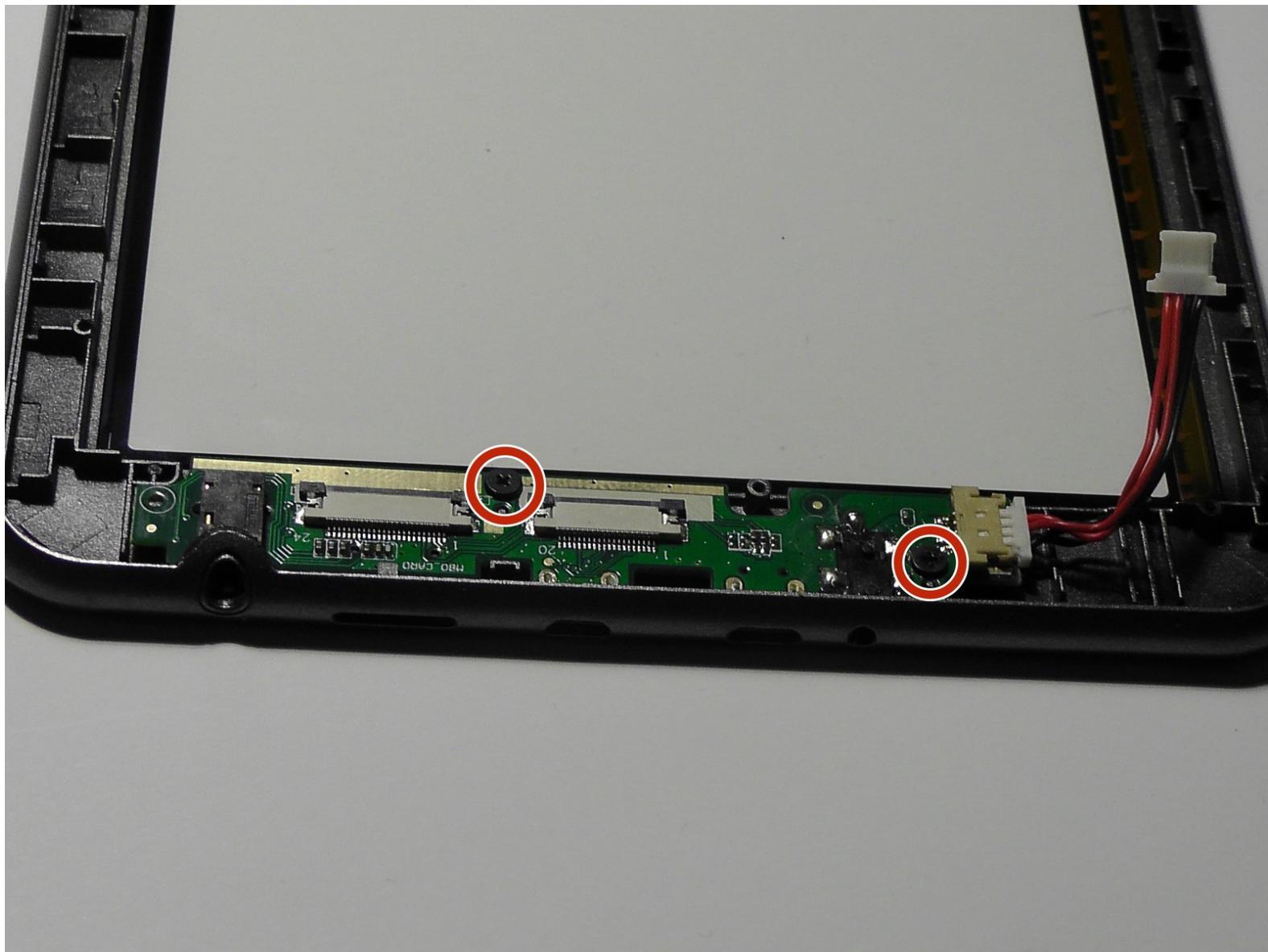




Neo3Do Audio PCB Replacement

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 \(1\)](#)

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.

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.

