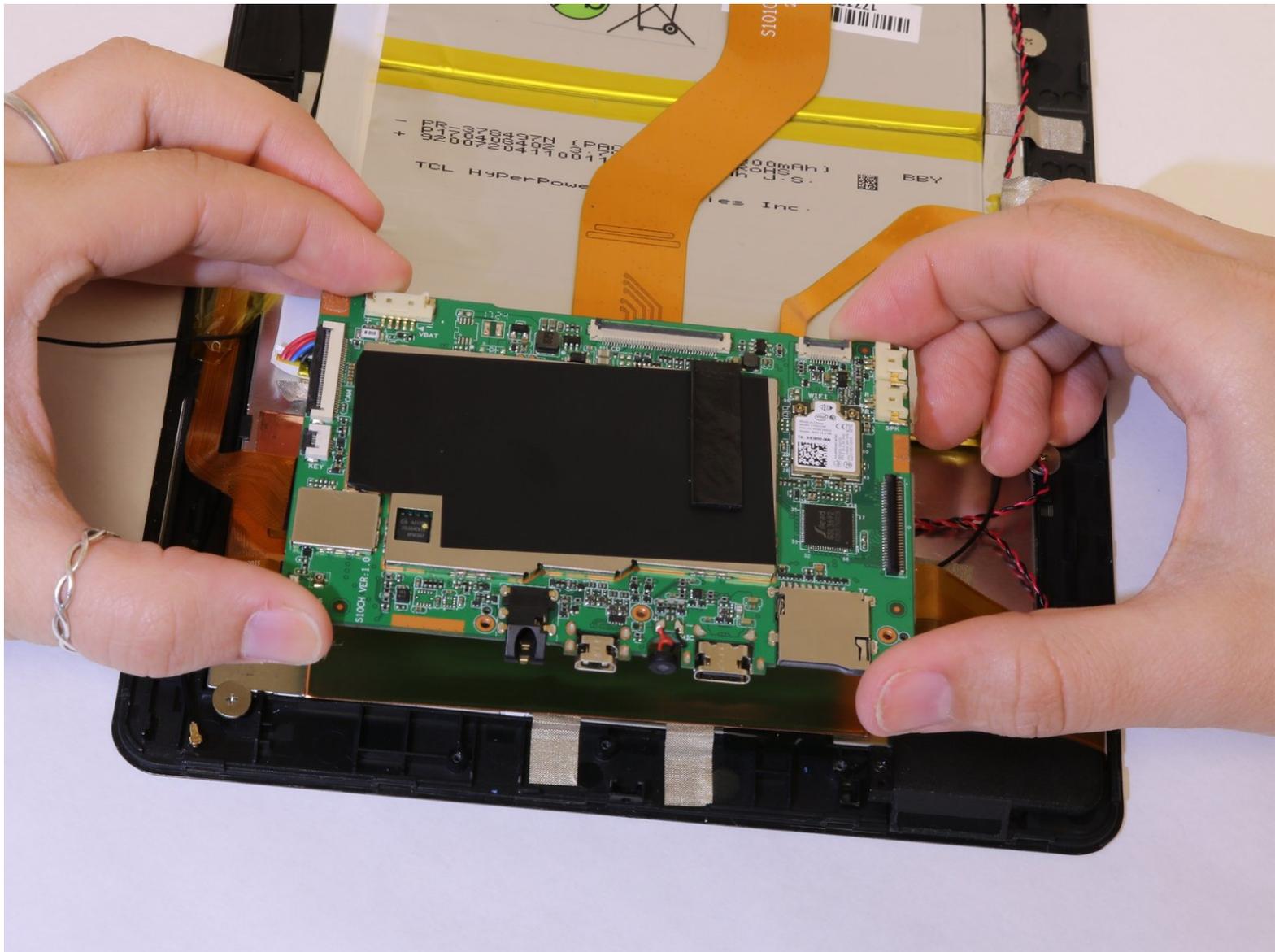




Insignia Flex 10.1 NS-P10W8100 Motherboard Replacement

How to replace an Insignia Flex 10.1 NS-P10W8100 motherboard.

Written By: Edgar Rodriguez



INTRODUCTION

The Insignia Flex 10.1 NS-P10W8100 motherboard is connected to several Zero Insertion Force (ZIF) connectors and ribbon cable connectors. Be sure you have unplugged every connector before attempting to free the motherboard.

