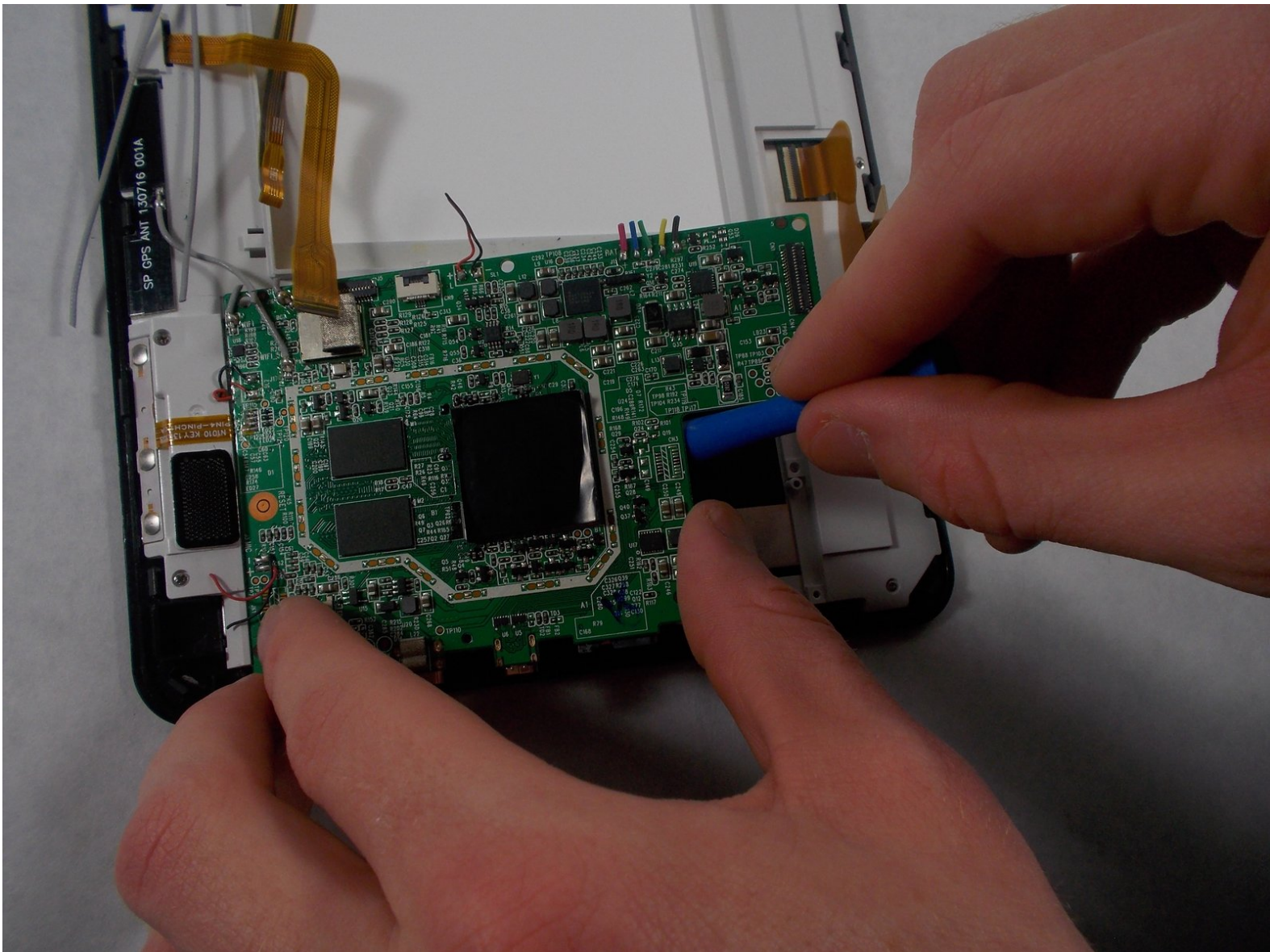




Insignia Flex 10.1 Motherboard Replacement

Replace the motherboard of your Insignia Flex 10.1 tablet.

