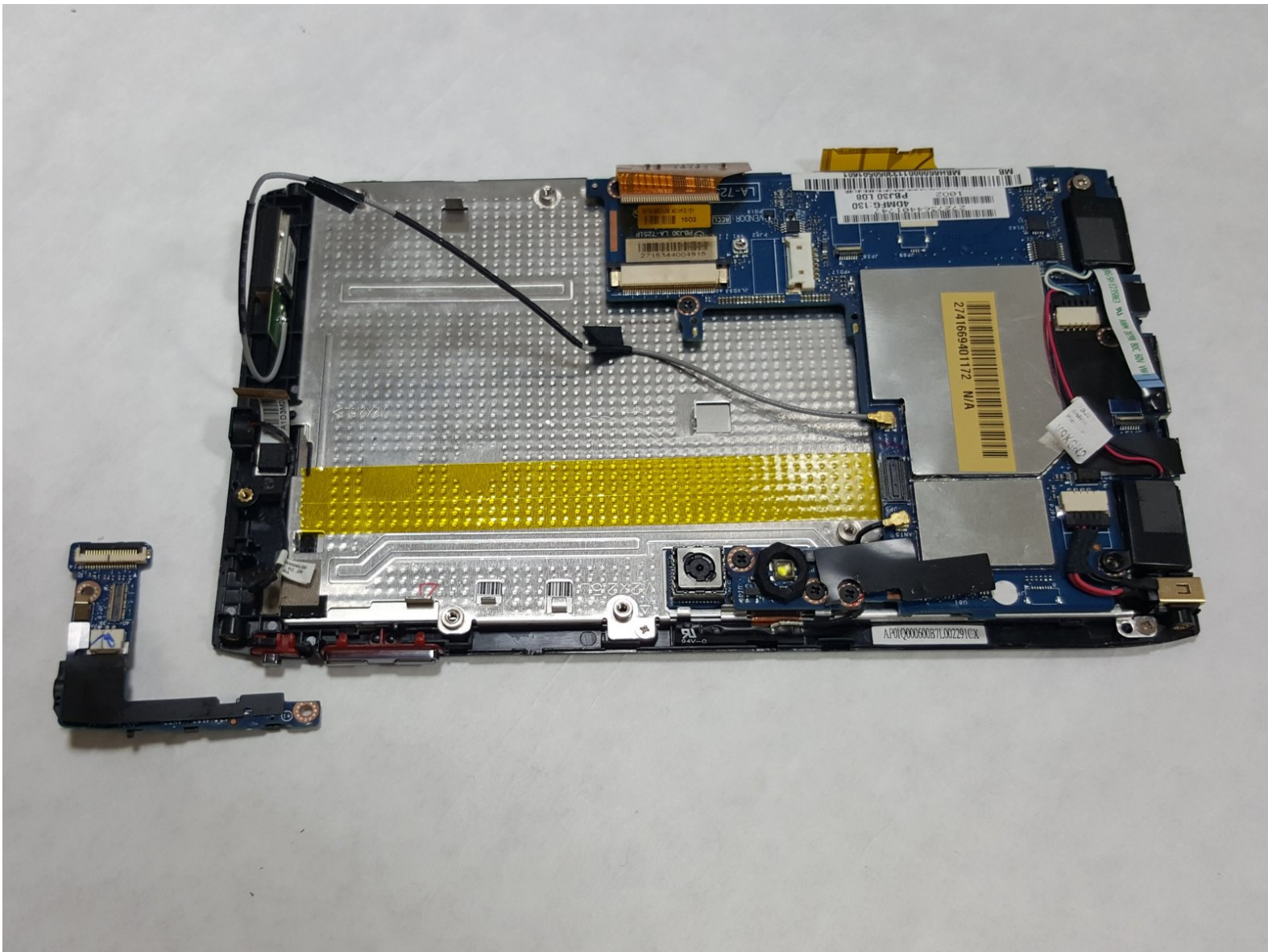




Acer Iconia A100 I/O Board Replacement

While I/O Board failure is uncommon, if the...

