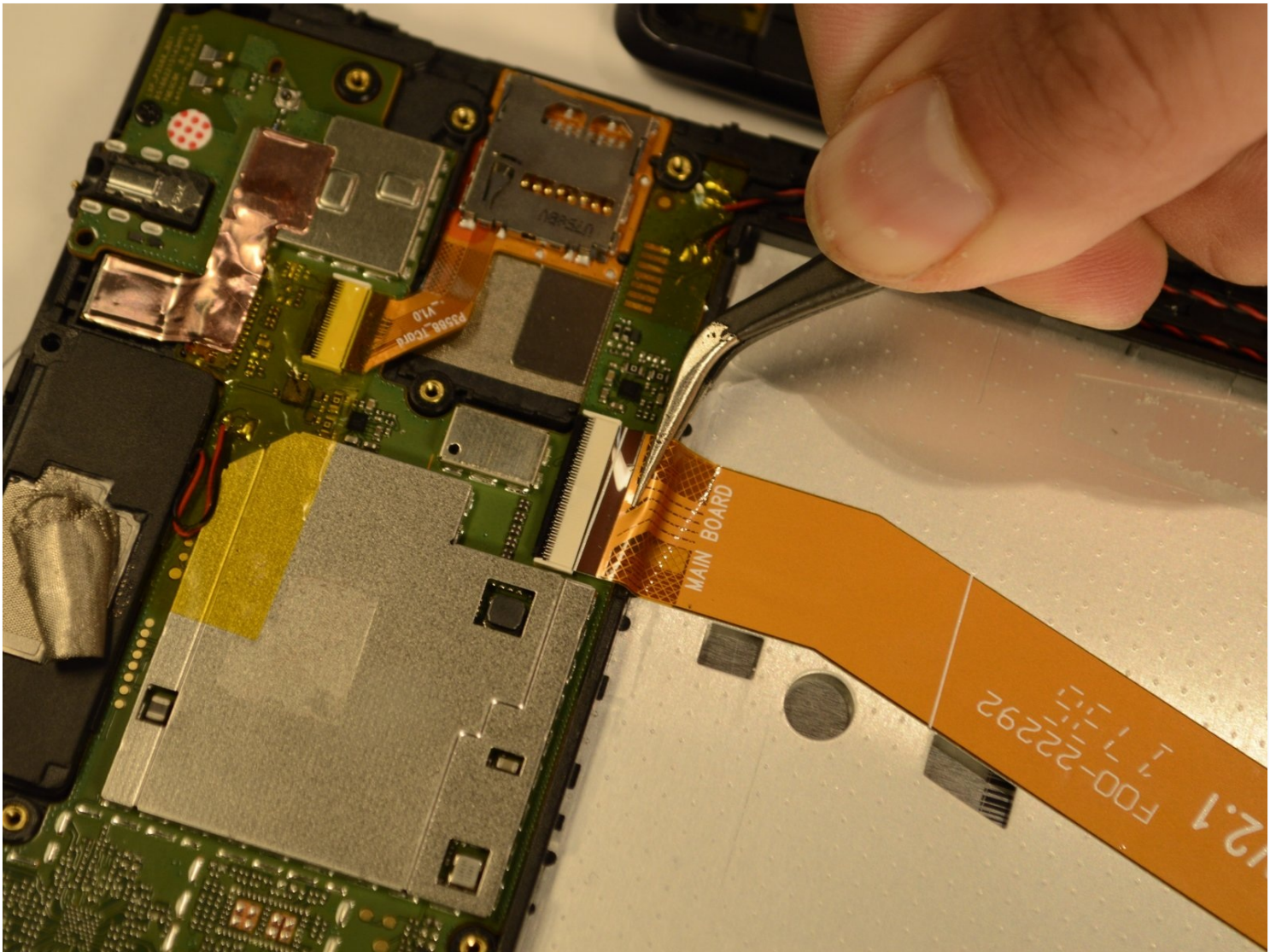




# Lenovo Tab 4 TB-8504F Motherboard Replacement

Written By: Ivan Chavez



---

## TOOLS:

Phillips #000 Screwdriver (1)  
Spudger (1)  
iFixit Opening Picks (Set of 6) (1)  
Tweezers (1)  
Soldering Iron (1)  
Lead-Free Solder (1)

