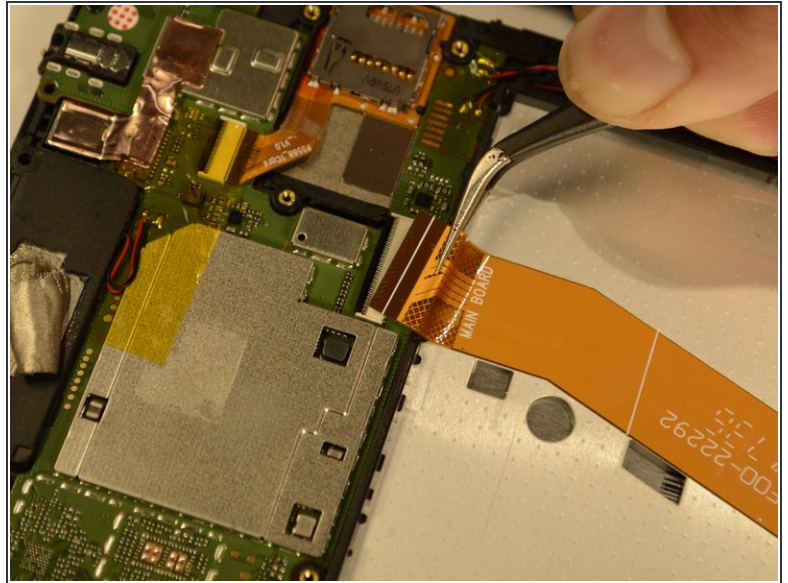
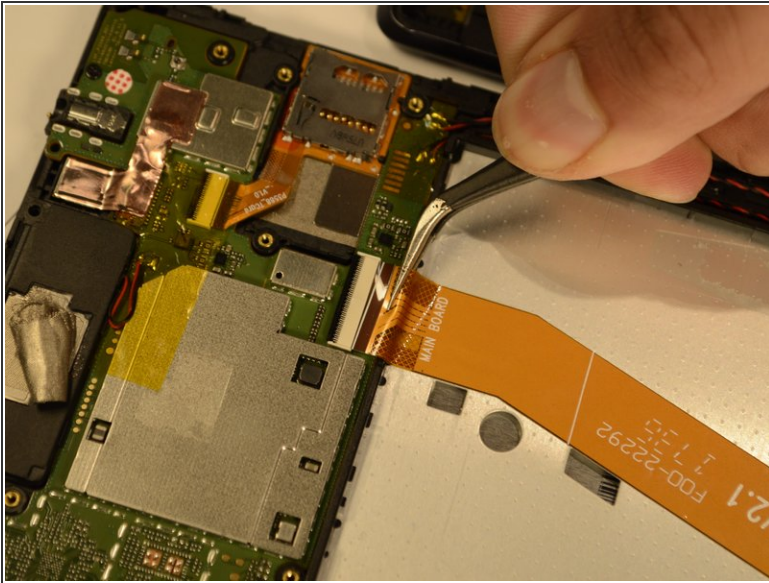
- Use a spudger to lift the rear camera press-fit connector up and free.
- Use tweezers to lift the rear camera out of the frame.

## Step 8 — Front Camera



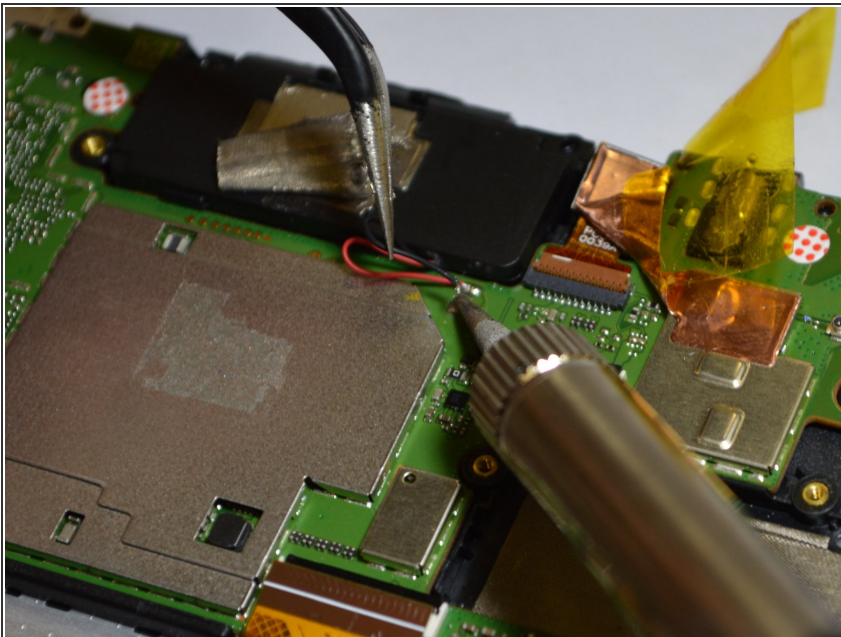
- Using tweezers, lift the yellow tape hiding the front camera.
- Disconnect the front camera's connector from the motherboard using tweezers.