Written By: William Boyden



INTRODUCTION

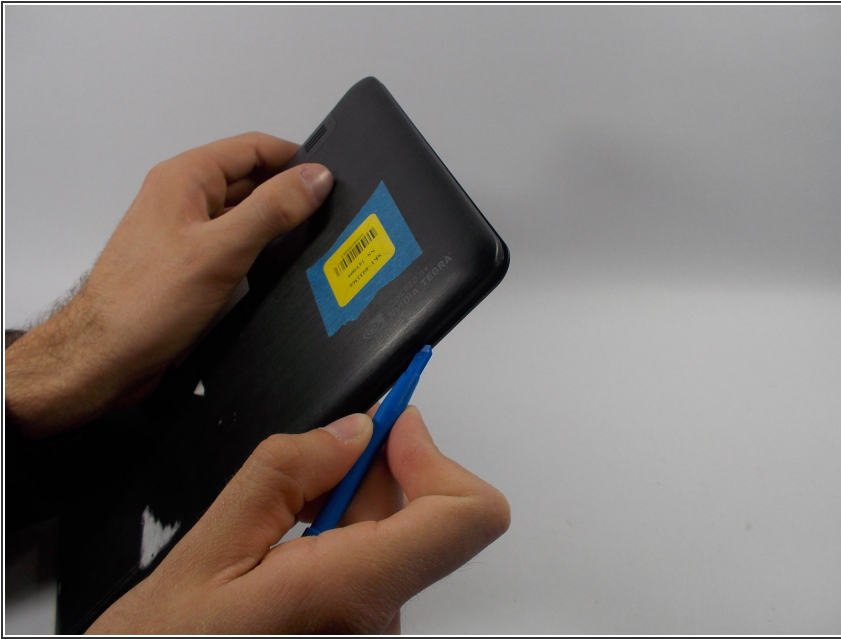
This guide shows how to replace the motherboard of your Insignia Flex 10.1 tablet.




TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [Soldering Iron](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Motherboard



 Please be aware that removing the rear panel from the back of the Flex 10.1 may cause damage to the rear panel.

Step 2



- The rear panel is secured to the front case by 26 clips attached to the rear panel. These clips lock onto

small tabs machined into the front case.

- To free the tabs, they must be pushed toward the center of the device. When using the plastic opening tool to free the rear panel, be sure to work the tool at the location of these clips.
- Remove back cover by inserting a plastic opening tool along the edge of the device to release the clips.

Step 3



- Opening the Flex 10.1 can be challenging. Don't get discouraged if it takes multiple attempts before the Flex 10.1 is opened.
- Insert the plastic opening tool into the seam between the front case and the rear panel of the Flex 10.1.
- Gently enlarge the existing gap by pressing and wiggling the plastic opening tool into the gap near each of the clips attached to the rear case, pushing the clips toward the center of the device until the clips have been freed.
- Repeat the same procedure to free all clips around the Flex 10.1.