---

### 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.

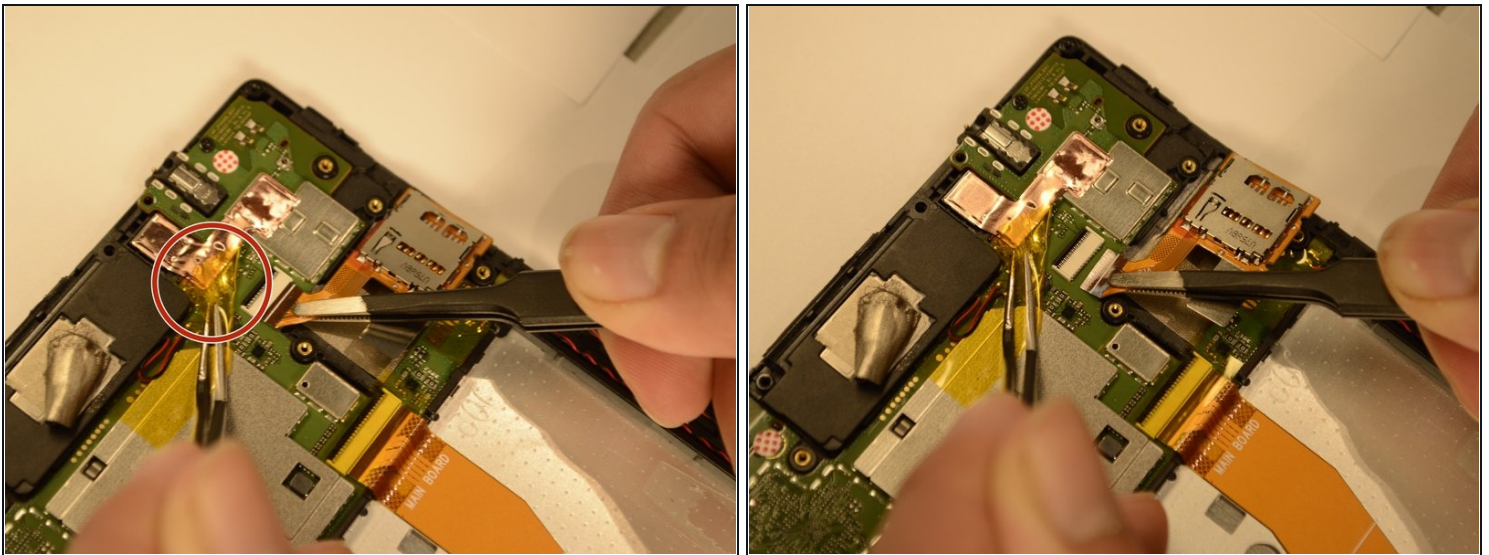
## Step 4



- 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.

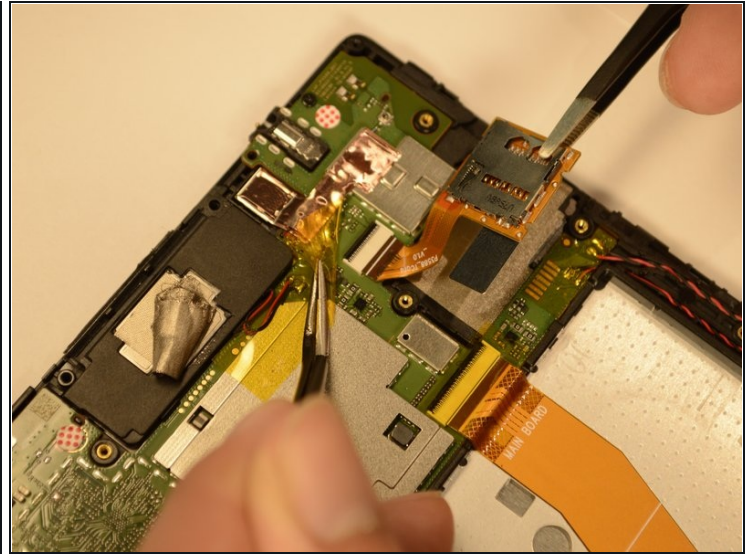
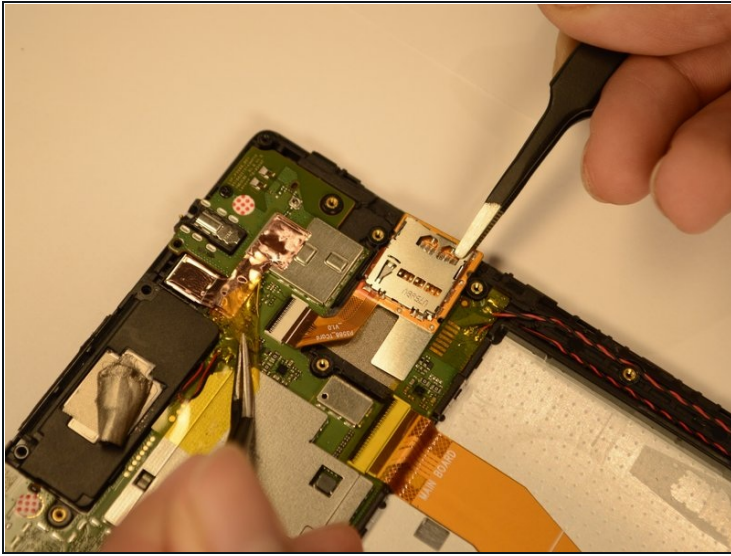
⚠ Do not bend or puncture the battery.

