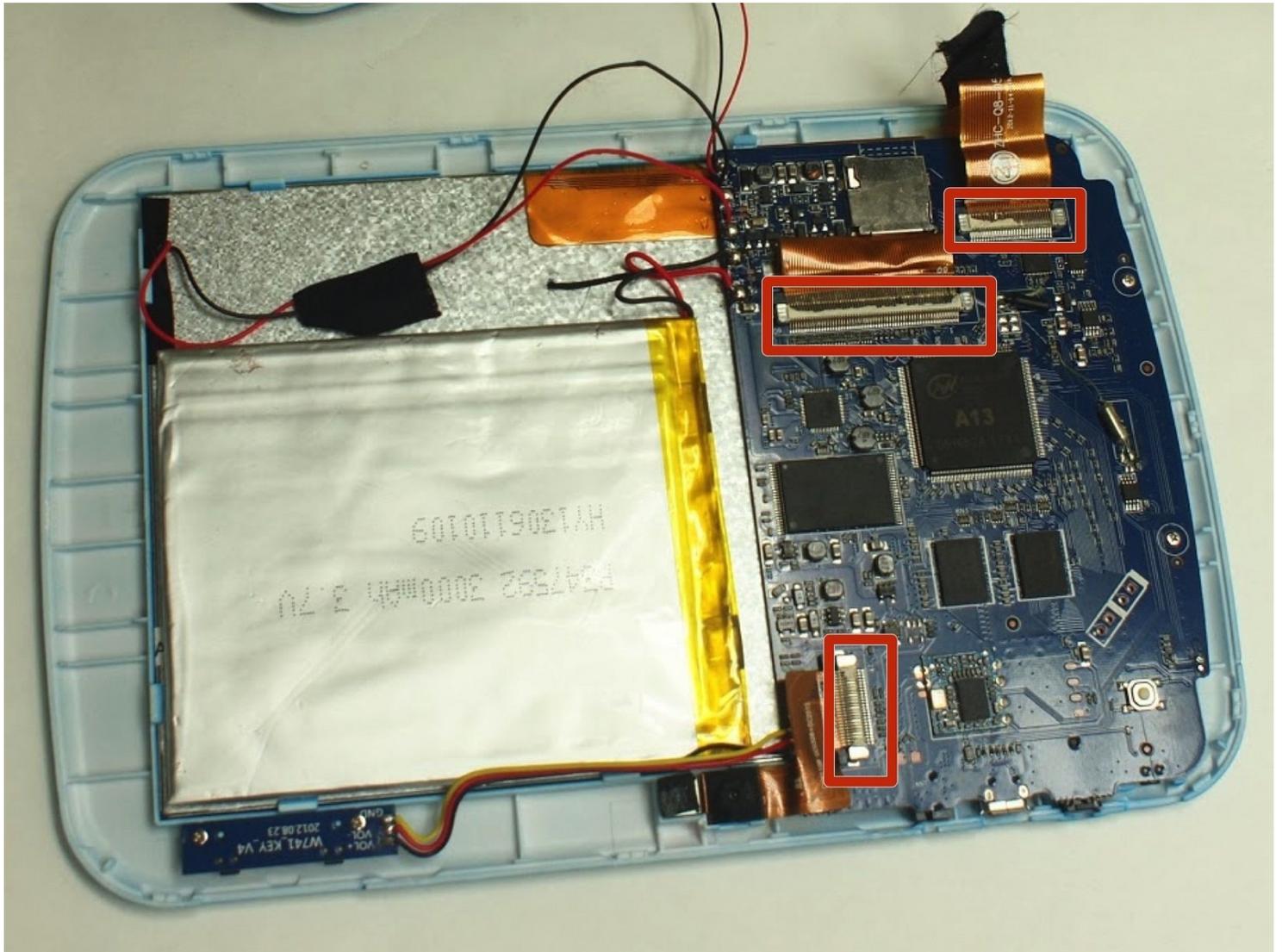


Munchkinz Motherboard Replacement

Written By: Austin Oliveira



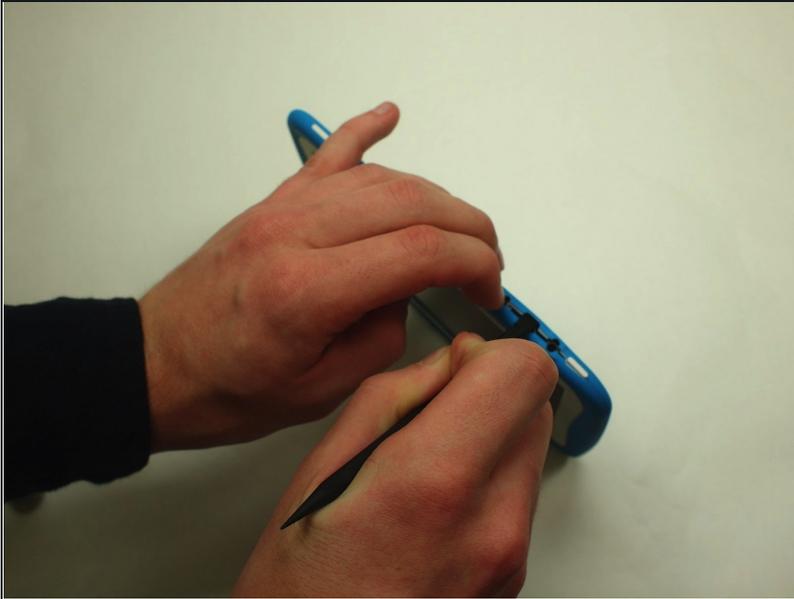
 **TOOLS:**

iFixit Opening Tool (1)

Phillips #00 Screwdriver (1)

Spudger (1)

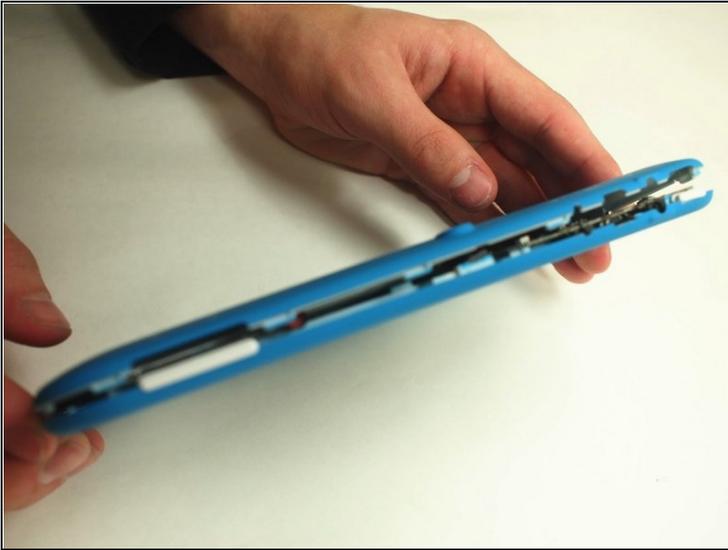
Step 1 — Opening Device



- Insert spudger into the USB Micro slot and pry the case apart.

 Be careful not to go too deep and bend the prong inside the Micro USB port.

Step 2 — Pry Device Apart



- Slide the wide plastic opening tool across the seam, separating it if you can't pry the device open using just the spudger.