## Step 9 — Motherboard



- Use tweezers to pull screen digitizer cable from the motherboard.

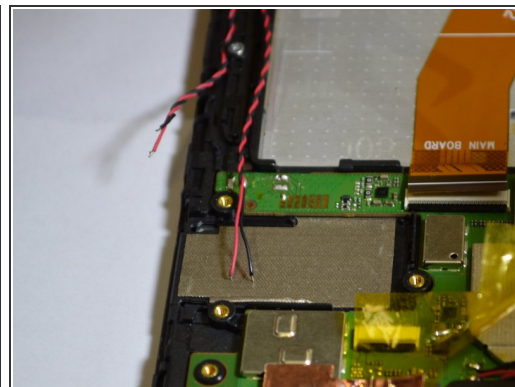
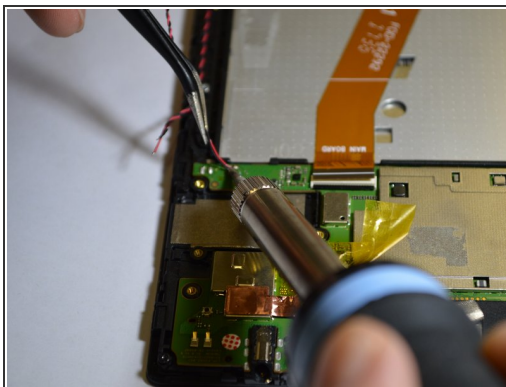
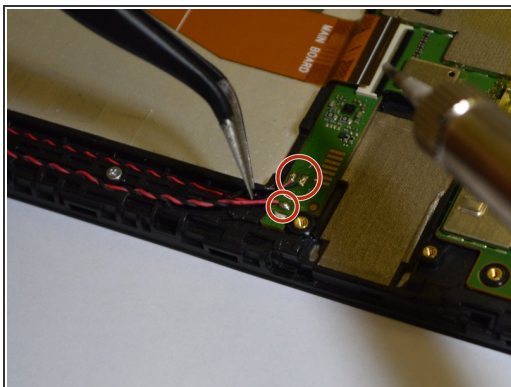
## Step 10



- [Desolder](#) the two top speaker wires from the motherboard.
- ⚠ Be careful as the soldering iron is hot! Improper handling can result in severe burns.