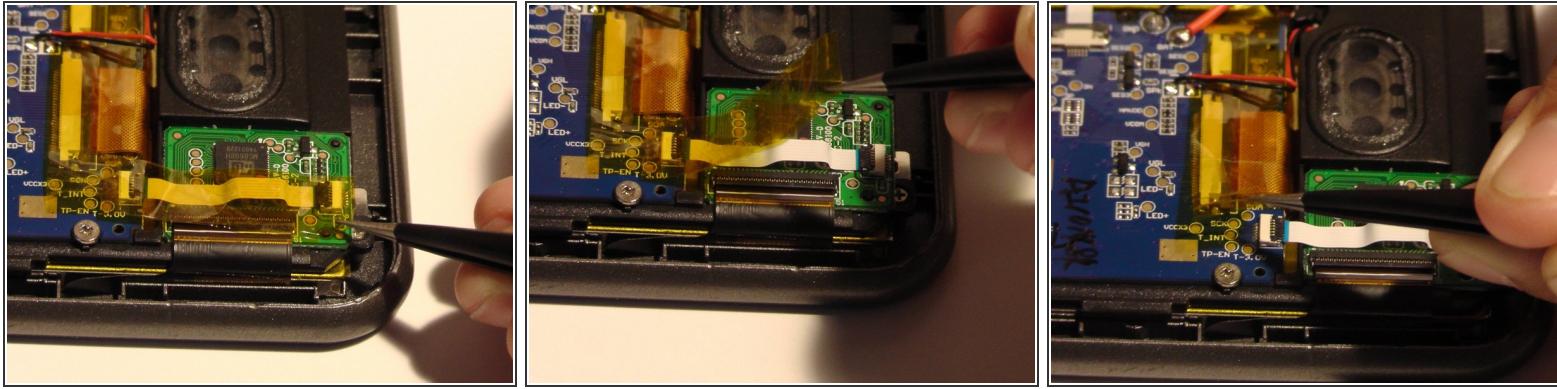
Step 4



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

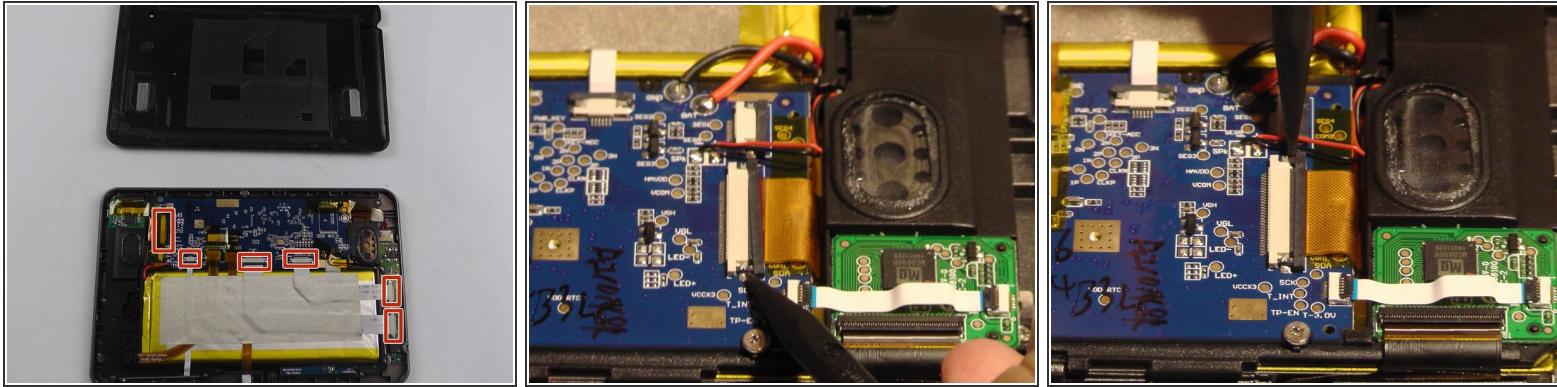
i The top edge of the device is the edge closest to the camera. The top of the back panel is the side with the hole for the camera.

Step 5 — Motherboard



- Remove all the tape attached to the motherboard.