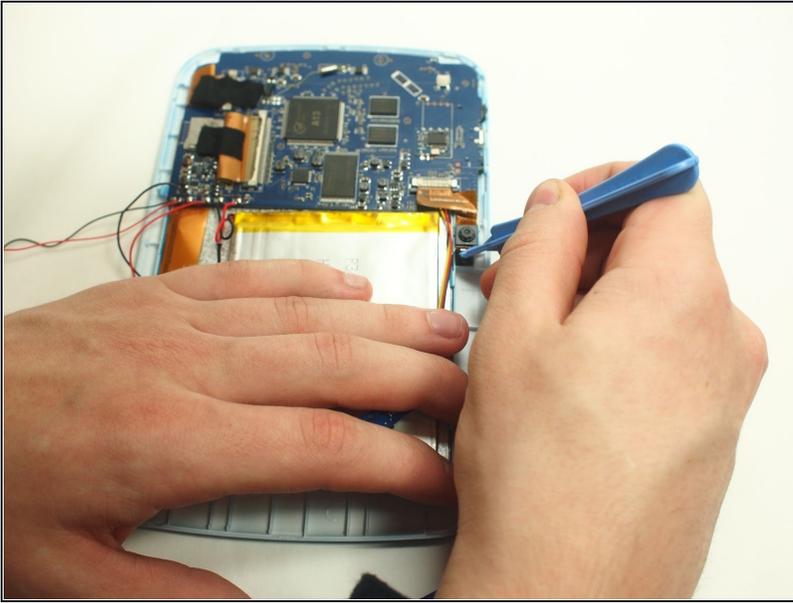
⚠ Gently separate the case so none of the cords inside are disconnected

Step 3 — Separated Device



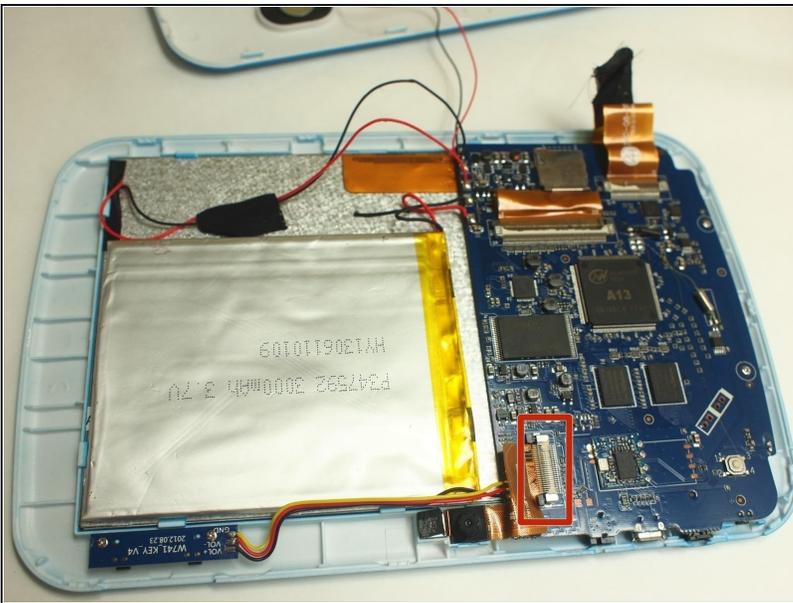
- After prying the device apart, it should look like this.