TOOLS:

- [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
 - [Phillips #2 Screwdriver](#) (1)
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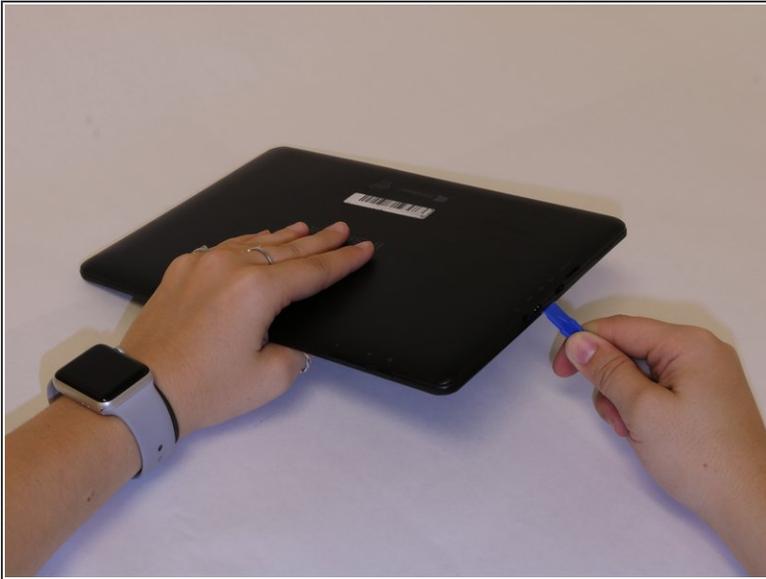
Step 1 — Motherboard



- Carefully open the laptop and remove the keyboard by disconnecting it.
- Place keyboard to the side as you will not need it.

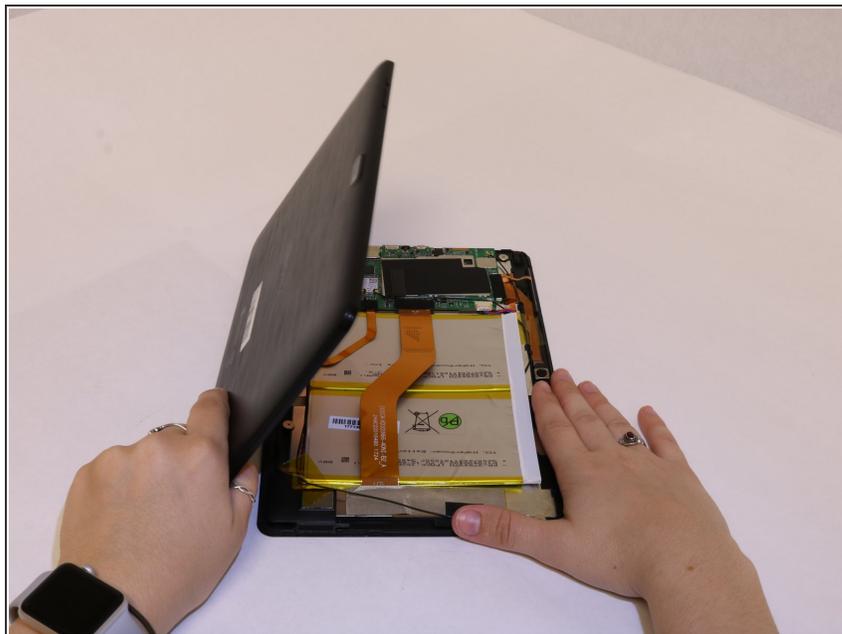
 Beware of plastic clips on the side of the device.