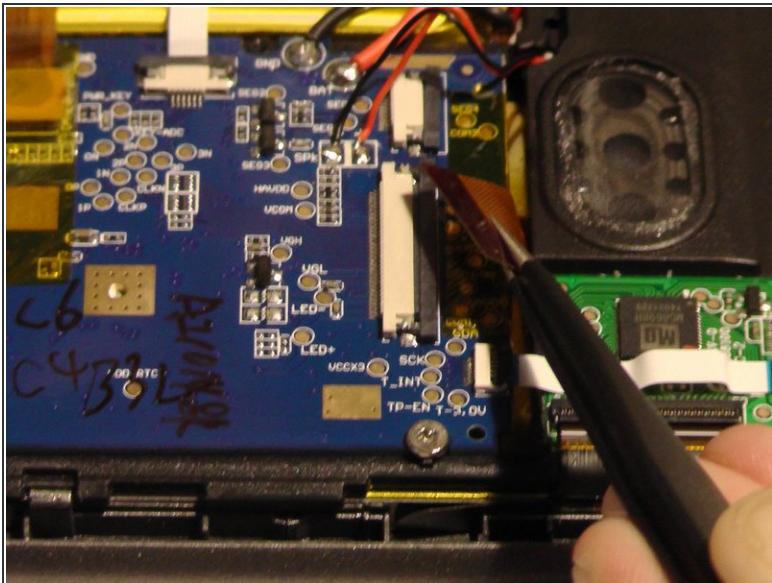
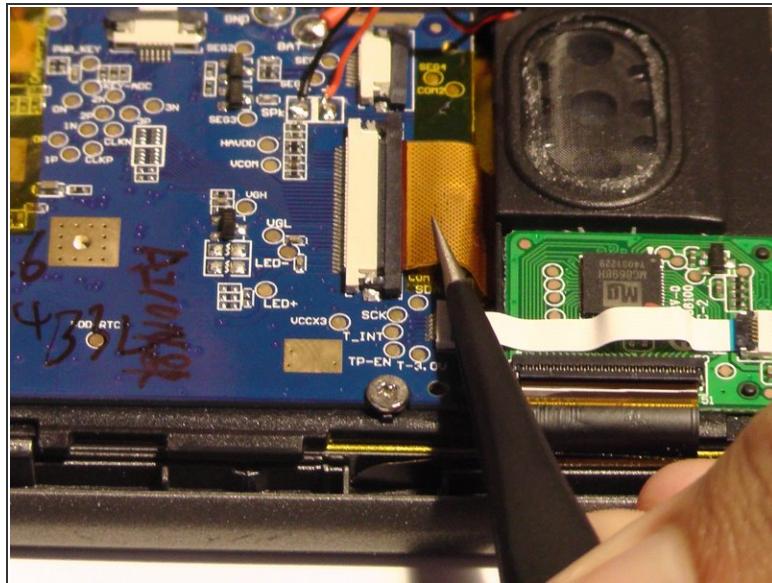
Step 6



- Pull out the black tabs using the plastic spudger.

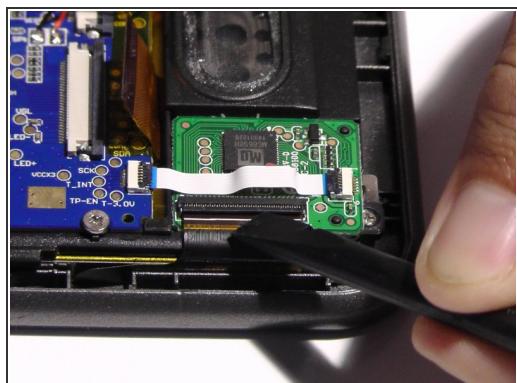
(i) All sockets that require the same step are marked in the first photo.

Step 7



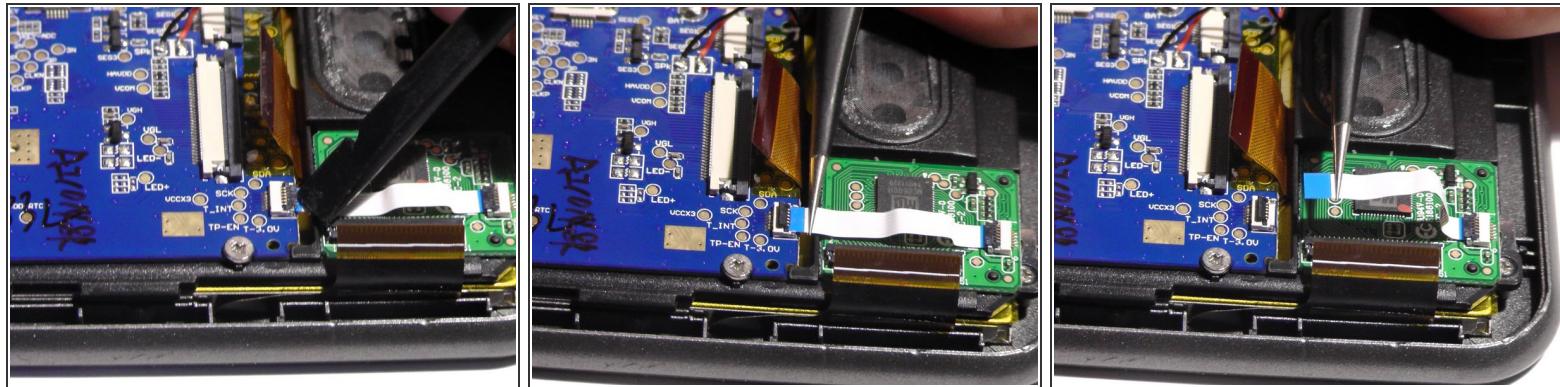
- Remove the wire belt from the socket.