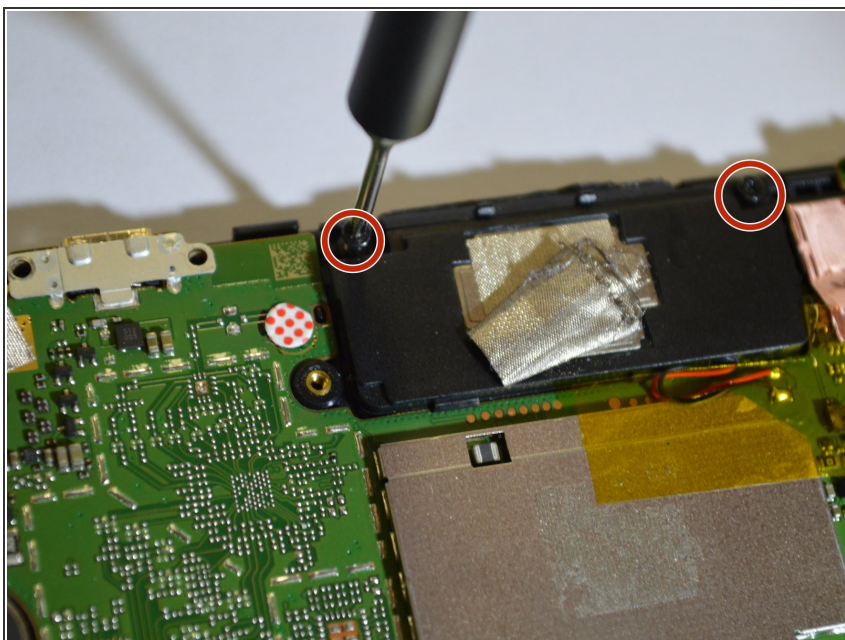


## Step 11



- Desolder the black and red speaker wires from the motherboard.

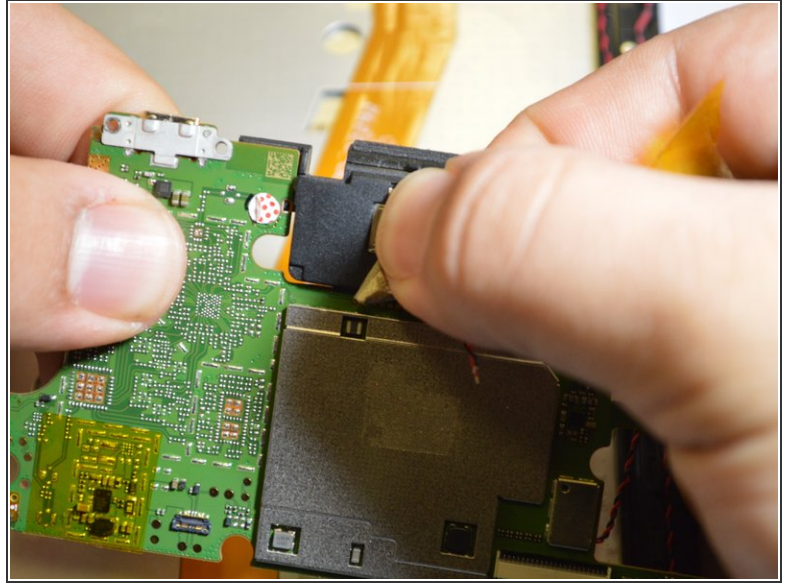
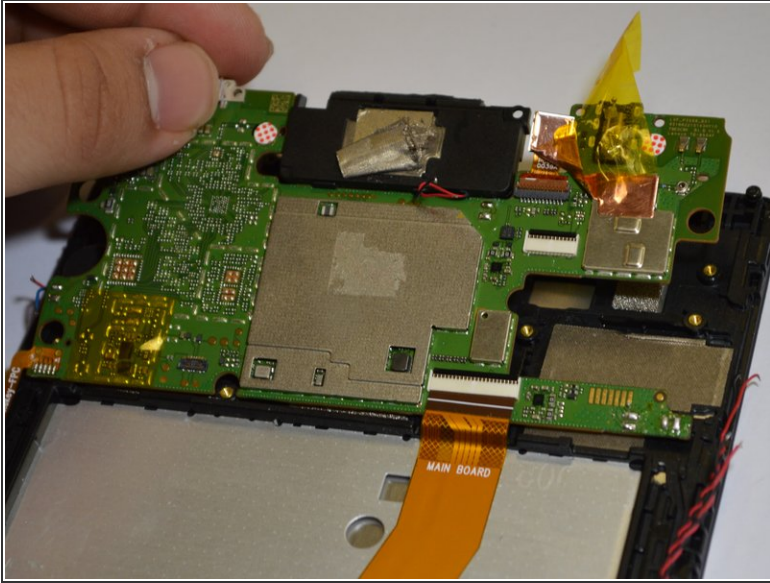
## Step 12



- Use a Phillips #000 screwdriver to remove the two screws that secure the speaker to the motherboard.



## Step 13



- Lift motherboard from the tablet.
- Using your hand, you can separate the top speaker from the motherboard.

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