Step 4



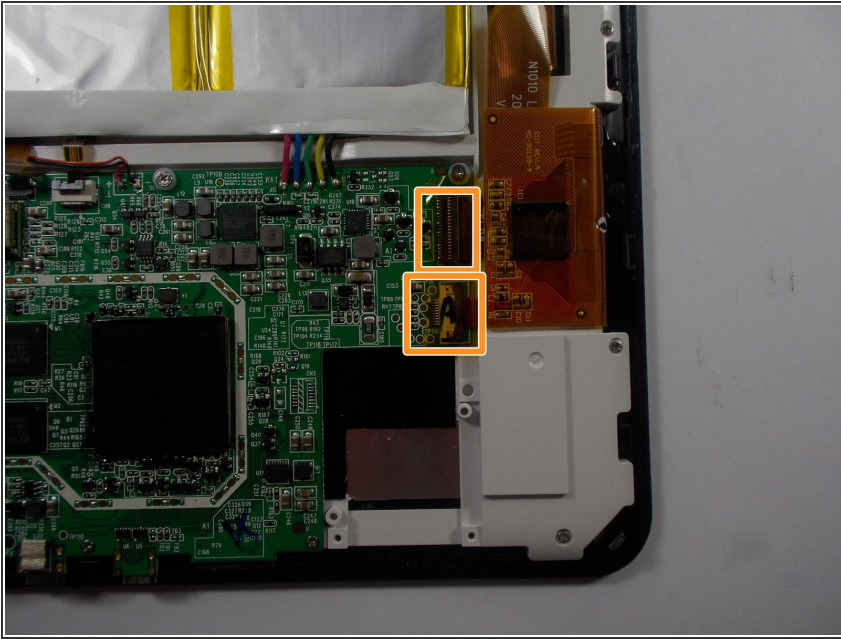
- After ensuring all clips are free, separate the two halves of the Flex 10.1.
- The rear panel is now free from the Flex 10.1.

Step 5



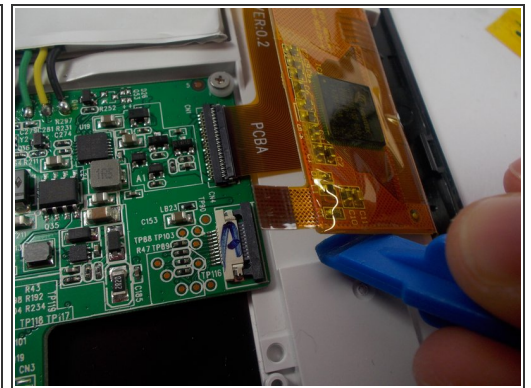
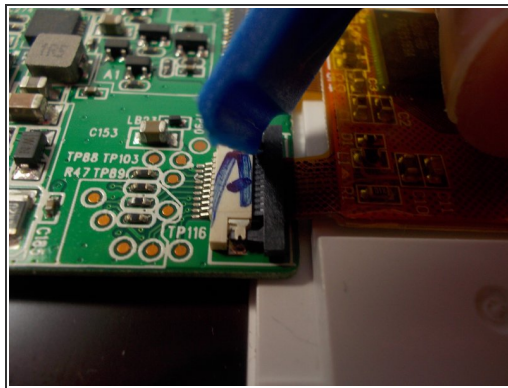
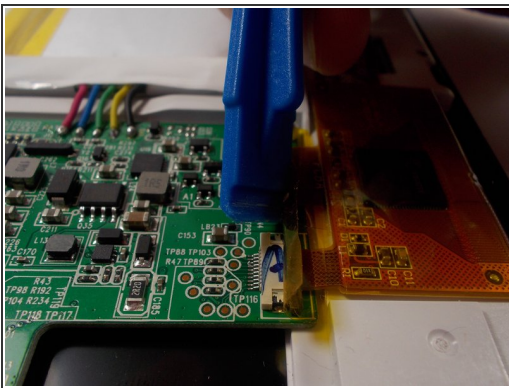
- With the rear panel removed, the back side of the Flex 10.1 should look like this.

