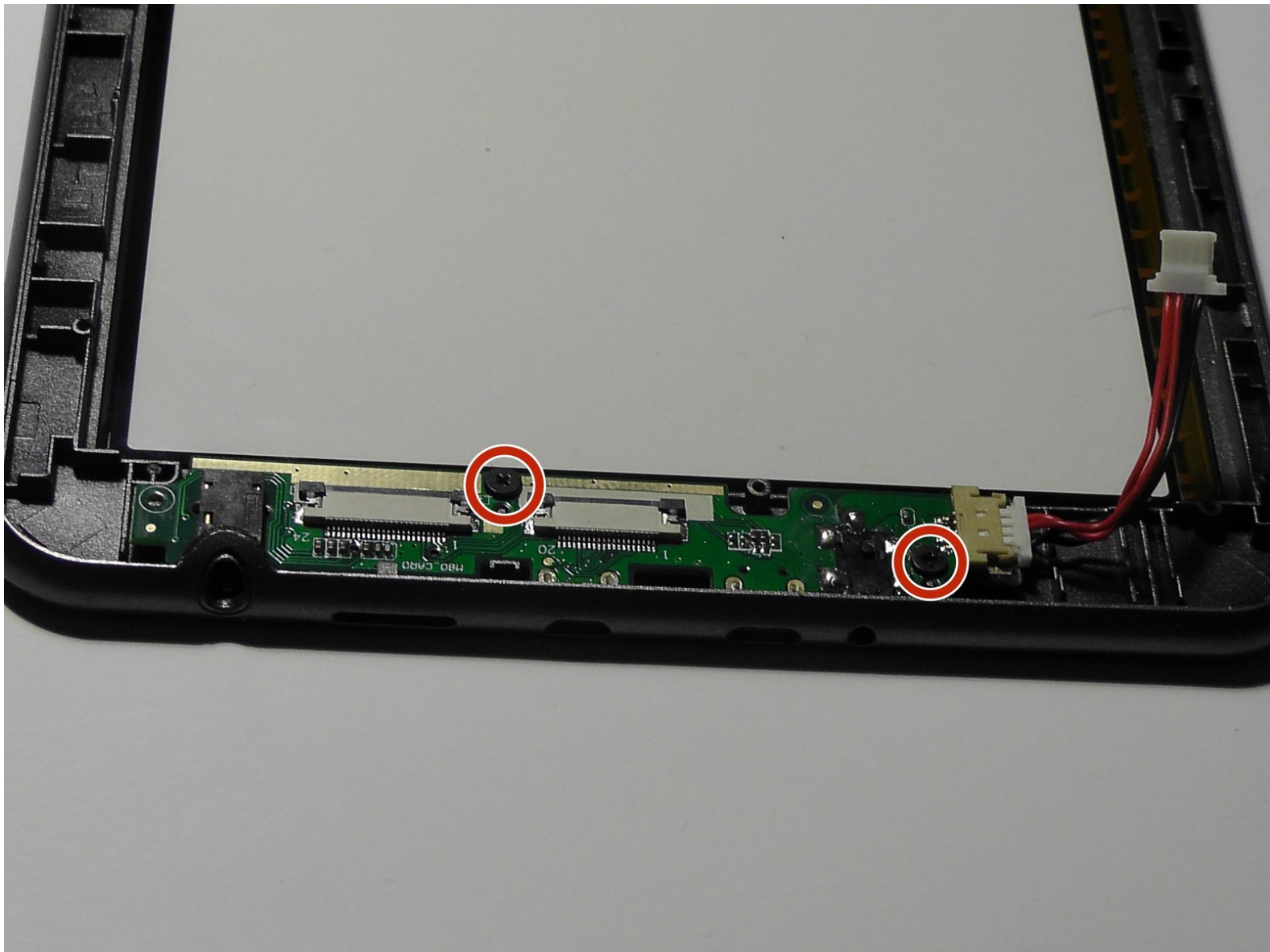# Neo3Do Audio PCB Replacement

Use the steps given in this guide to remove and replace the Neo3DO audio PCB.

Written By: Daniel Evans

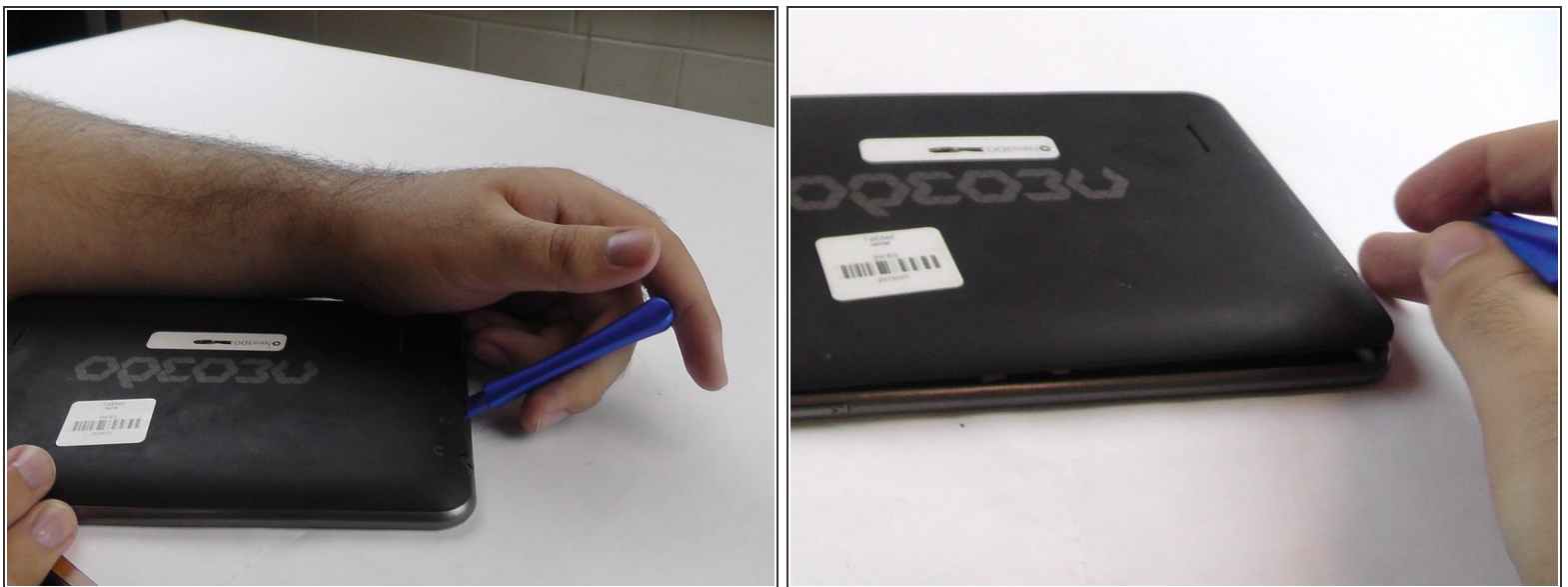## 🔧 TOOLS:

- iFixit Opening Tools (1)
- Precision Tweezers Set (1)
- Spudger (1)
- JIS Driver Set (1)
- Soldering Iron (1)
- Solder (1)
- Suction Handle (1)
- Phillips PH000 Screwdriver (1)

This document was generated on 2021-07-16 02:24:25 PM (MST).

Step 1 — Back Panel

- Turn the Neo3DO face down so that the logo is facing toward you.

- Insert the plastic opening tool between the metal frame and the plastic back panel, as shown.

Step 2

- Gently pry the back panel upwards.

⚠ Ensure the tool does not slip into the device and damage the internals.

This document was generated on 2021-07-16 02:24:25 PM (MST).
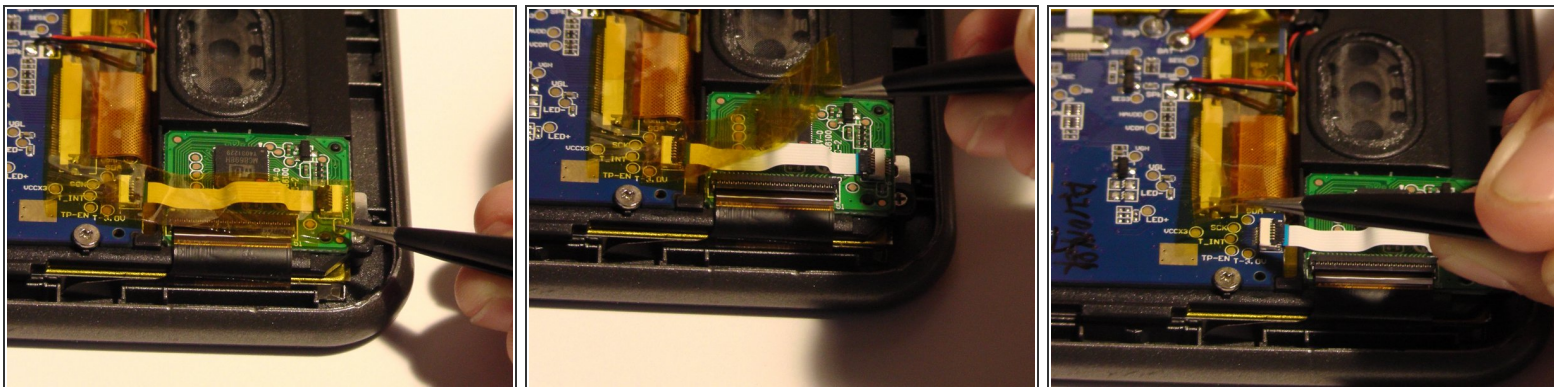
Step 3

- Once the back panel has been pried away from the bottom and sides of the Neo3DO, lift the back panel up and away from the tablet.
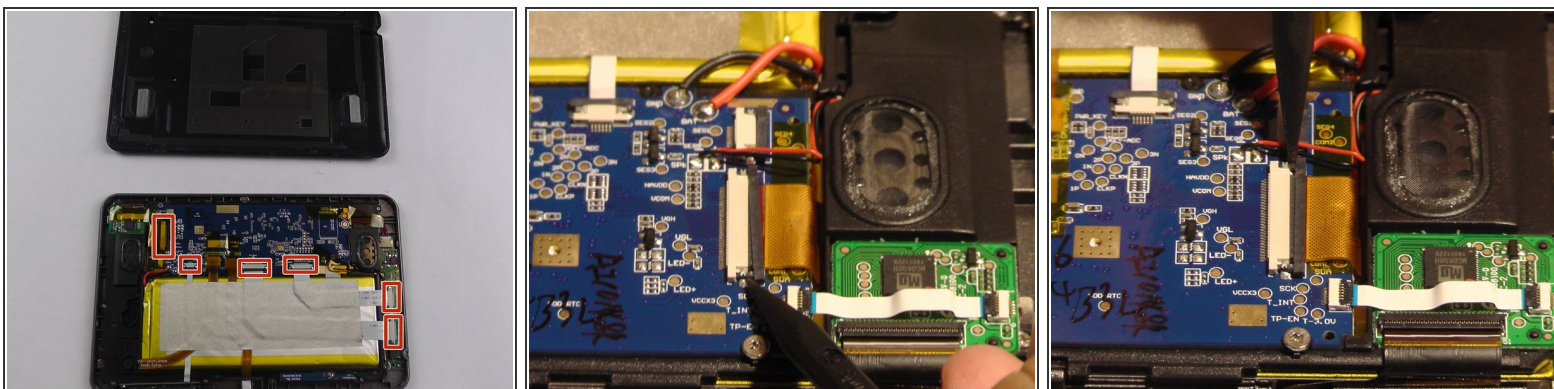
Step 4

- When replacing the back panel, place the top edge of the back panel against the top edge of the Neo3DO, as shown.