## Step 5 — MicroSD Card Reader



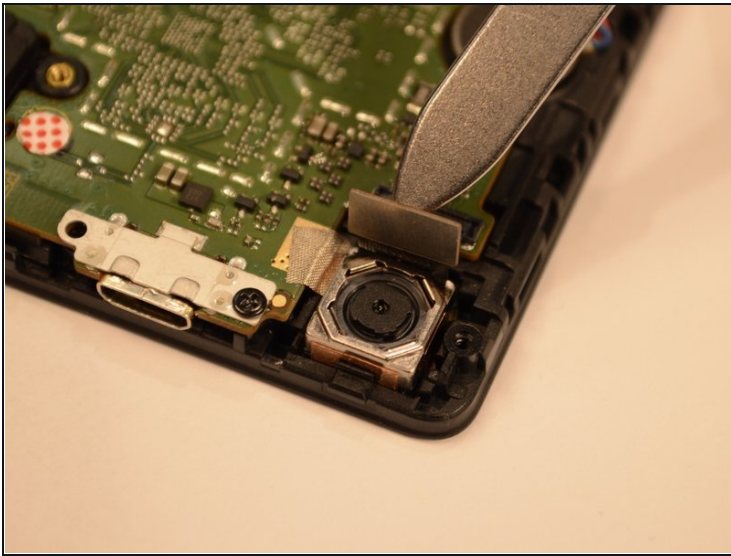
- There is a yellow tape holding the microSD card reader connector. Use tweezers to hold down the tape.
- Gently lift the tab on the microSD card reader's ZIF connector, and gently pull the ribbon cable free.