Written By: Bree Abernathy



INTRODUCTION

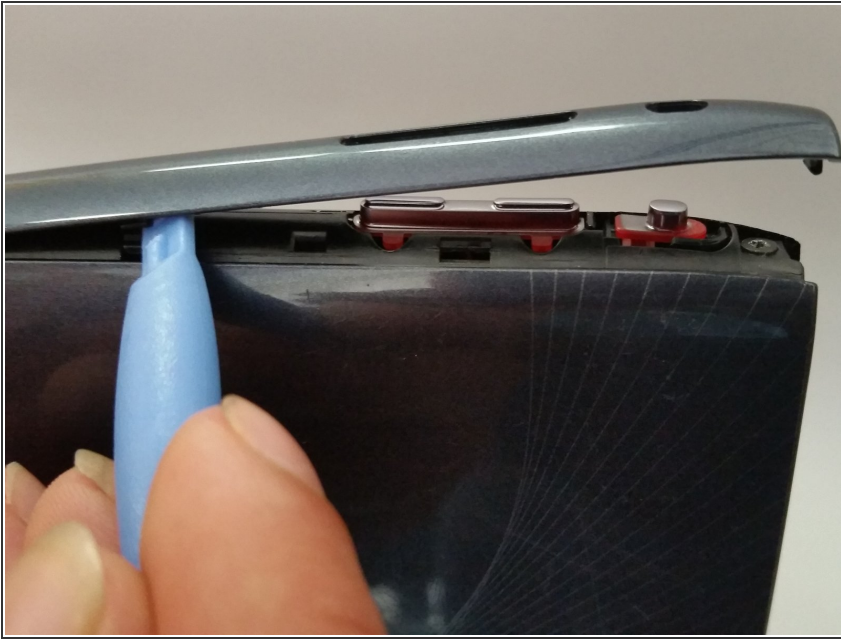
While I/O Board failure is uncommon, if the light sensor, microphone, RF and 3G are all failing, you may need to replace the I/O Board in your Acer Iconia Tab A100.



TOOLS:

- [iFixit Opening Tool](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Metal Spudger](#) (1)
-

Step 1 — Battery



- Start at any side of the tablet.
 - Begin to take apart the tablet with a plastic opening tool along the sides of the tablet.
 - Work your way around the tablet.
- i** There are four side pieces in total.

Step 2



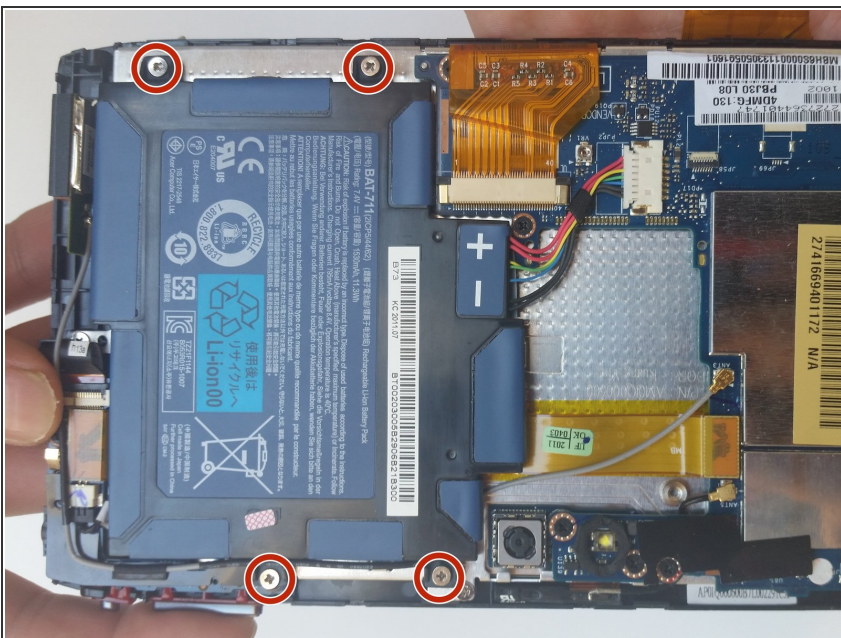
- Remove the five 4 mm screws from the edges of the tablet with a Phillips #00 screwdriver.