- ⓘ The top edge of the device is the edge closest to the camera. The top of the back panel is the side with the hole for the camera.
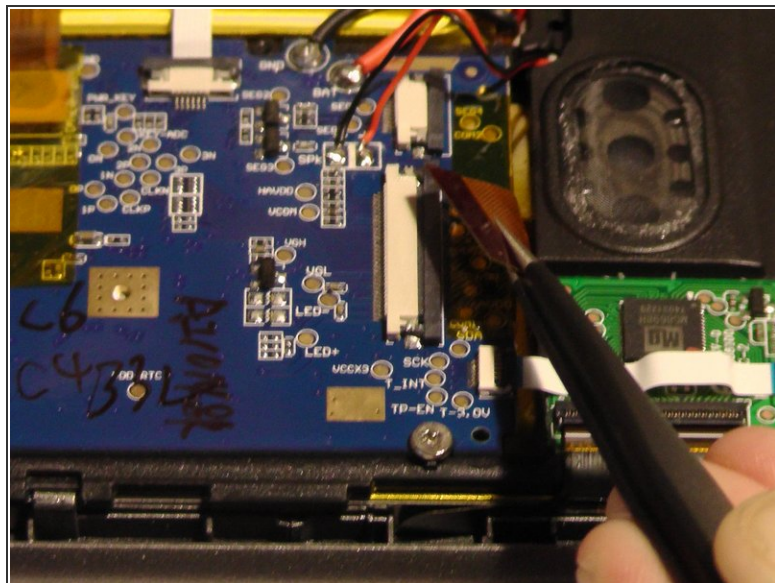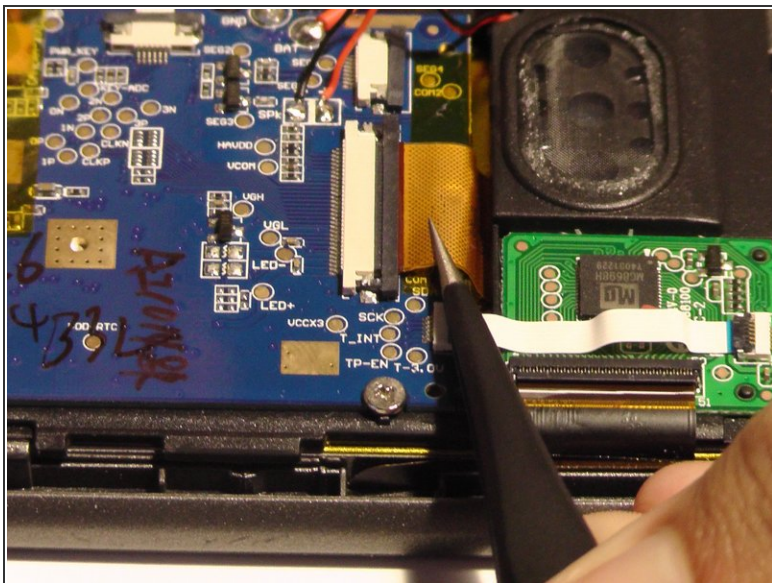
Step 5 — Motherboard

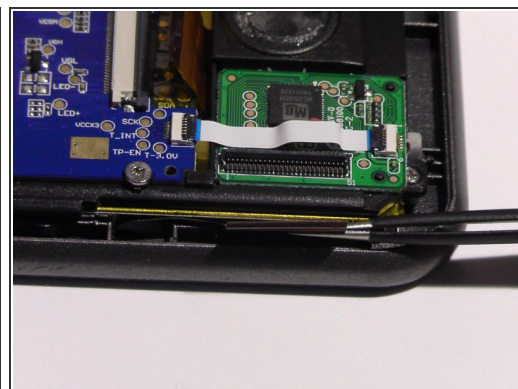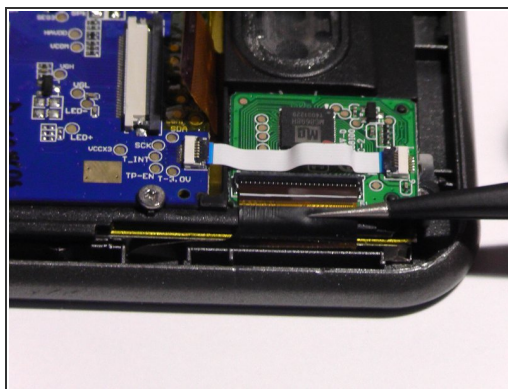- Remove all the tape attached to the motherboard.

Step 6
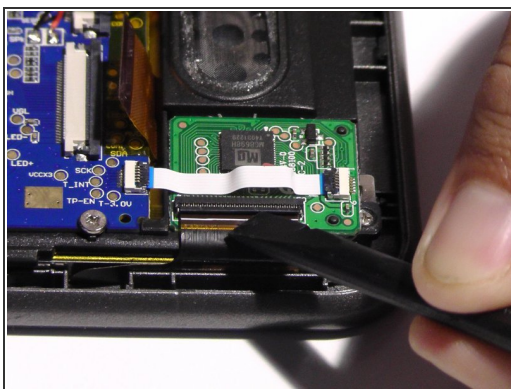
- Pull out the black tabs using the plastic spudger.

- (i) All sockets that require the same step are marked in the first photo.