Step 2



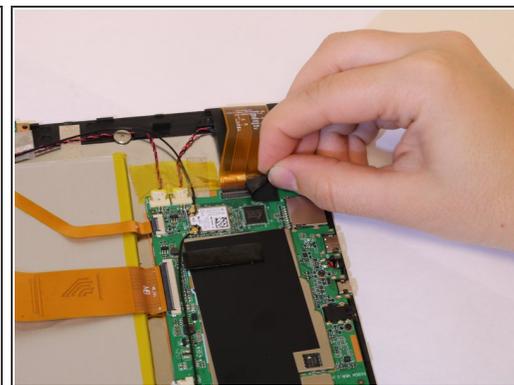
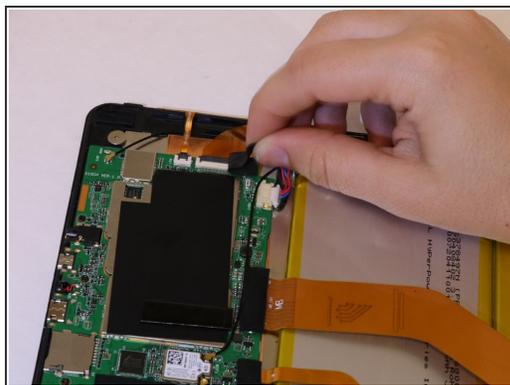
- Lay the screen flat on its surface and use the iFixit opening tool to remove the cover by gently prying the back cover from the screen.
- ⓘ Apply the opening tool to the edge closest to the screen.
- ⚠ Apply the opening tool to each side which will help pry the back cover evenly.
- ⚠ Do not pry on the bottom side of the device. This is the side across from the camera.

Step 3



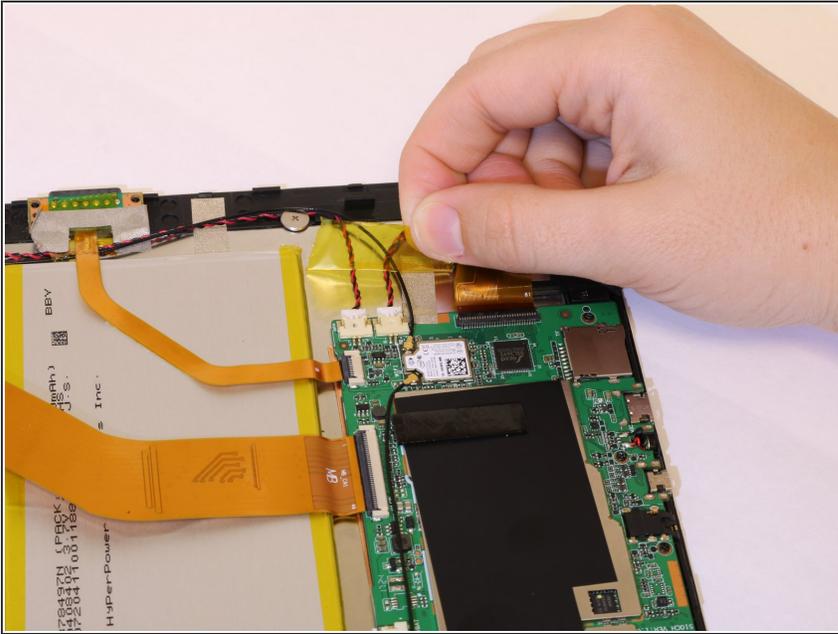
- Use your fingers and pry the back cover from the screen. You may need to wiggle the cover a bit to separate the pieces.
 - If the back cover does not come off, work your fingers around the corners and slowly pry the cover off using your fingers.
- ⚠** Be careful with potential sharp edges and any exposed electrical components.

Step 4



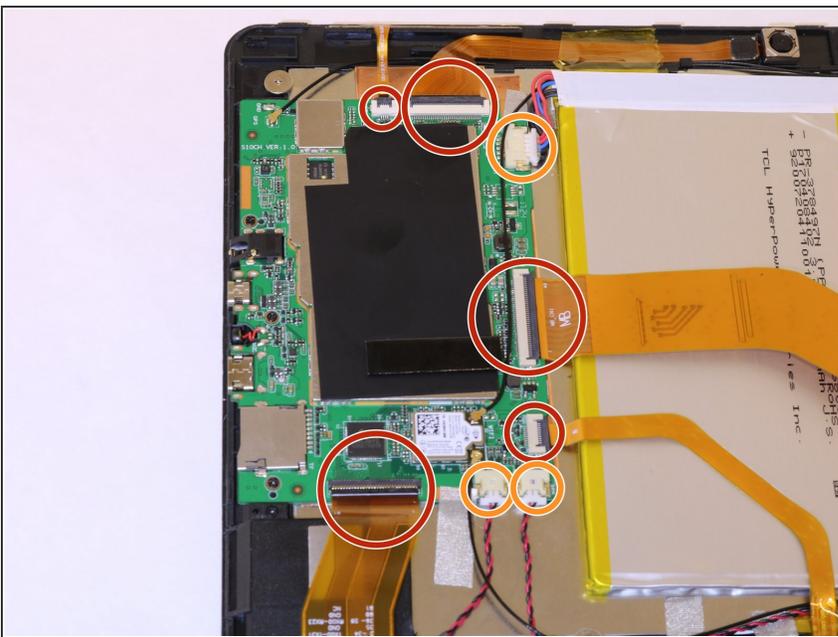
- Gently remove the black tape from each of the three connectors.
- i** It may help to move around the motherboard in a clockwise direction to remove each piece of tape.