## Step 6



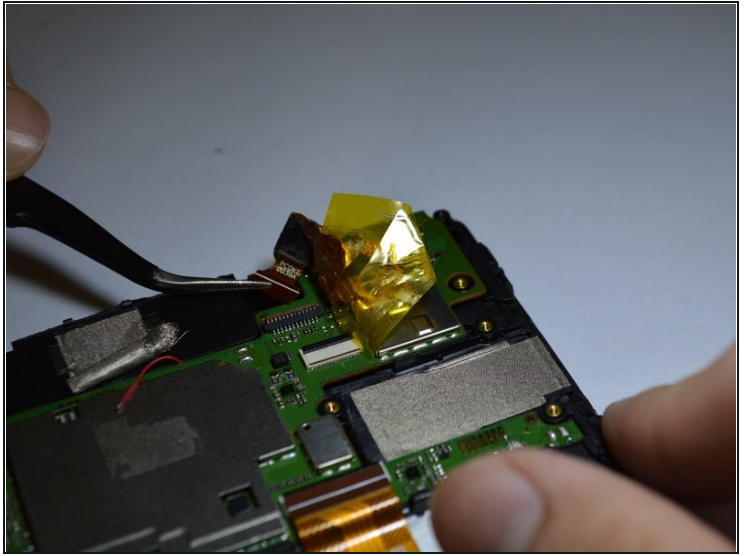
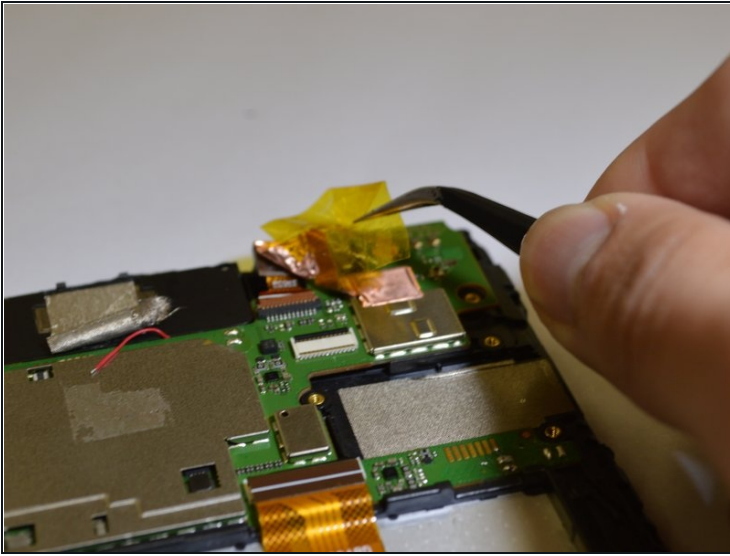
- Lift the microSD card reader with tweezers or your fingers.

## Step 7 — Rear Camera



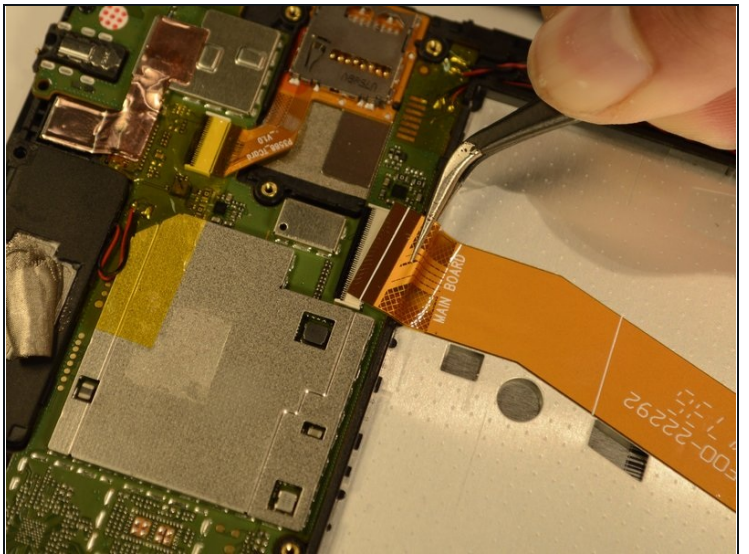
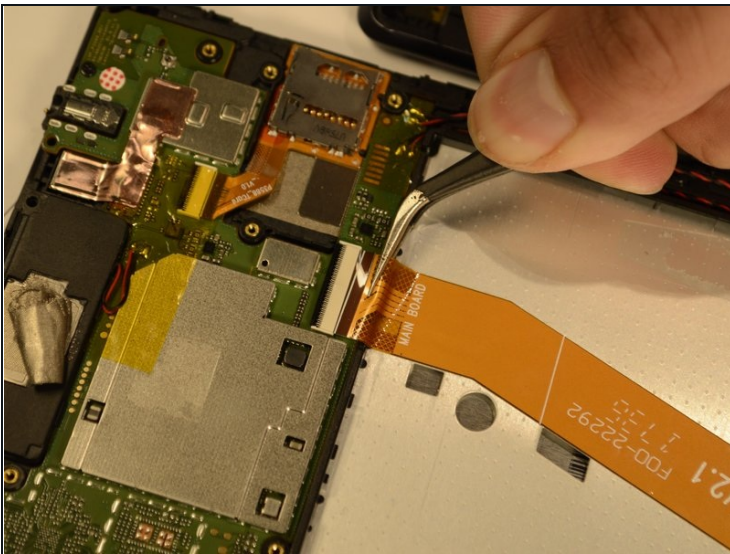
- Use a spudger to lift the rear camera press-fit connector up and free.
- Use tweezers to lift the rear camera out of the frame.