This document was generated on 2021-07-16 02:24:25 PM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 5 of 13
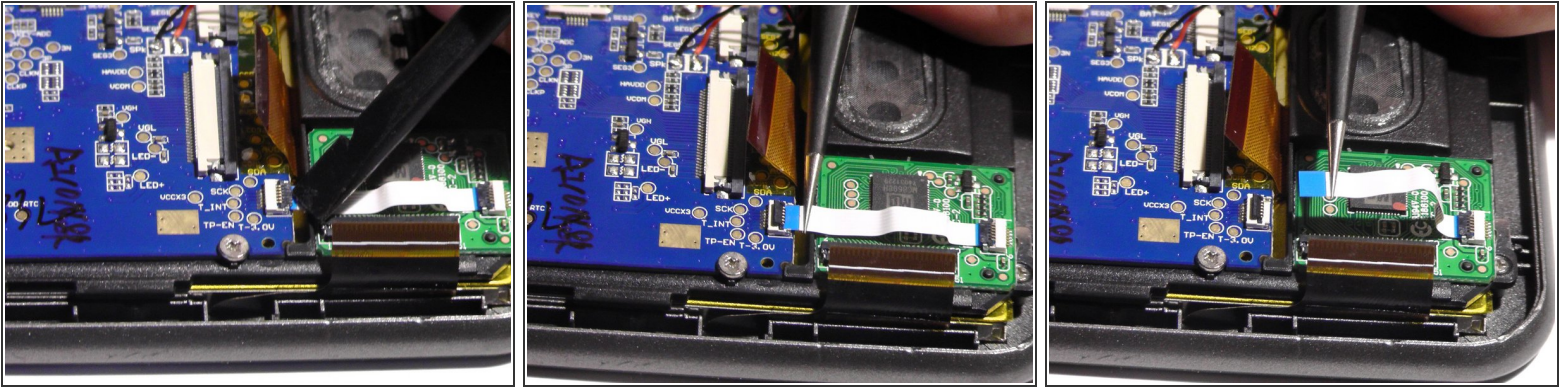
Step 7

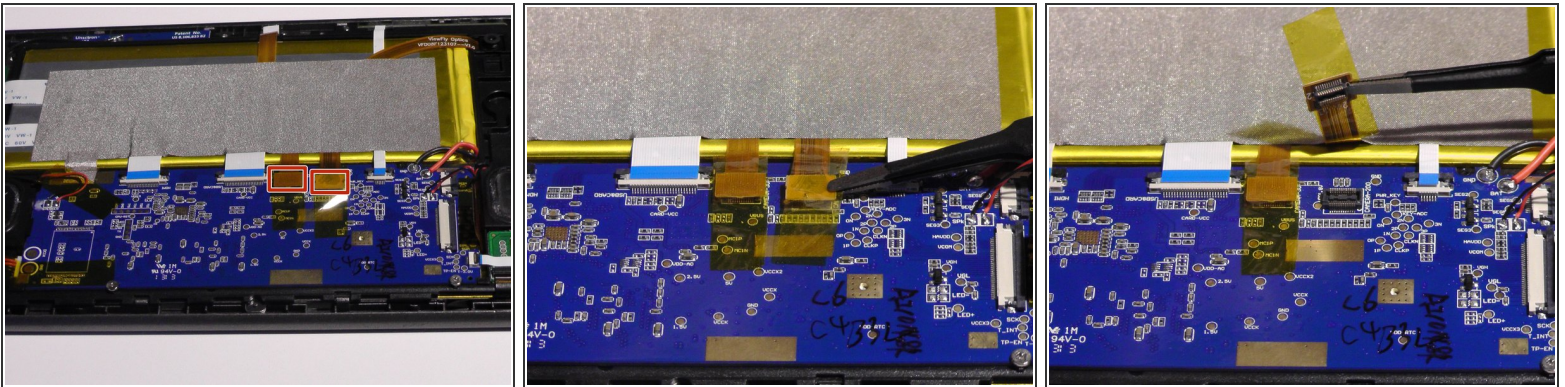- Remove the wire belt from the socket.

Step 8

- Lift the black tab and then remove the wire belt.

Step 9

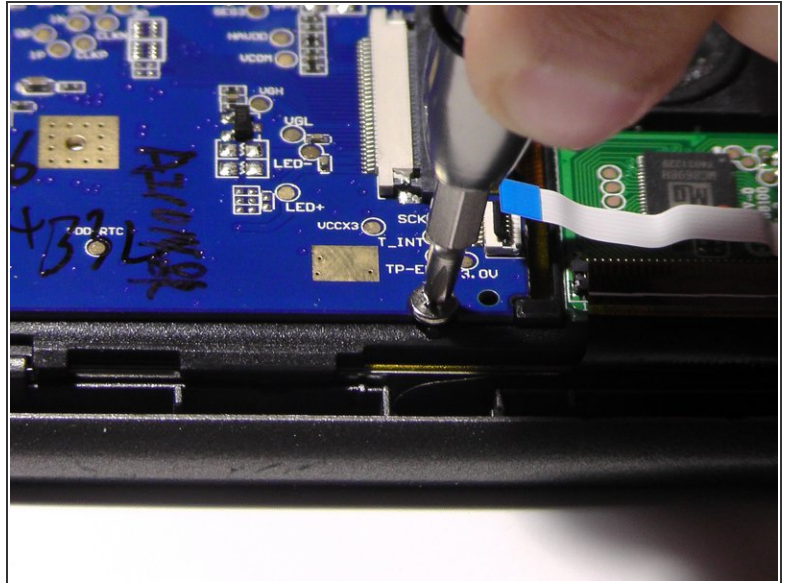- Lift the black tab and then remove the wire belt.
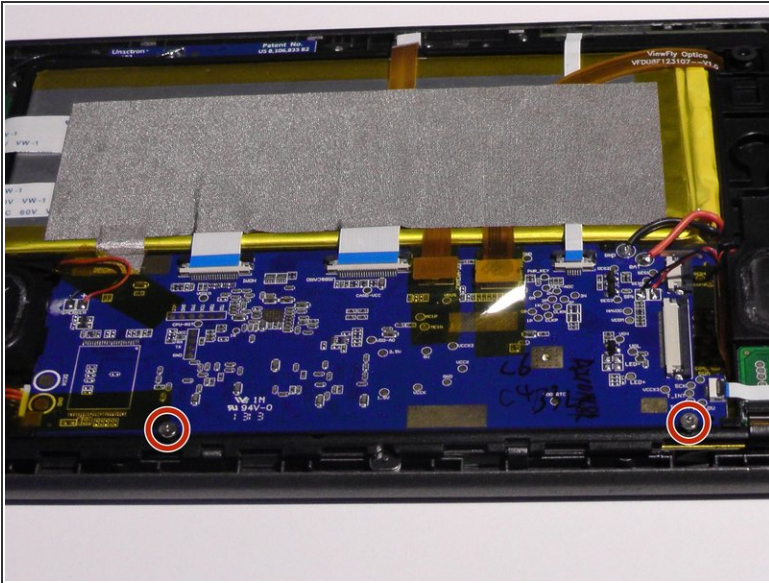
Step 10