Step 6



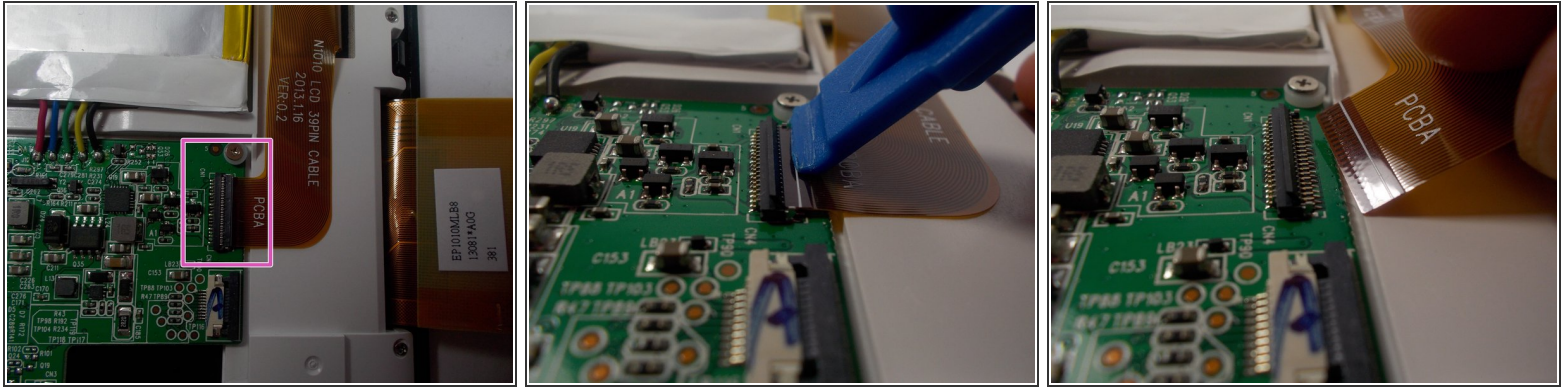
- Peel off the tape covering the two connections labeled in orange.

Step 7



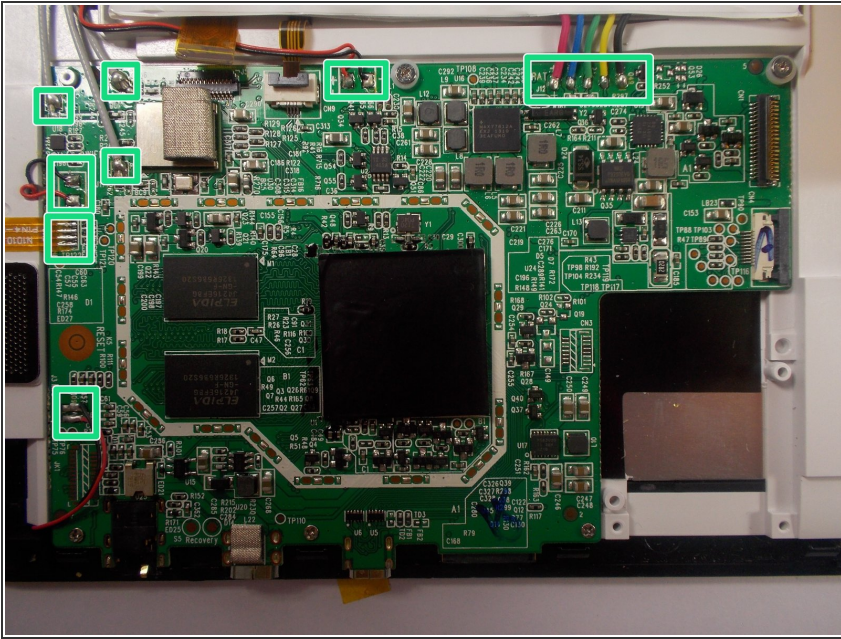
- Remove the ribbon cable by lifting up on the connection with a plastic opening tool and pulling out the ribbon cable.