Step 8



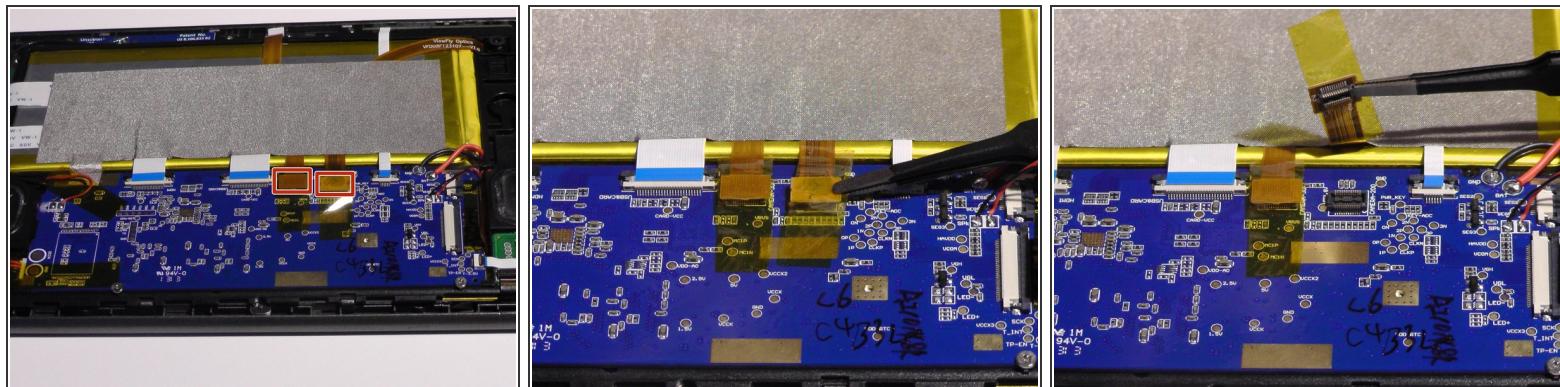
- Lift the black tab and then remove the wire belt.

Step 9



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

Step 10

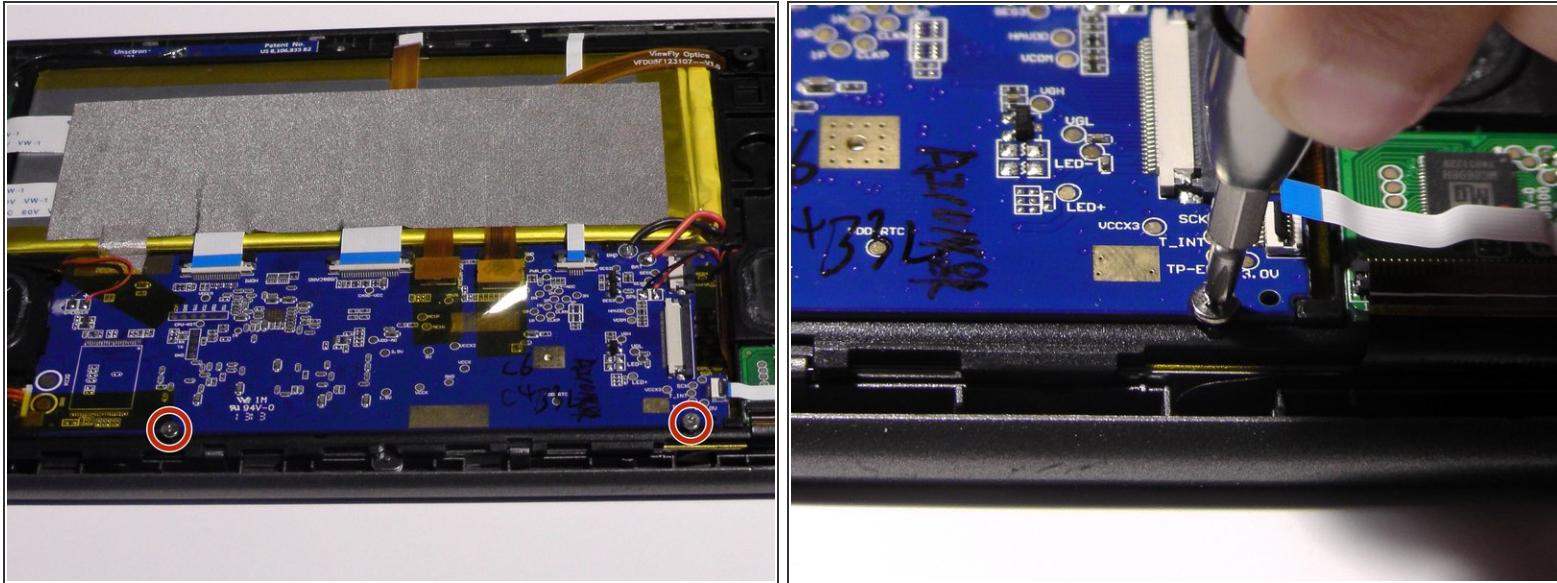


- Grip the side of the tab and pull upwards to remove it from the socket.