## Step 8 — Front Camera



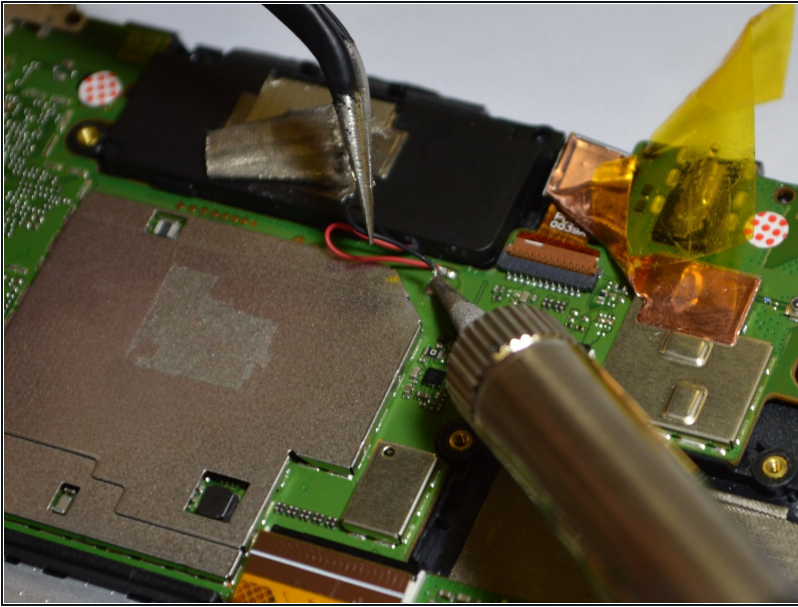
- Using tweezers, lift the yellow tape hiding the front camera.
- Disconnect the front camera's connector from the motherboard using tweezers.

## Step 9 — Motherboard



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

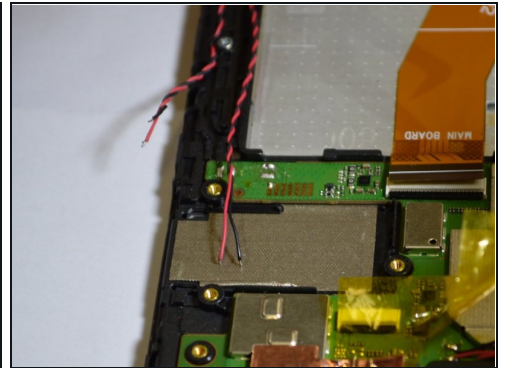
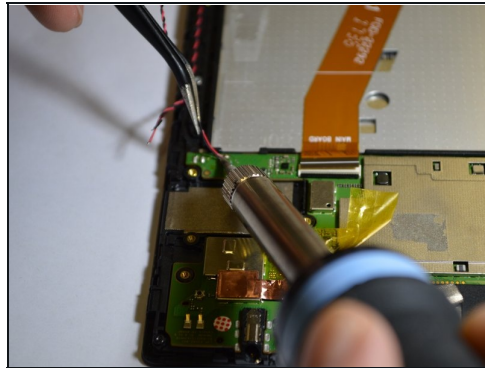
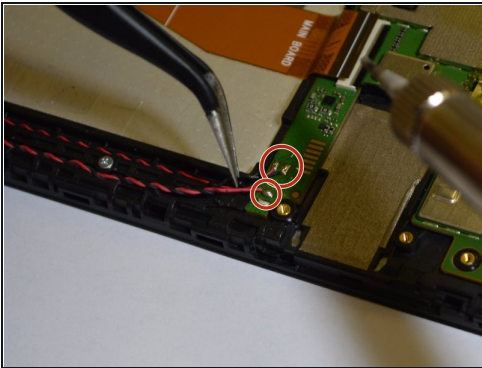
## Step 10



- Desolder the two top speaker wires from the motherboard.