- Grip the side of the tab and pull upwards to remove it from the socket.

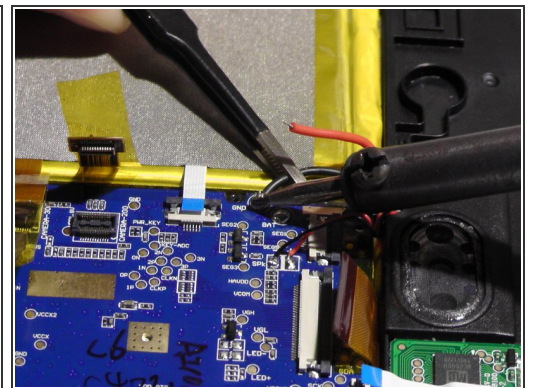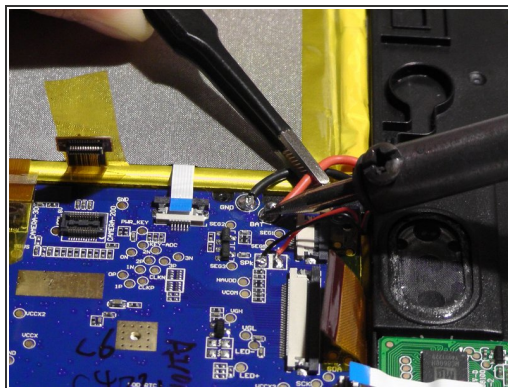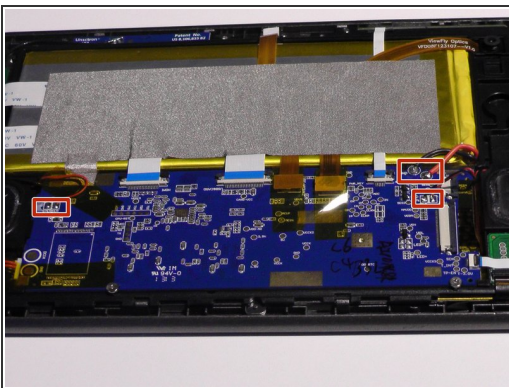- ⓘ All sockets that require the same step are marked in the first photo.

- ⚠ Gripping the wire belt and pulling upwards may cause damage, be sure to avoid it.

This document was generated on 2021-07-16 02:24:25 PM (MST).

© iFixit — CC BY-NC-SA

www.iFixit.com

Page 7 of 13

Step 11

- Remove the screws using the J0 head screwdriver.

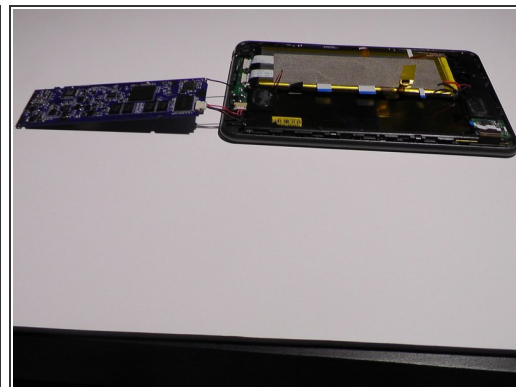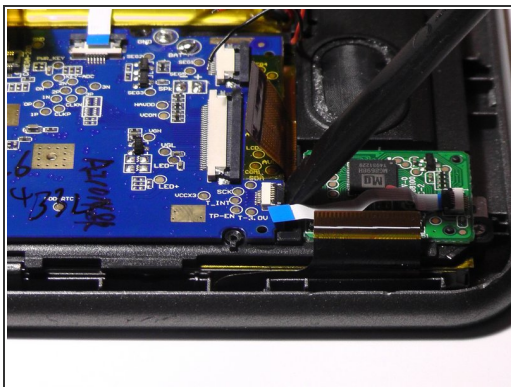- ⓘ All screws that require the same step are marked in the first photo.

Step 12

- Grip the active(red) wire and apply the soldering tool until the solder is soft enough for the wire to be removed.

- Repeat the same process to remove the neutral(black) wire.