Step 5



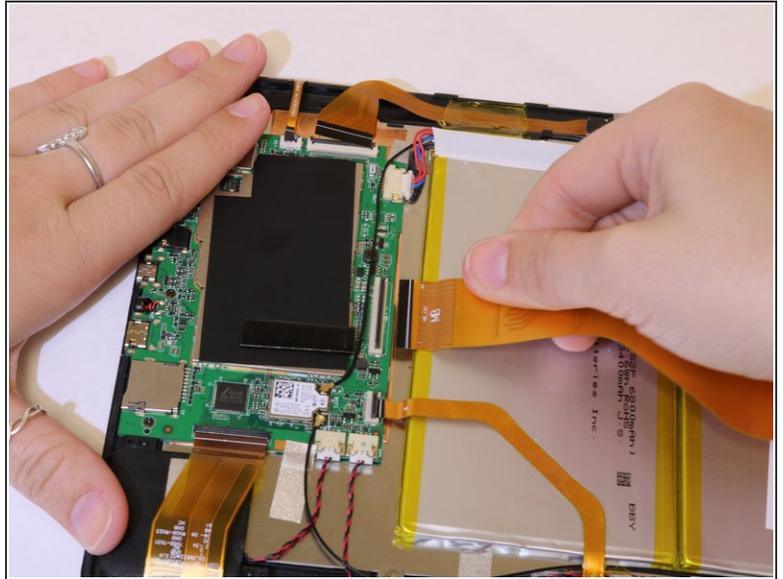
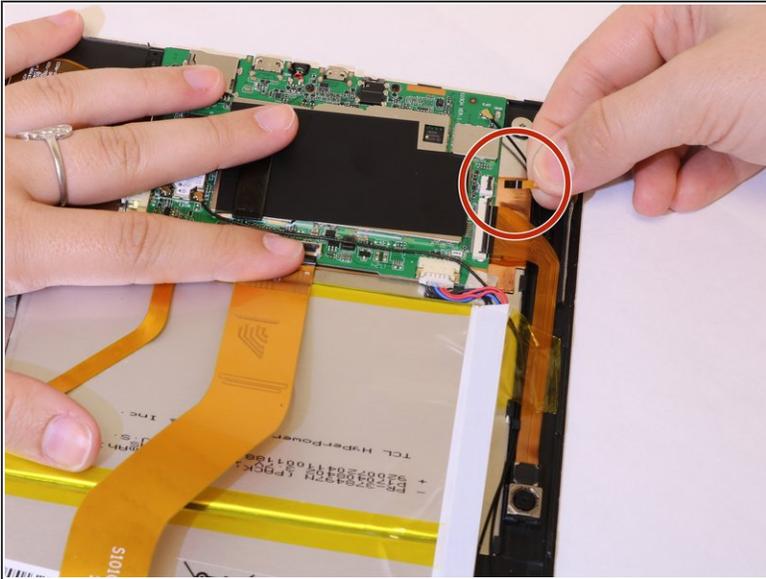
- With a fingernail, gently remove the yellow tape from across the speaker wires.

Step 6



- Once the pieces of tape are removed the resulting motherboard should look like this picture.
- The ZIF connectors will be removed in a clockwise motion.
- Secondly, the ribbon cable connectors will be unplugged to isolate the motherboard.