Step 4 — Pry Camera



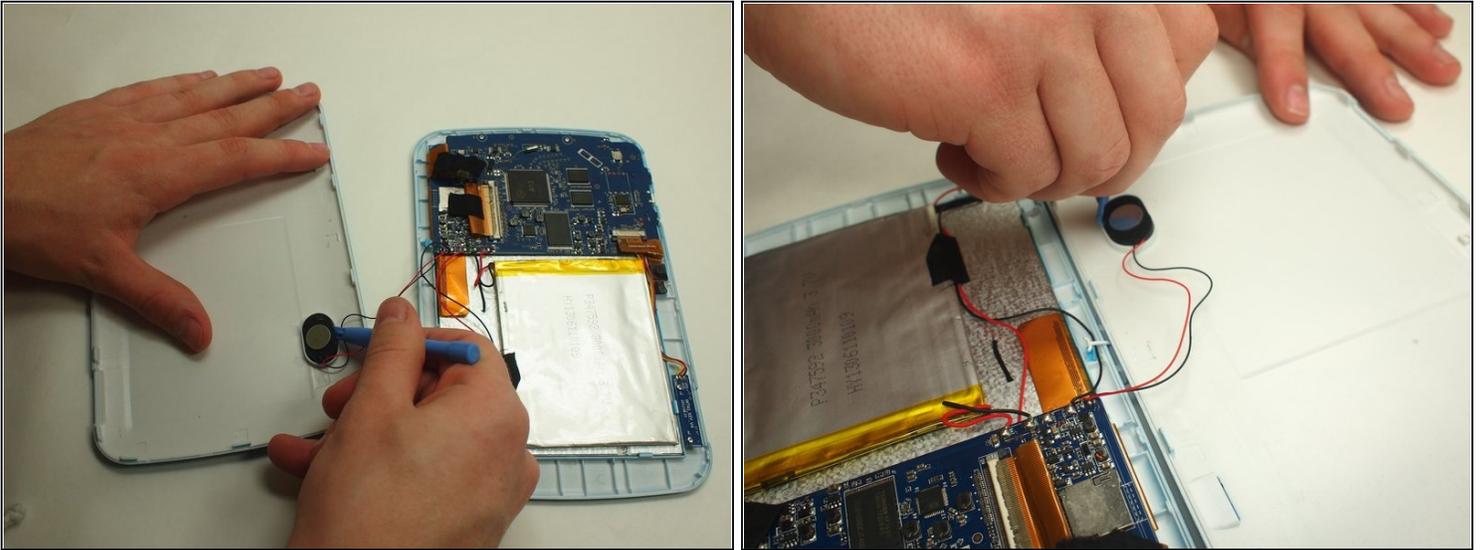
- Use the slim plastic opening tool to pry the camera from its initial position.

Step 5 — Disconnect Ribbon



- Use the precision [tweezers](#) to gently disconnect the camera ribbon that is connected to the motherboard.

Step 6 — Pry Speaker



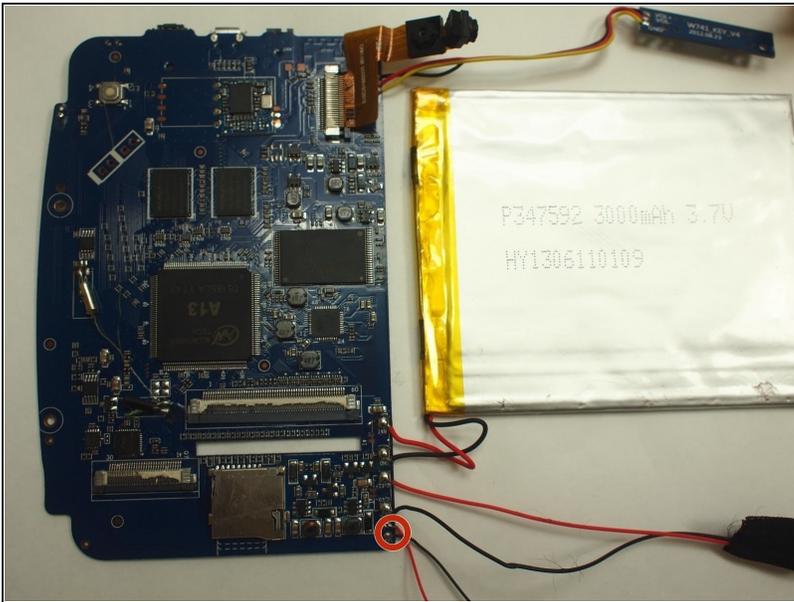
- Use the slim plastic opening tool to remove the speaker from its position on the case.