Step 3



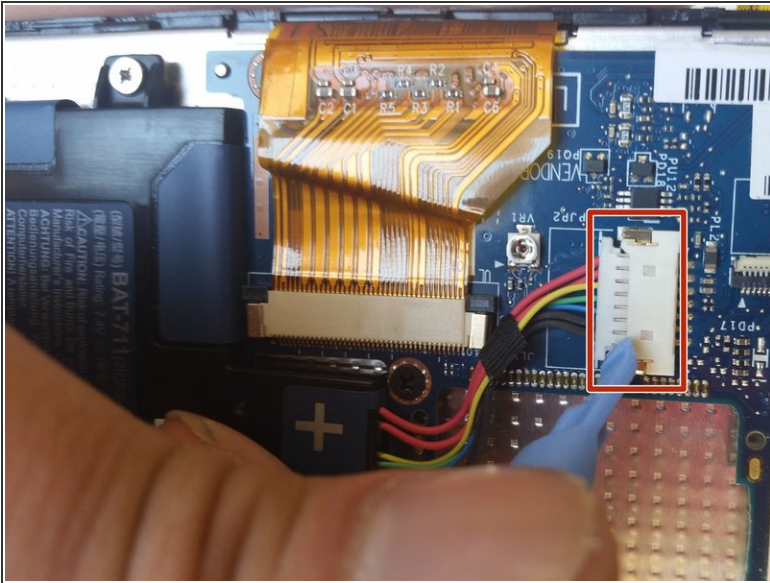
- Carefully separate the back piece from the device using a plastic opening tool.
- ☑ Remember to open along the entire perimeter of the tablet.

Step 4



- Turn the tablet over so that the battery is facing upwards.
- Remove the four 4mm screws located around the battery.

Step 5

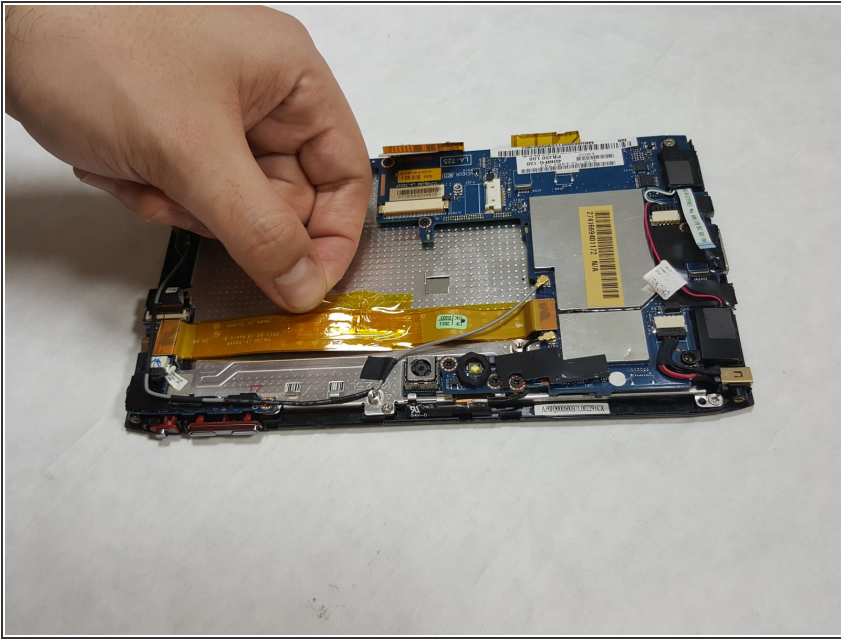


- Use the tip of a plastic spudger or opening tool to gently push the connector head out of its socket.
- Use your fingers or the flat edge of a plastic opening tool to lift the battery up and off of the device.

⚠ Be sure to not have any water around the device while removing the battery.