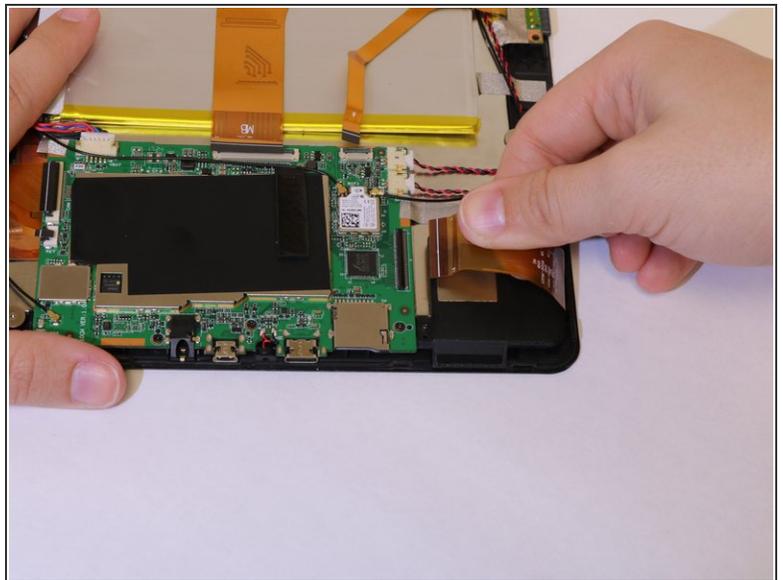
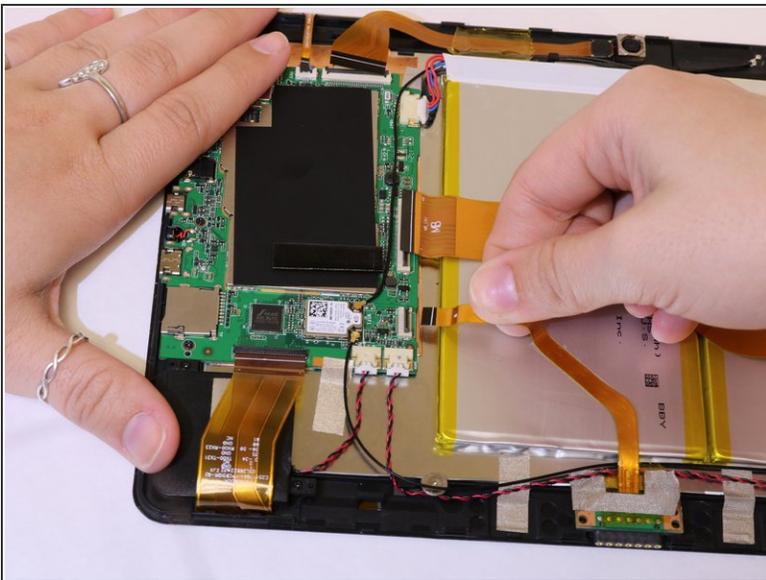
Step 7



- Unplug the smallest ZIF Connector by using you fingernail to flip up the small locking flap. Then safely pull the cable out.

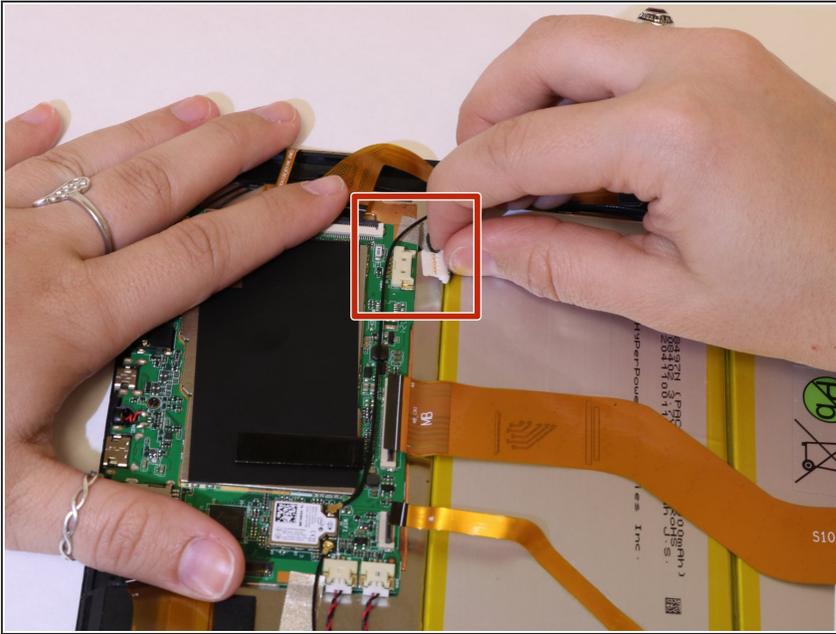
⚠ Be careful not too pull too hard as the ZIF Connector is fragile and can be damaged easily.