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

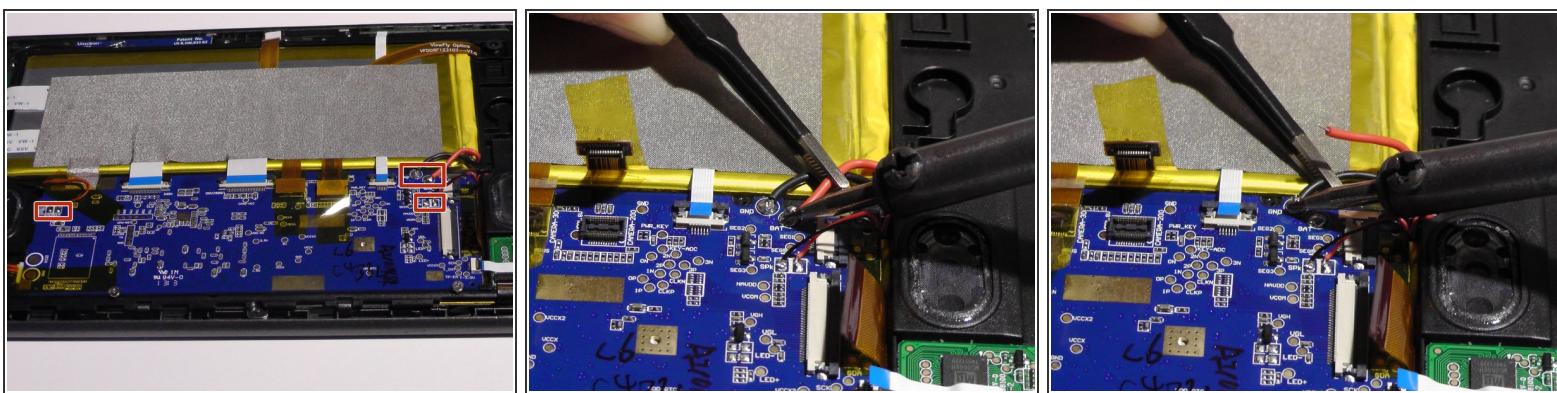
⚠ Gripping the wire belt and pulling upwards may cause damage, be sure to avoid it.

Step 11



- Remove the screws using the J0 head screwdriver.
- *(i)* 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.
- *(i)* All wires that require the same steps are marked in the first photo.

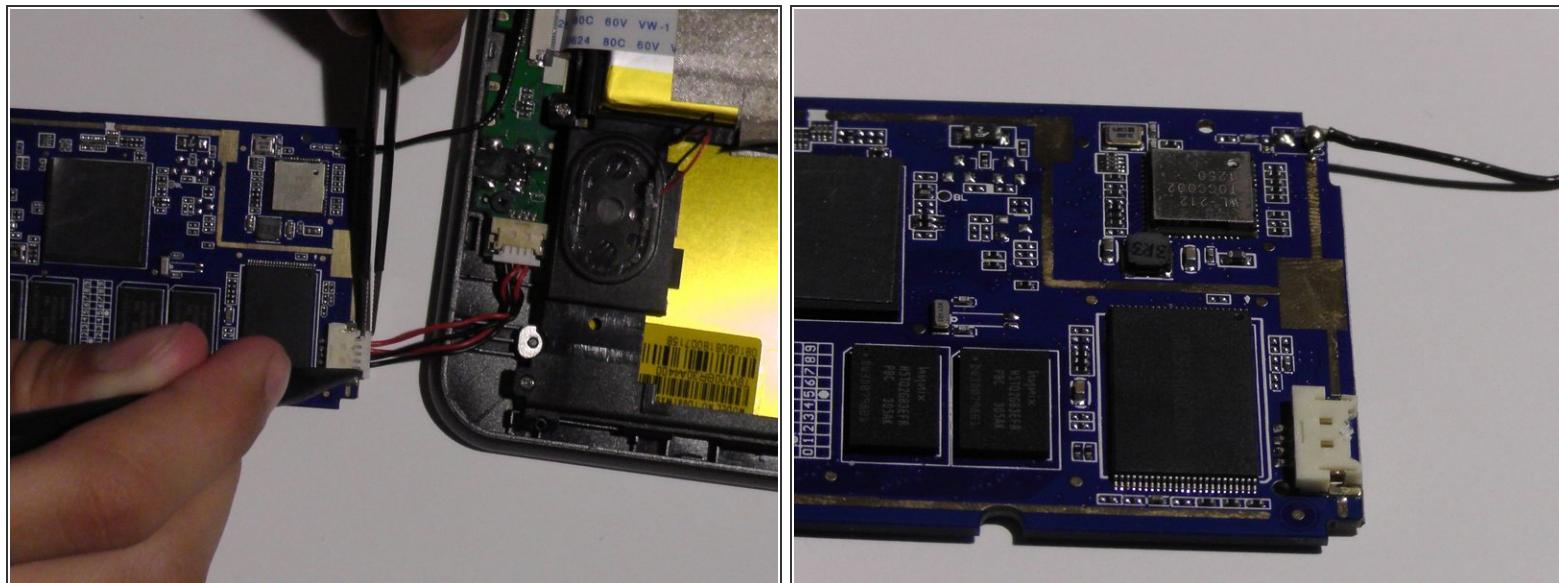
⚠ The soldering tool is extremely hot, use with caution.