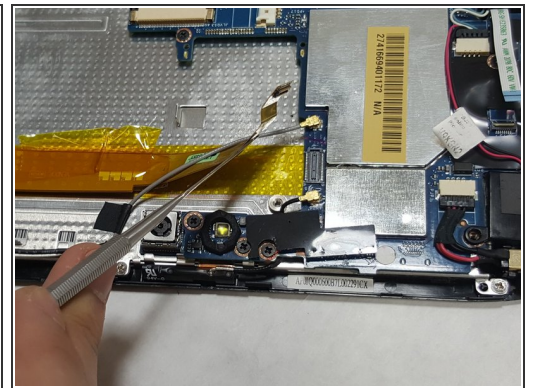
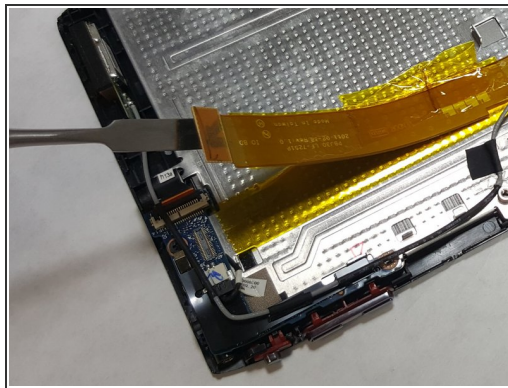
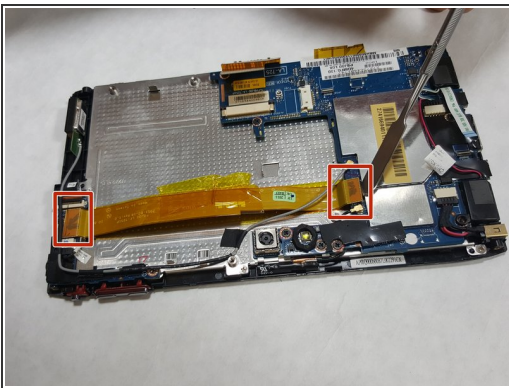
⚠ Be sure to be cautious while removing the battery and remove carefully; avoid ripping the wires attached to the battery.

Step 6 — I/O Board



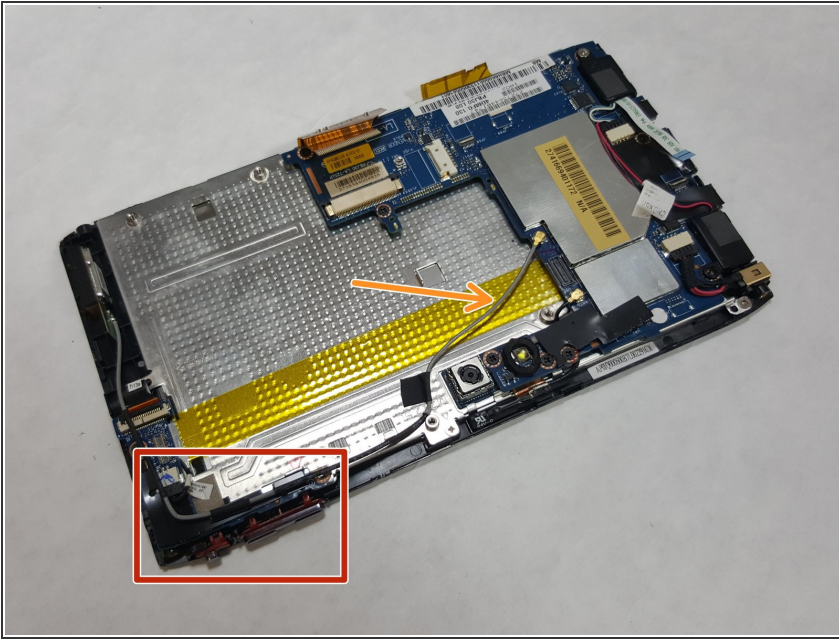
- Gently peel off any tape securing the FPC to the main plate.