Step 8



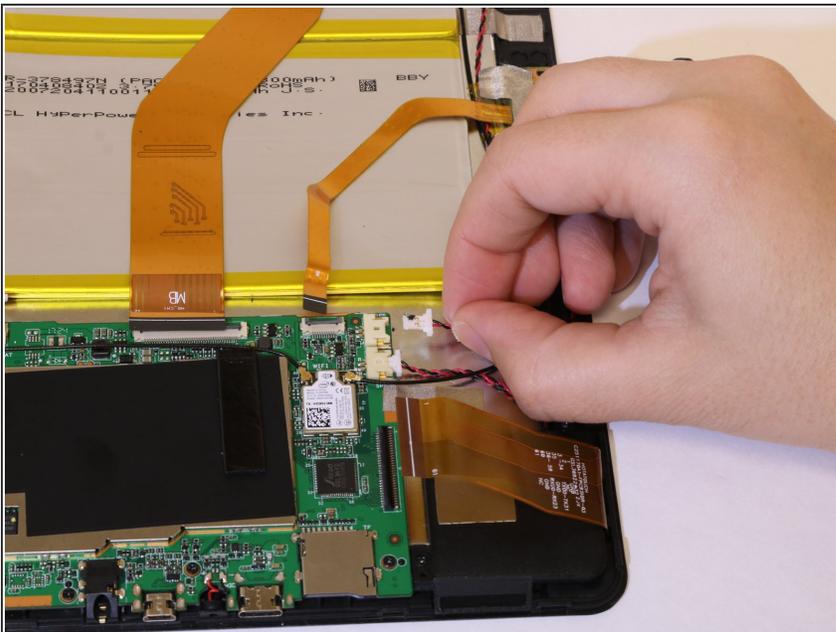
- Following a clockwise direction, continue unplugging the ZIF connectors by safely puling the cable out.

Step 9



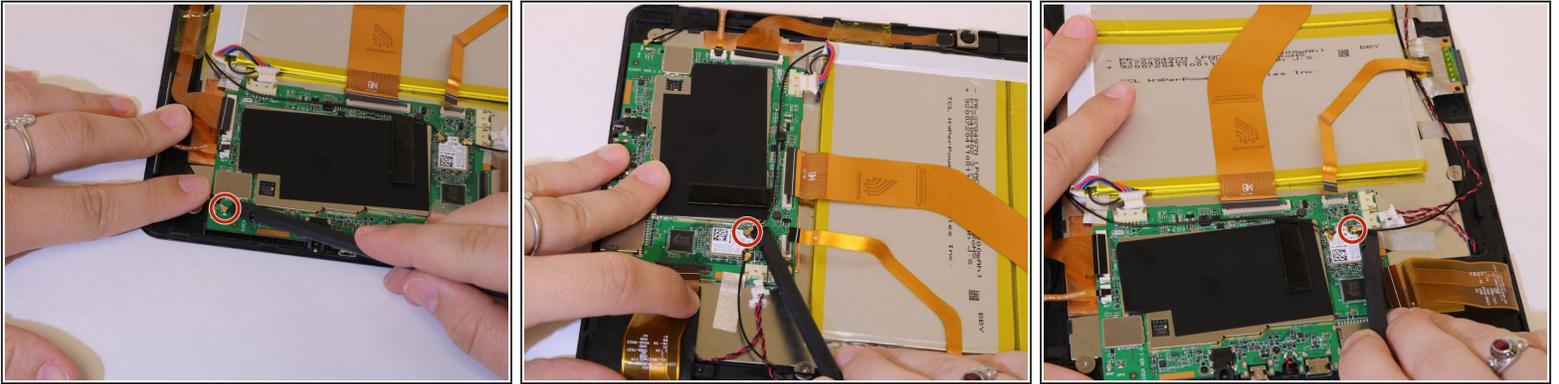
- Remove the ribbon cables by firstly disconnecting the cable located on the top right of the motherboard,
- ⚠ Be careful not to forcefully yank the cable as it could cause a wire to disconnect.