Step 8



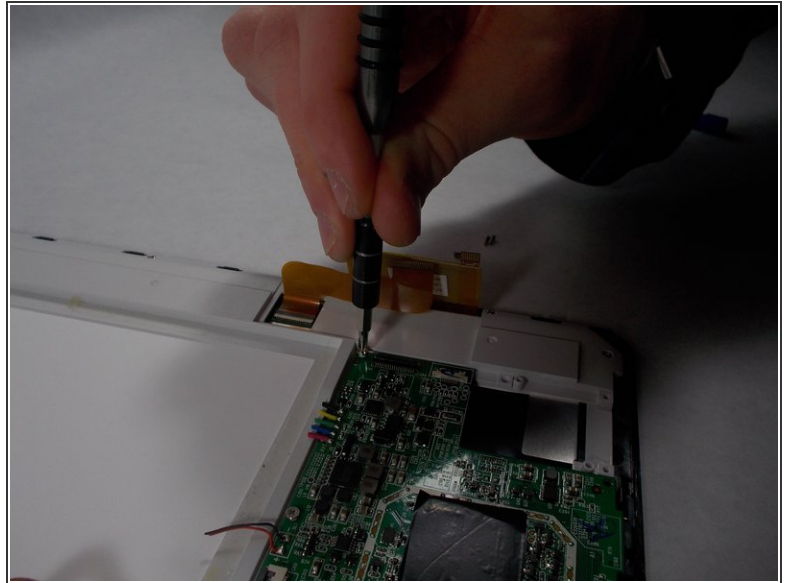
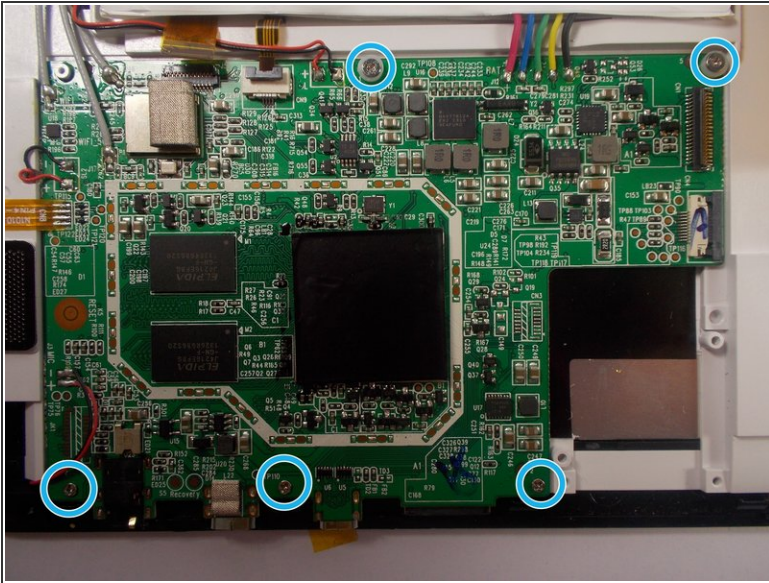
- Remove the ribbon cable by lifting up on the connection with a plastic opening tool and pulling out the ribbon cable.