Step 7



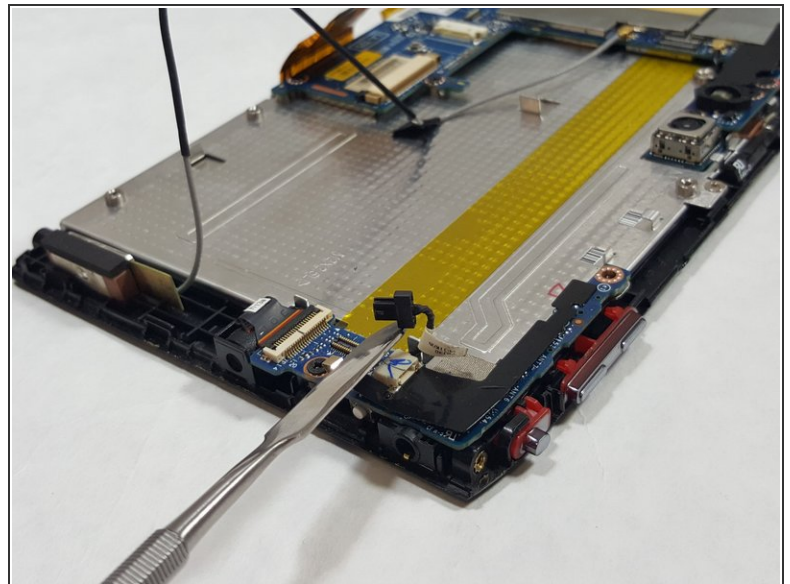
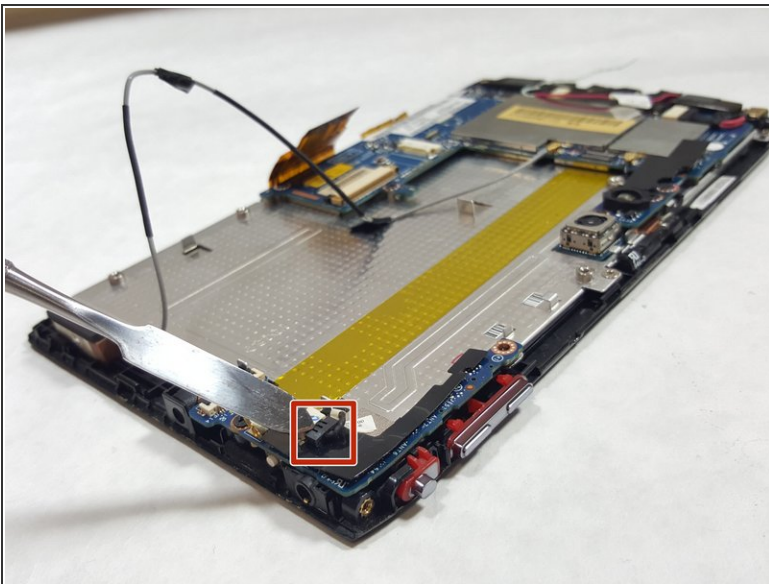
- Locate the two connectors at each end of the FPC.
 - Use the flat edge of a spudger tool or your fingernail to gently pry each connector straight upwards out of its socket, then remove the FPC cable from the unit.
- ⚠ While a metal spudger tool is shown here, it is best to use a *plastic* spudger / opening tool when possible, and only use a metal spudger as a last resort!
- ⓘ You should now see the yellow-colored strip on the metal base marking the location of the FPC