Step 7 — Locate Wires



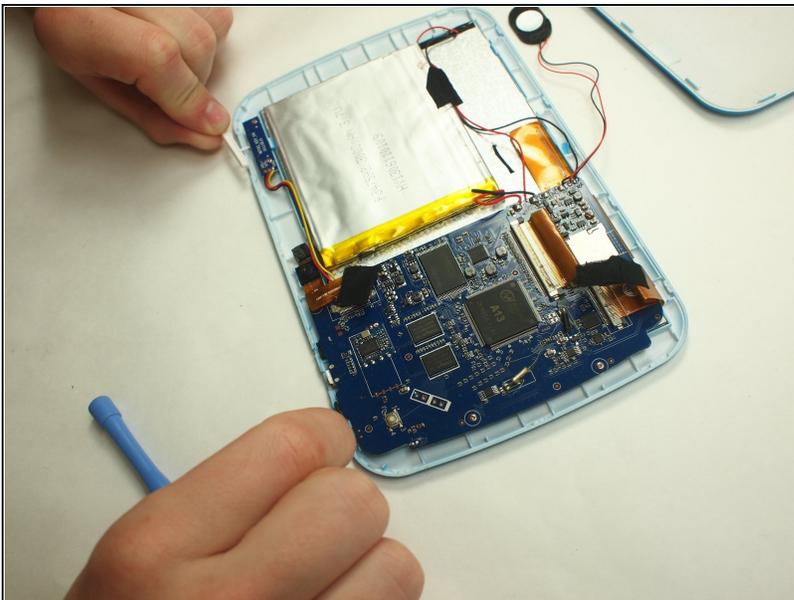
- Locate the red and black wires that connect the speaker to the motherboard.

Step 8 — Solder Wires



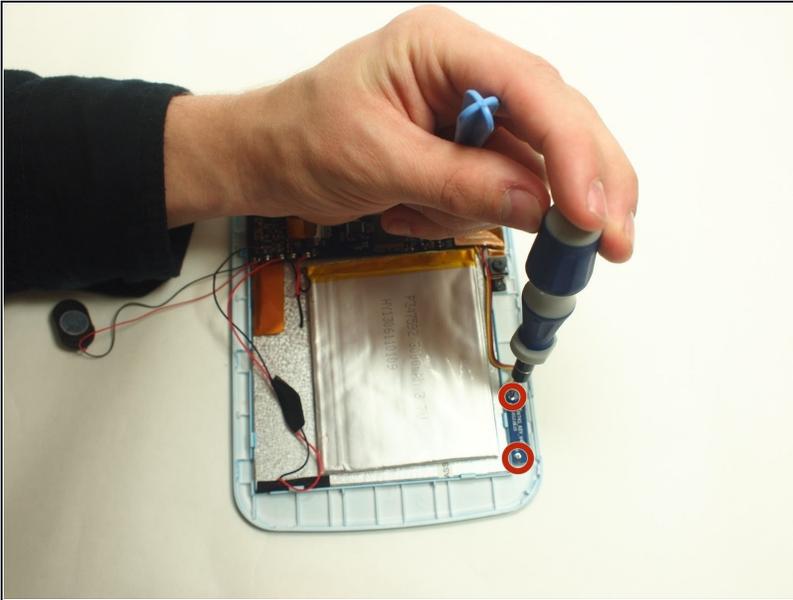
- Un-solder the red and black speaker wires that are connected to the motherboard

Step 9 — Volume Button



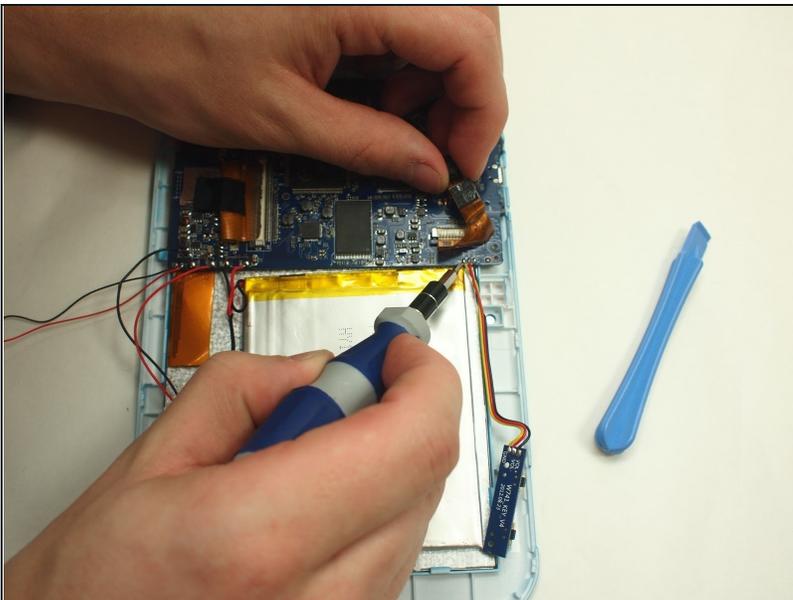
- Remove the plastic volume button.