Step 13



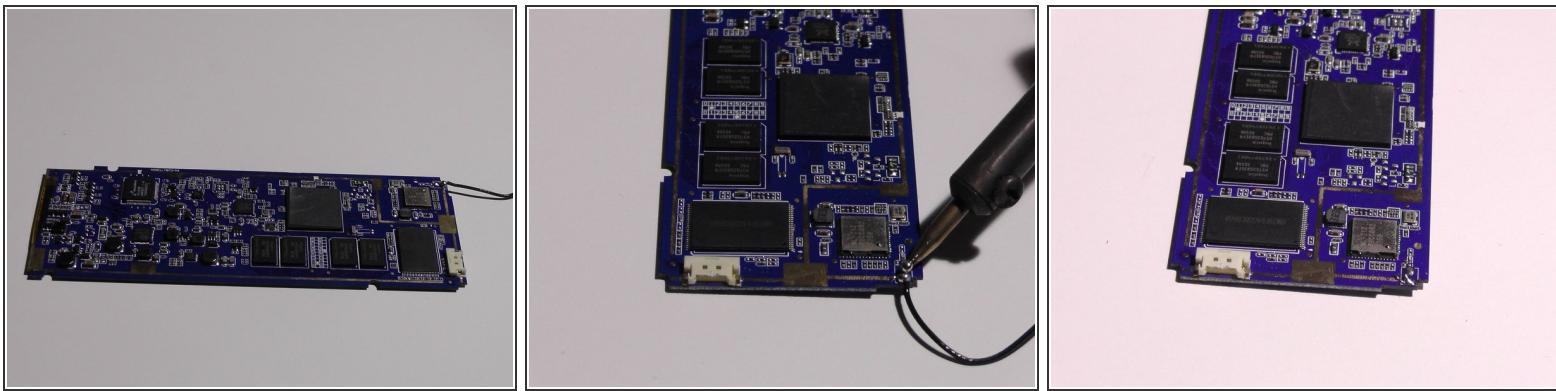
- Use the flat end of the plastic spudger to remove the motherboard and turn it upside-up.

Step 14



- Remove the plug from the motherboard socket.