Step 8



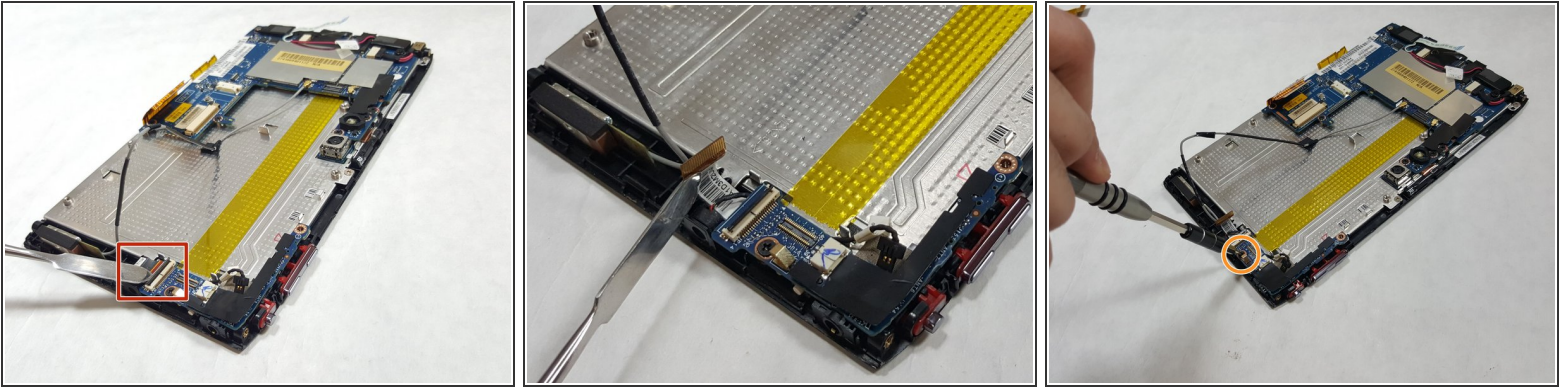
- Locate the L-shaped I/O Board.
- Locate the gray 3G Antenna wire.
- ⓘ If the gray 3G Antenna wire is connected to your I/O Board, disconnect it. If for some reason the 3G Antenna wire is *already disconnected* from the I/O Board (as it was in this device) simply lift it out of the way.

Step 9



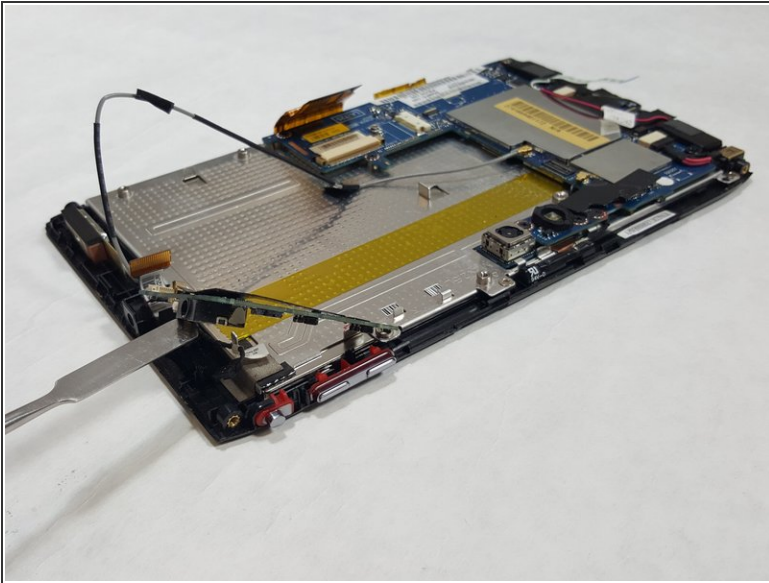
- Locate the microphone cable.
- You should be able to gently pull it out of its socket using only your fingers.
- ⓘ The spudger is used in the photo merely to hold up / identify the disconnected mic cable head.

Step 10



- Locate the light sensor connector.
 - Use the tip of a spudger or your fingernail to lift up and flip the small retaining flap on the connector. The light sensor ribbon cable should now be free, so simply pull it out.
- ⓘ This is a **ZIF (zero insertion force)** connector, which requires no force to remove / plug in the connector.
- ⚠ Please make sure you lift up on the small retaining flap on the connector, not the connector itself!
- Use a Phillips #00 screwdriver to unscrew the single 3.0mm Phillips screw next to the light sensor connector.

Step 11



- Carefully lift the I/O Board off the device.

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