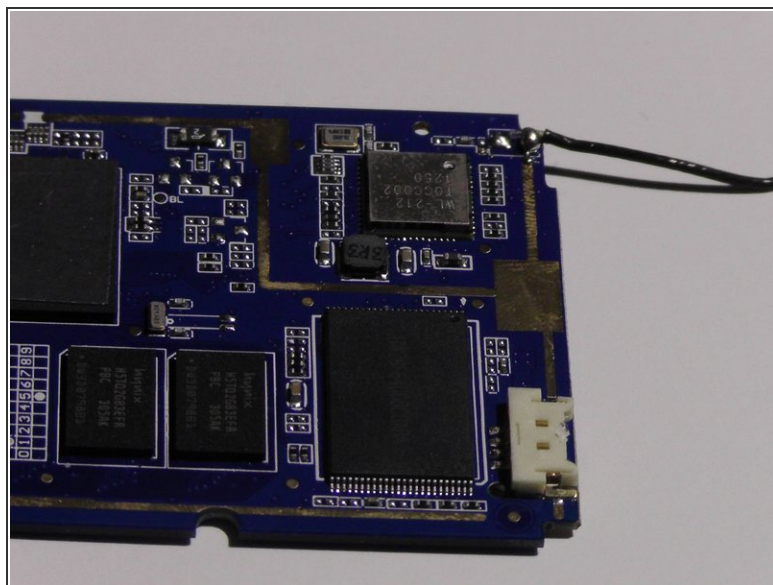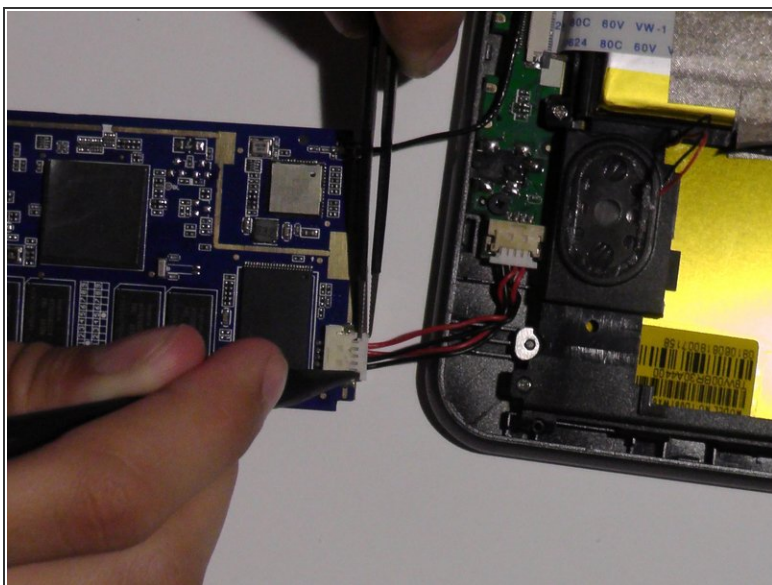- ⓘ All wires that require the same steps are marked in the first photo.

- ⚠ The soldering tool is extremely hot, use with caution.

This document was generated on 2021-07-16 02:24:25 PM (MST).
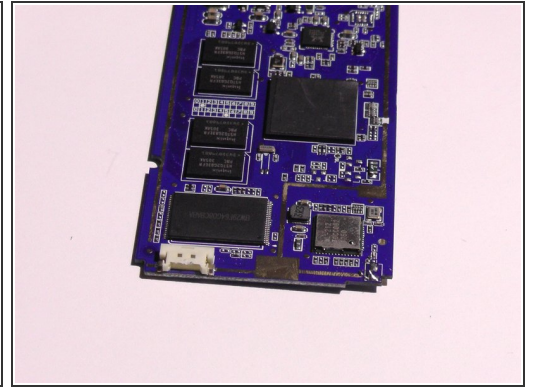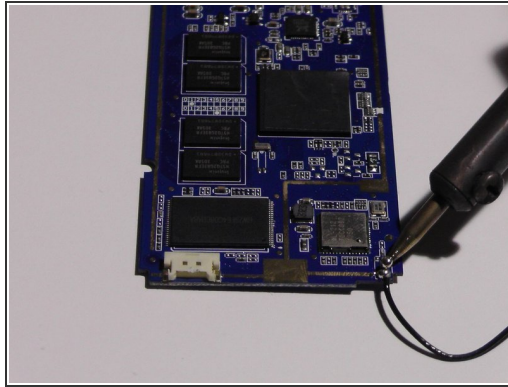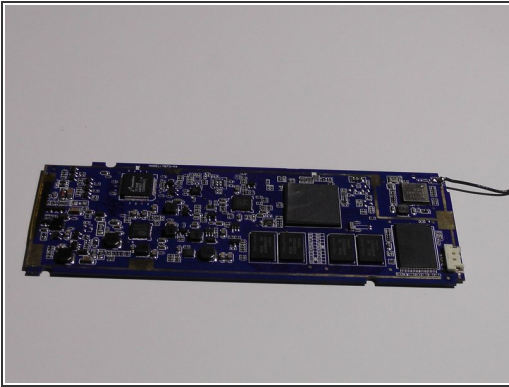
Step 13

- Use the flat end of the plastic spudger to remove the motherboard and turn it underside-up.