Step 10



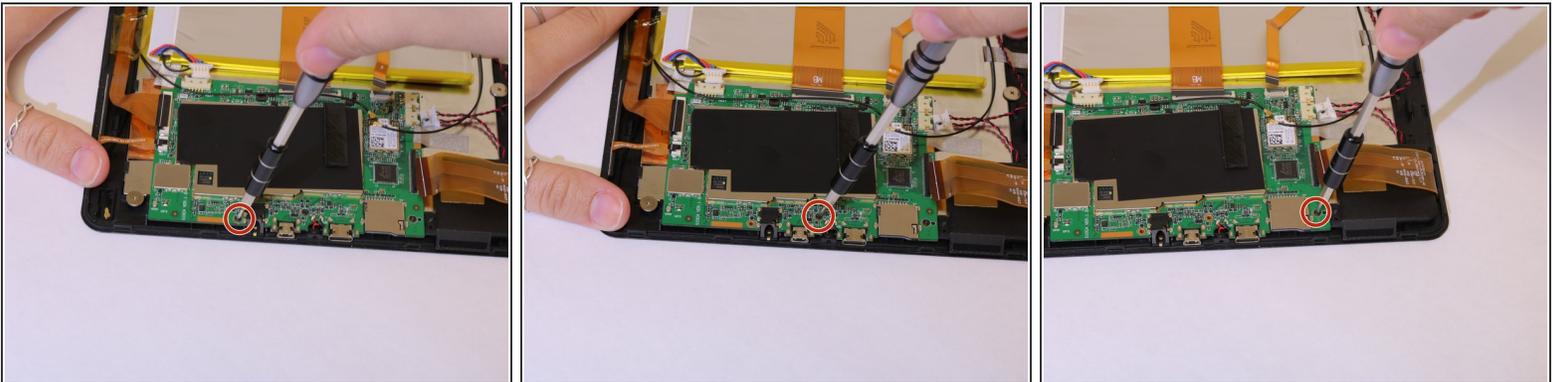
- Remove the remaining two bottom ribbon cables.

Step 11



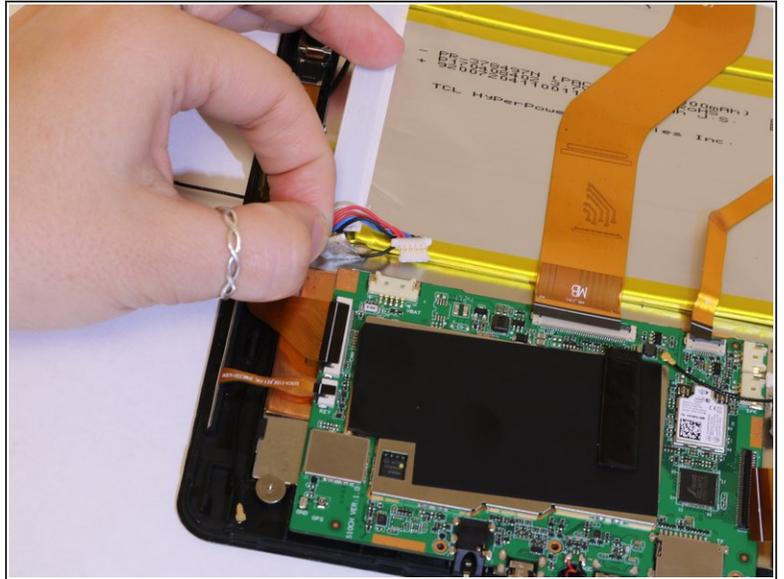
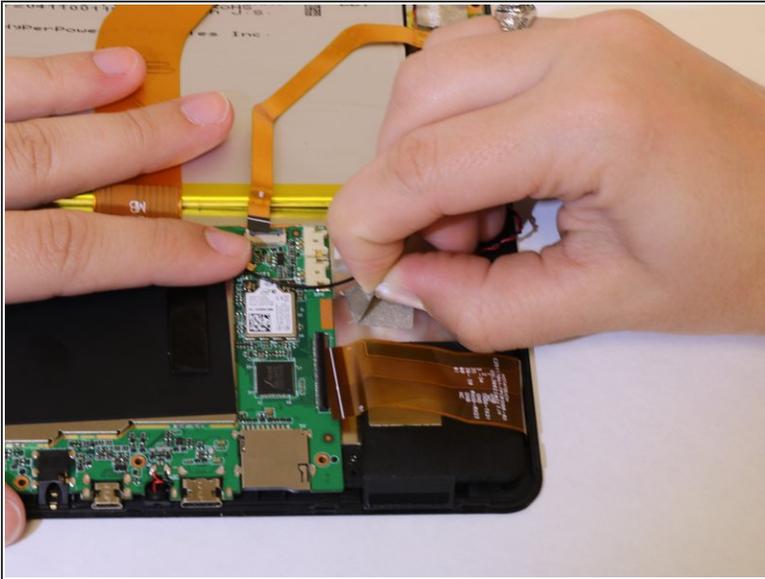
- Disconnect the three low profile connectors by using a spudger to prop up both sides. Then, lift the connectors straight up from their sockets.