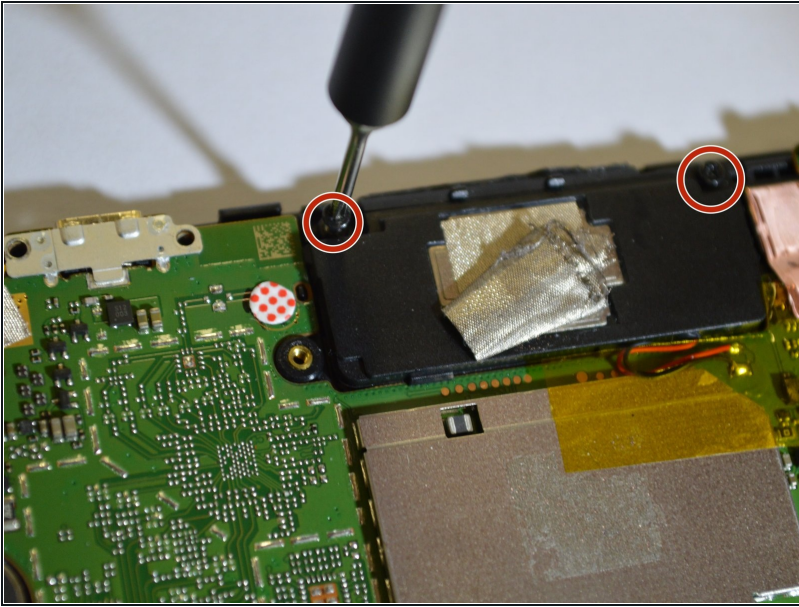
⚠ Be careful as the soldering iron is hot! Improper handling can result in severe burns.

## Step 11



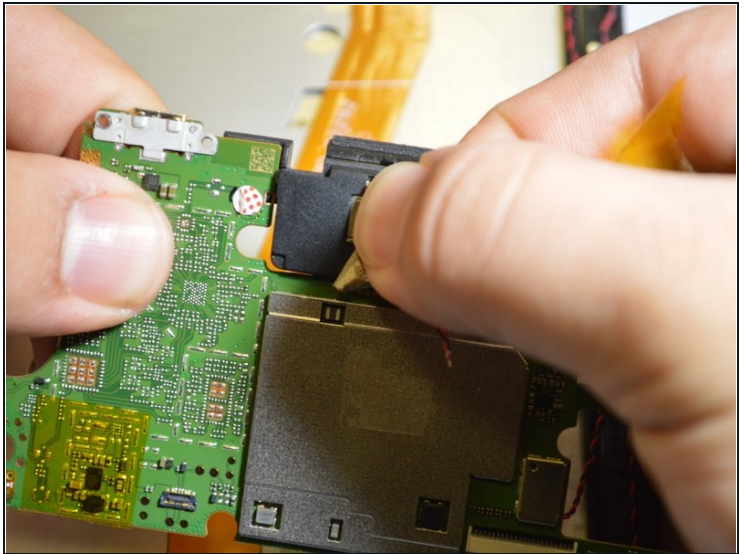
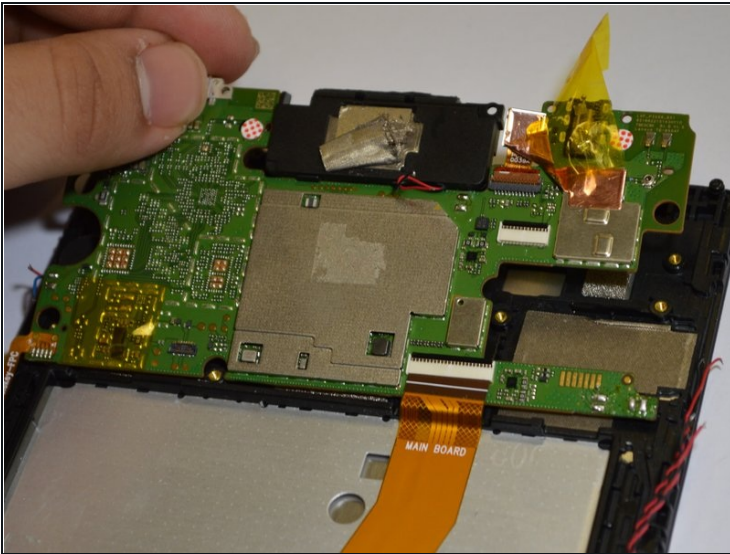
- Desolder the black and red speaker wires from the motherboard.

## 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.