Step 14
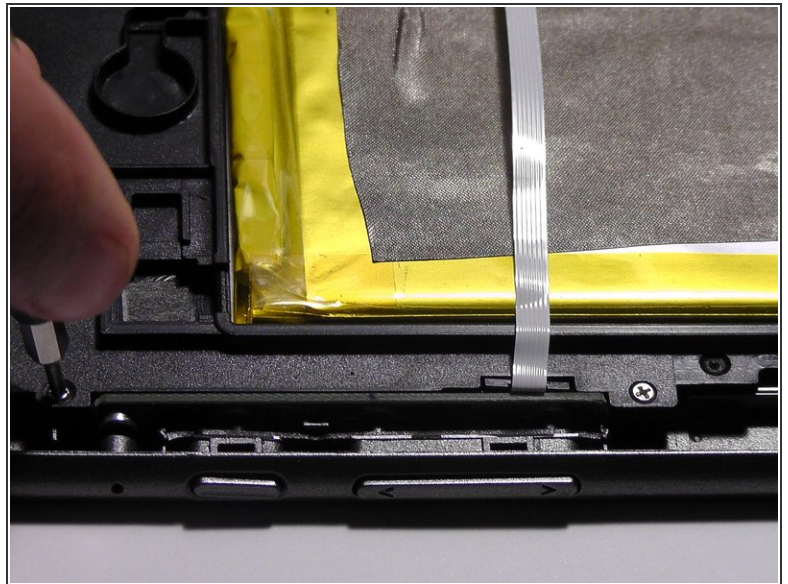

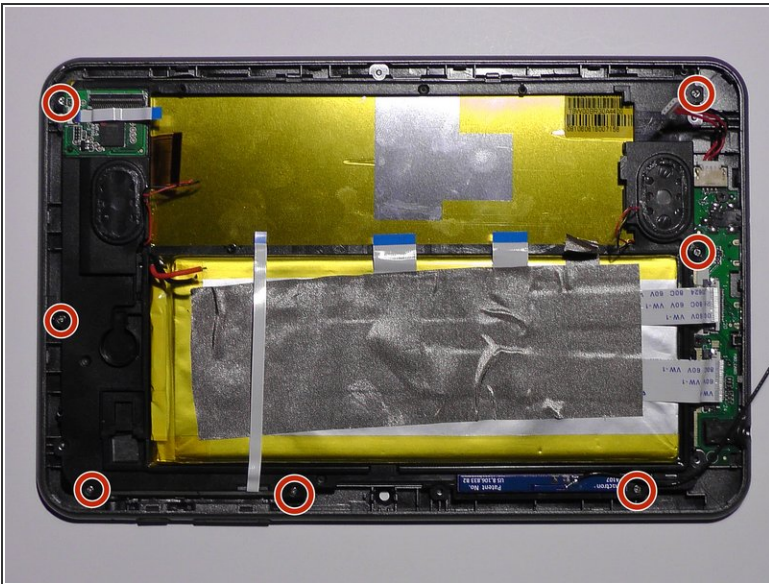- Remove the plug from the motherboard socket.

Step 15

- Grip the wire and apply the soldering tool until the solder is soft enough for the wire to be removed.
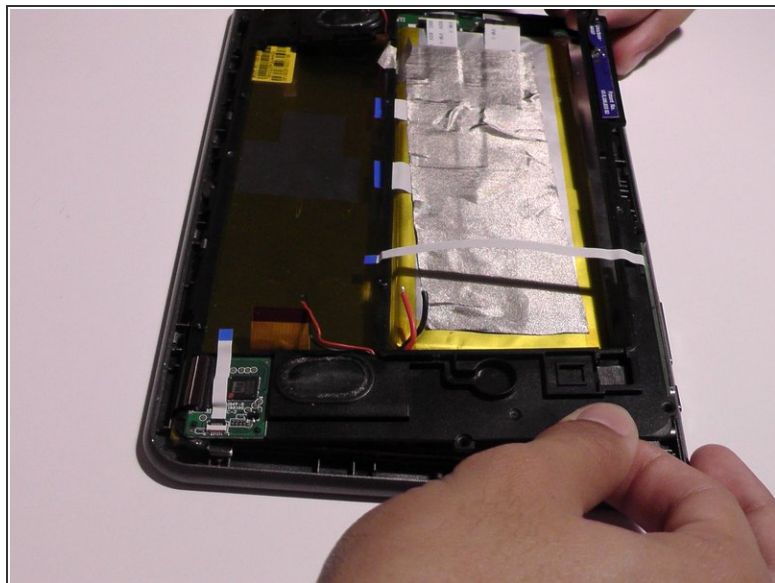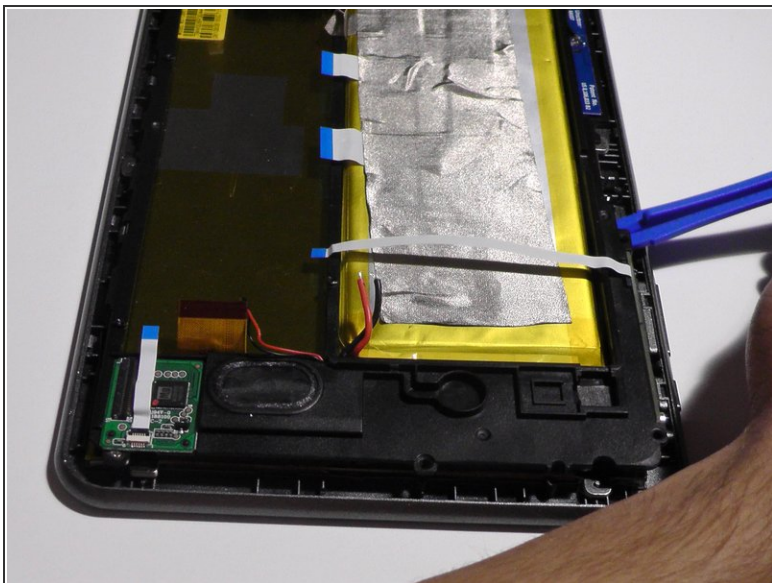
⚠ The soldering tool is extremely hot, use with caution.
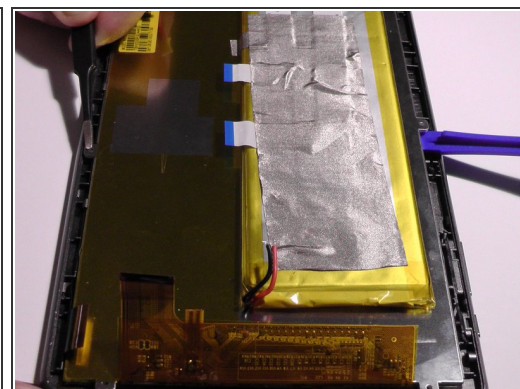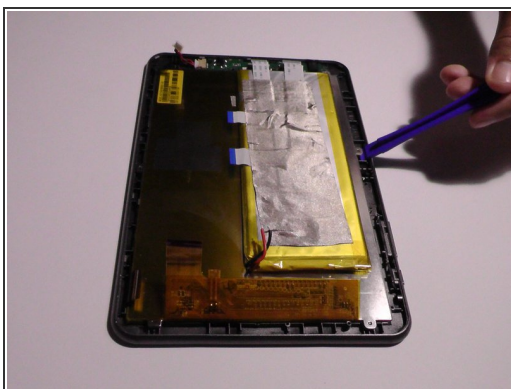
Step 16 — Battery & LED screen