Step 12



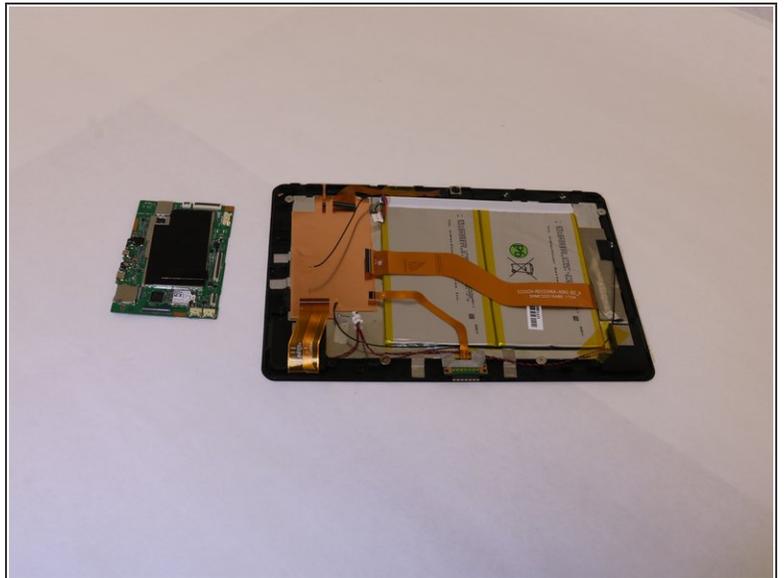
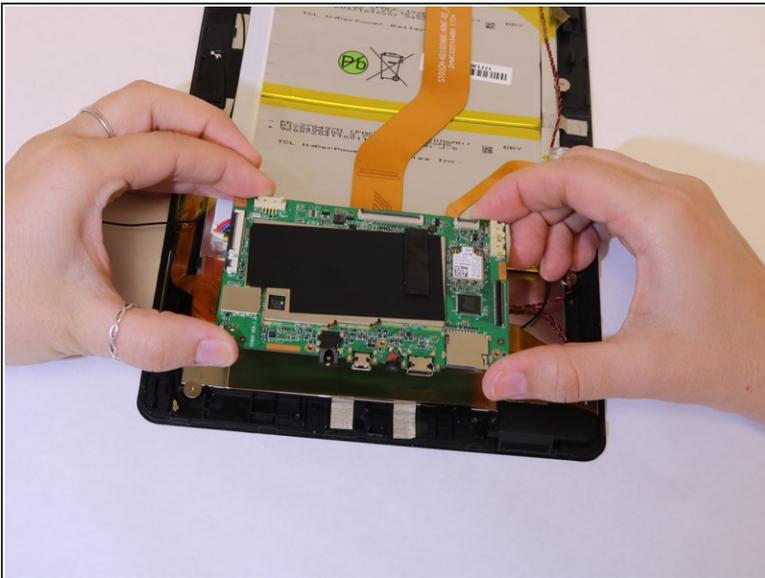
- Using a Phillips #2 screwdriver, remove the three 4 mm screws to free the motherboard.

Step 13



- Pull the two pieces of grey tape off the motherboard.

Step 14



- Remove the motherboard by lifting it upward.

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