Step 9



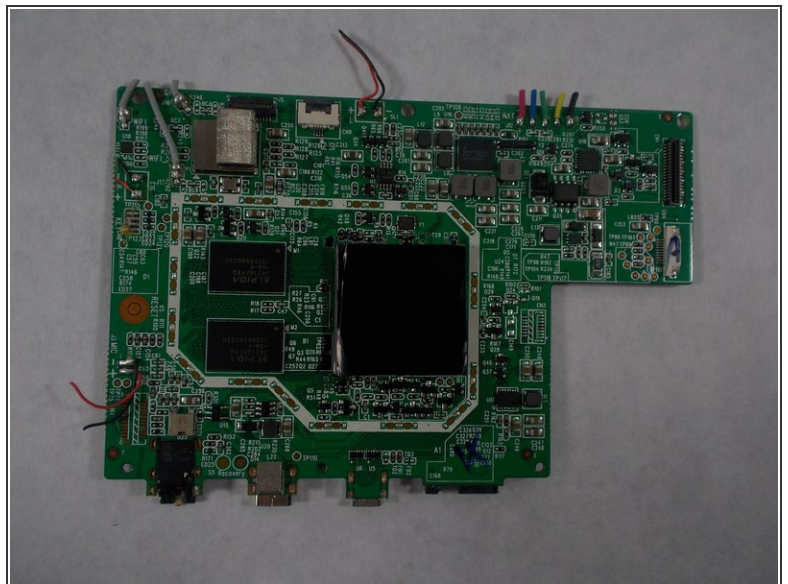
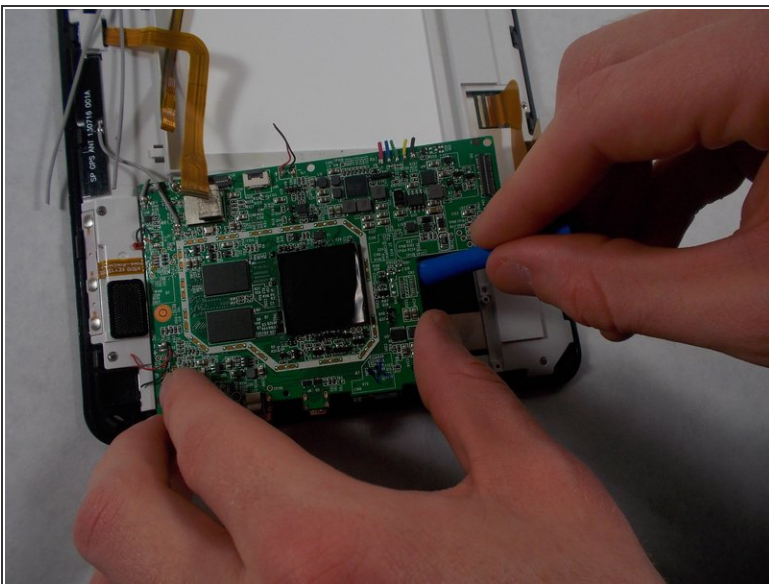
- i** Those who are new to soldering may want to check out iFixit's soldering technique guide. [How To Solder and Desolder Connections.](#)
- Unsolder the 18 solder joints labeled in GREEN in the picture. Begin by heating up each solder joint on the motherboard.
- When the solder melts and the wire is free from the motherboard, immediately lift the solder tip off the connection to avoid damage.
- !** Due to the fragile nature of electronic components, it is important to limit the amount of heat transferred from the soldering iron to the motherboard. A simple way to accomplish this is to pull the wires with gentle continuous tension while the soldering iron heats up the connection.

Step 10



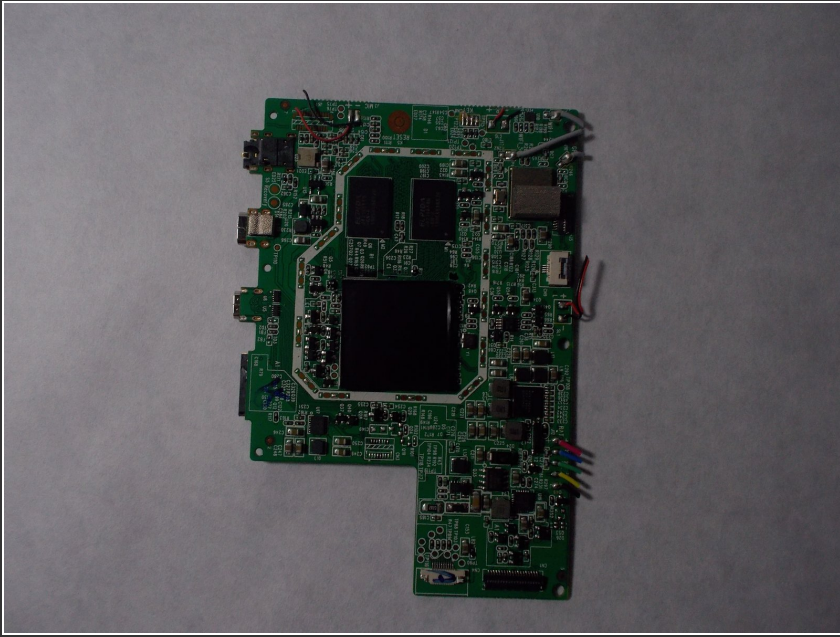
- Use a Phillips head #0 screwdriver to unscrew the 5 philips head screws labeled in BLUE.

Step 11



- The motherboard is now free. Lift the motherboard with your hands or a plastic opening tool.
- The motherboard can now be replaced.

Step 12



- The motherboard is now free and should look like this.

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