- Remove the screws with a J000 screwdriver

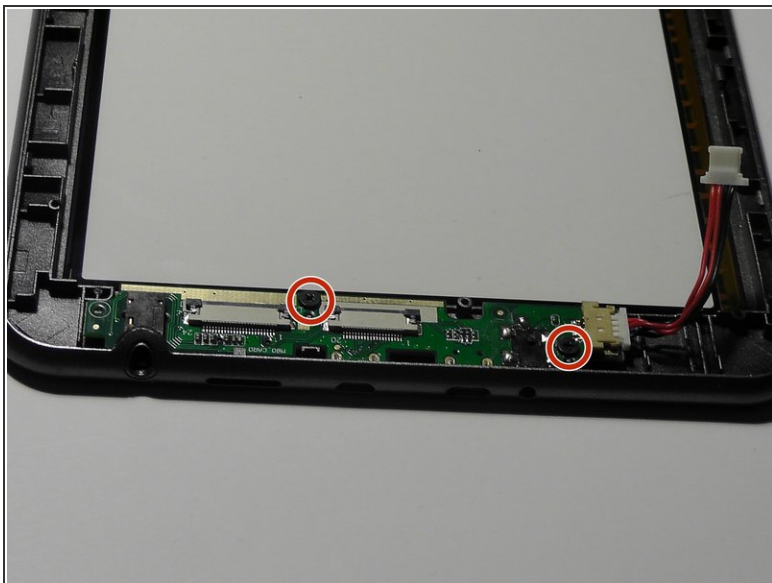ⓘ All screws that require the same step are marked in the first photo.

Step 17

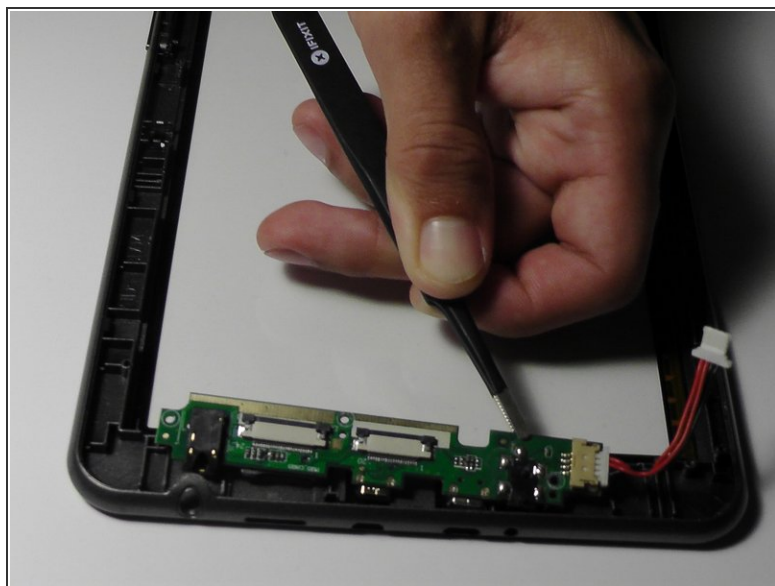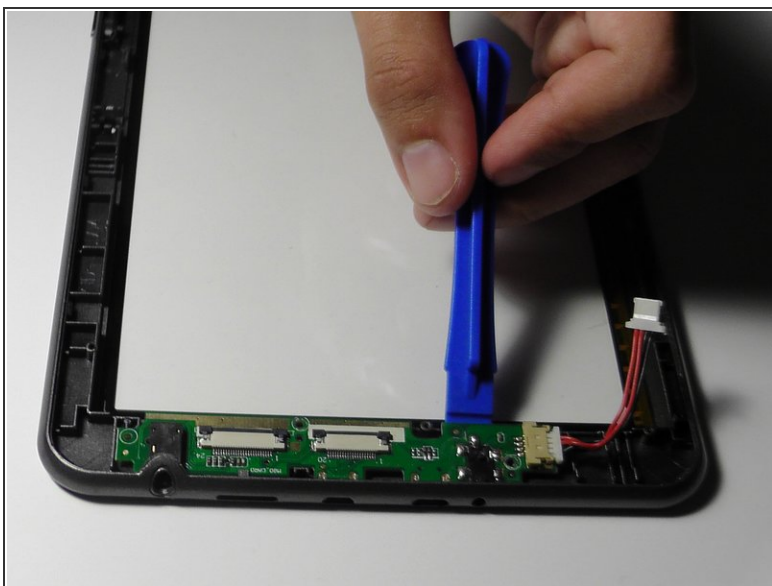- Use the plastic removal tool to remove the plastic frame.

Step 18

- Using the plastic removal tool, lift the LED screen from the battery side, and use the tweezers to help lift the LED screen upwards.

This document was generated on 2021-07-16 02:24:25 PM (MST).

Step 19 — Audio PCB

- Remove the screws using the Philip's PH000 screwdriver.

- (i) All screws that require the same step are marked in the first photo.

Step 20

- Use the plastic removal tool to pry the audio PCB and pull away from the frame to remove it.

This document was generated on 2021-07-16 02:24:25 PM (MST).

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