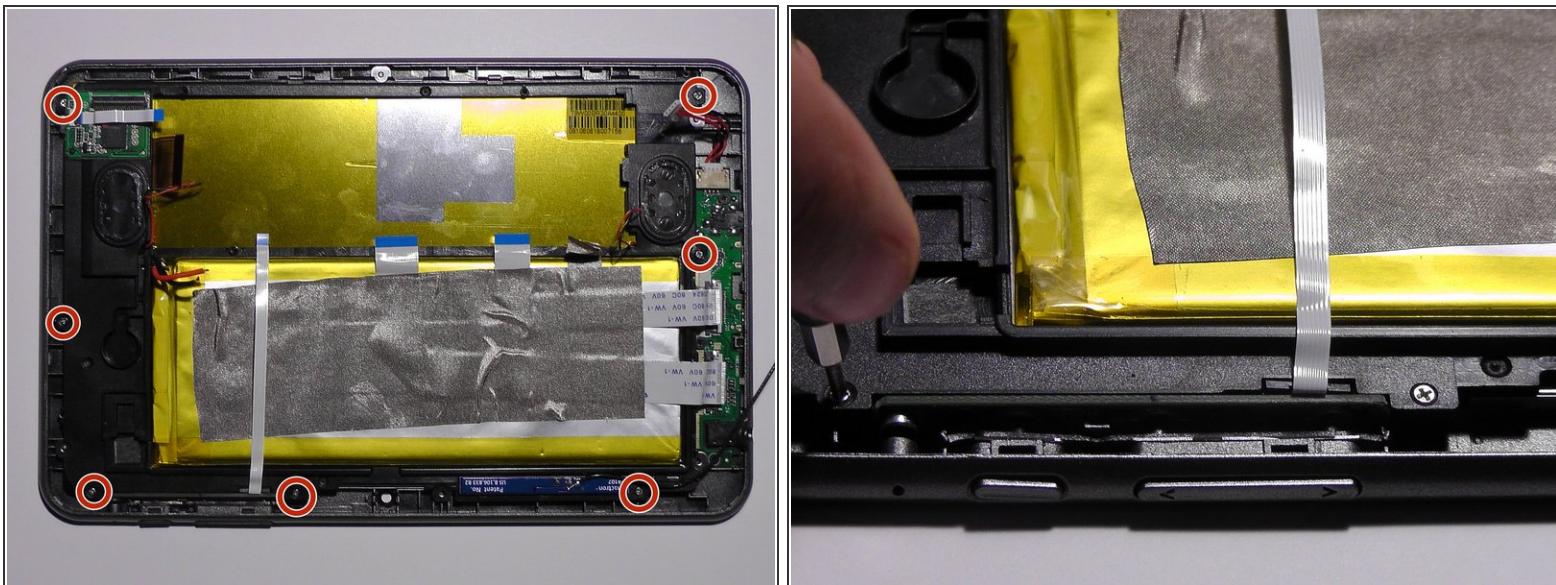
Step 15



- 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.

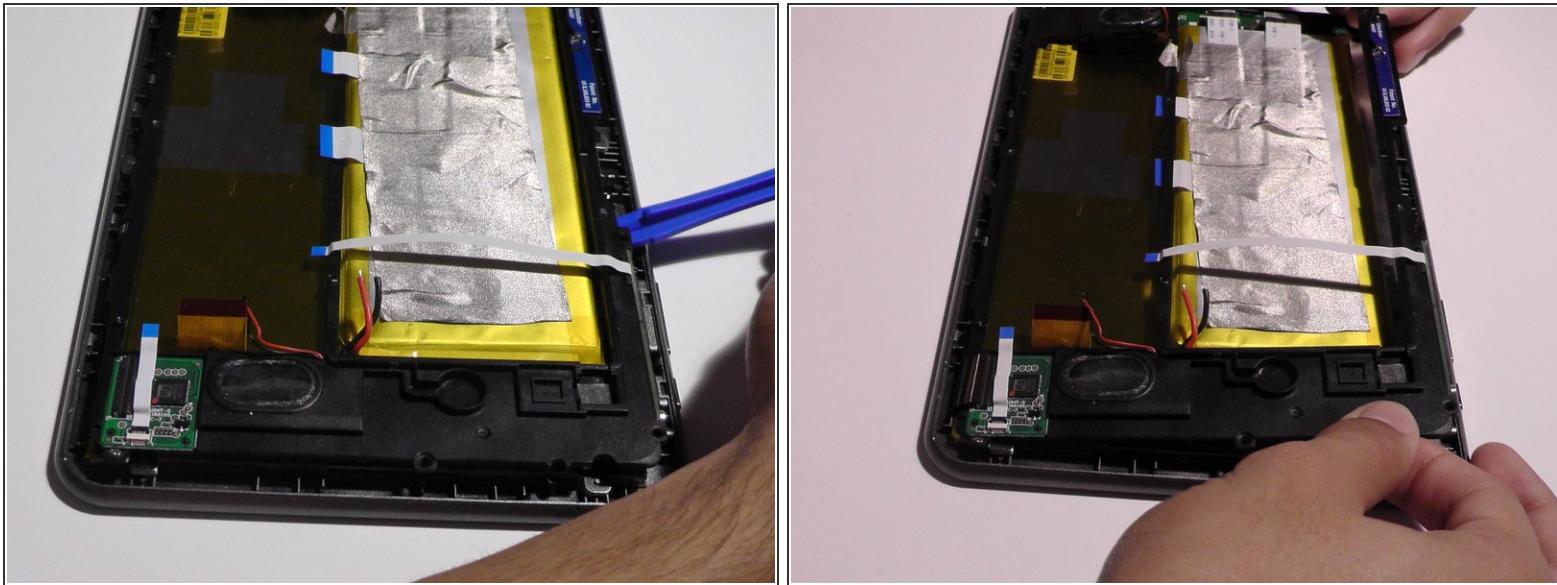
Step 16 — Battery & LED screen



- Remove the screws with a J000 screwdriver

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

Step 17



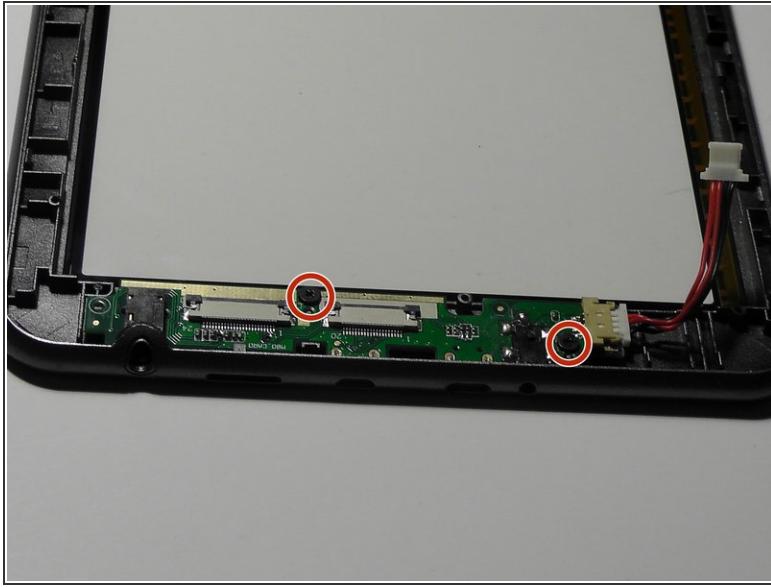
- Use the plastic removal tool to remove the plastic frame.

Step 18



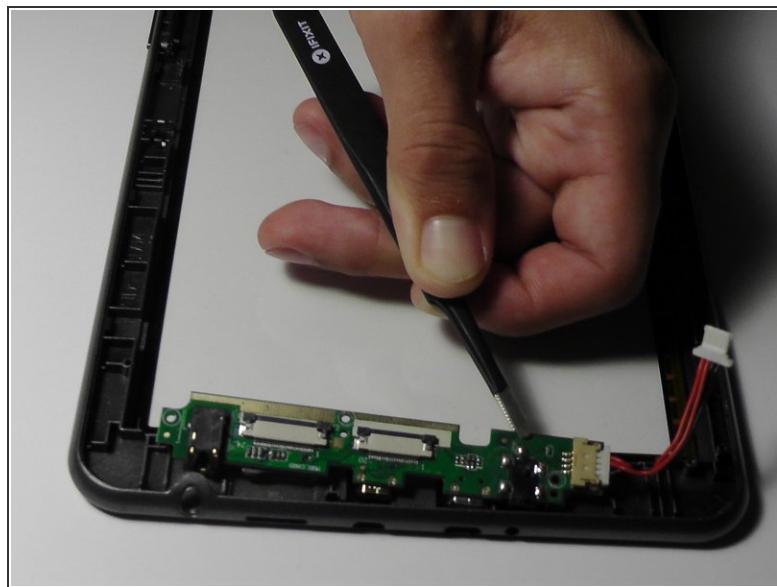
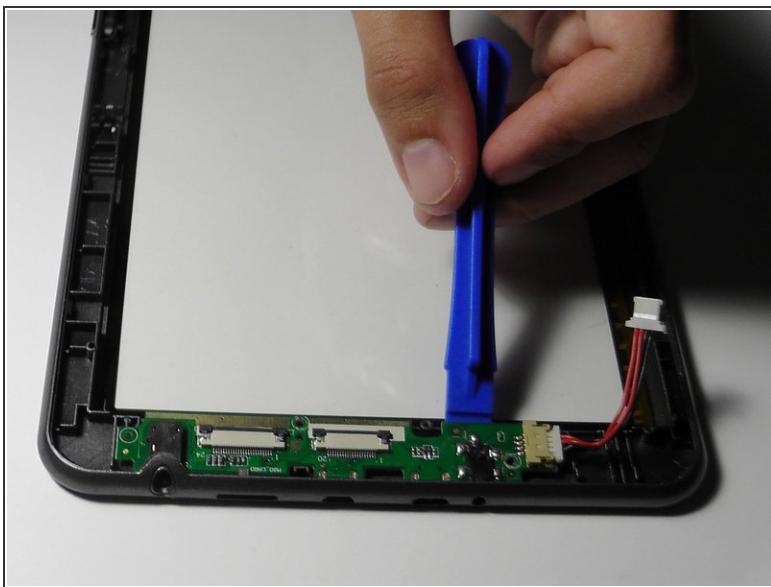
- Using the plastic removal tool, lift the LED screen from the battery side, and use the tweezers to help lift the LED screen upwards.

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.

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