Step 10 — Unscrew Module



- Remove the two screws that hold the volume button assembly in place.

Step 11 — Solder Module Wires



- Un-solder the yellow, red, and black wires that connect the volume module to the motherboard.

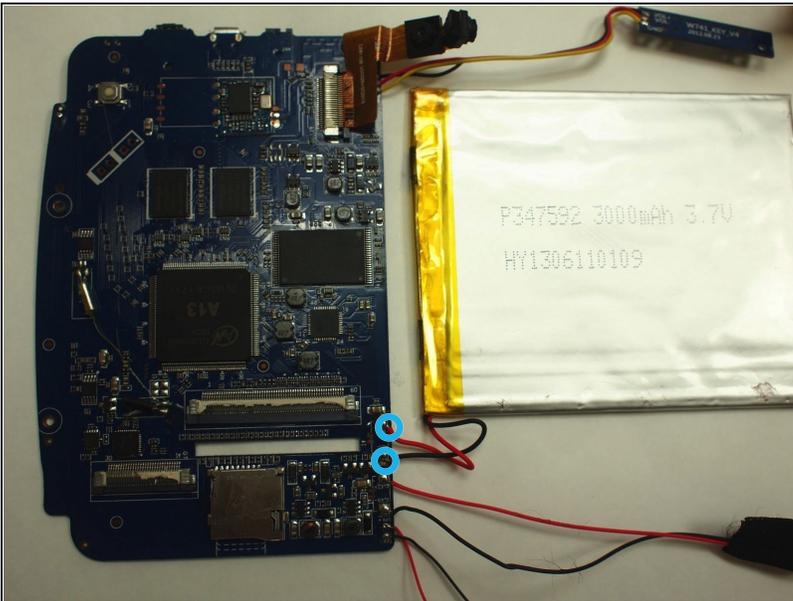
Step 12 — Removing battery



- Use the wide plastic opening tool to slowly pry each side of the battery up.

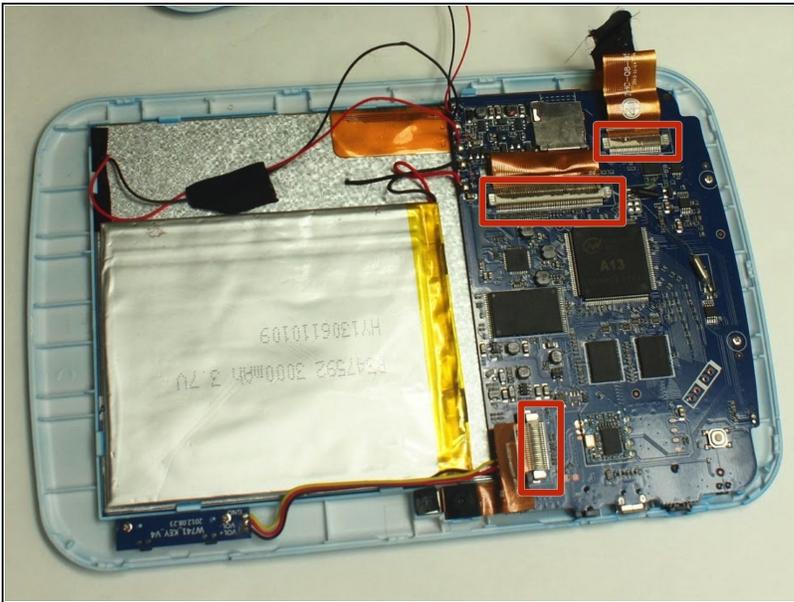
⚠ Be careful not to bend the battery too much.

Step 13 — Remove battery completely



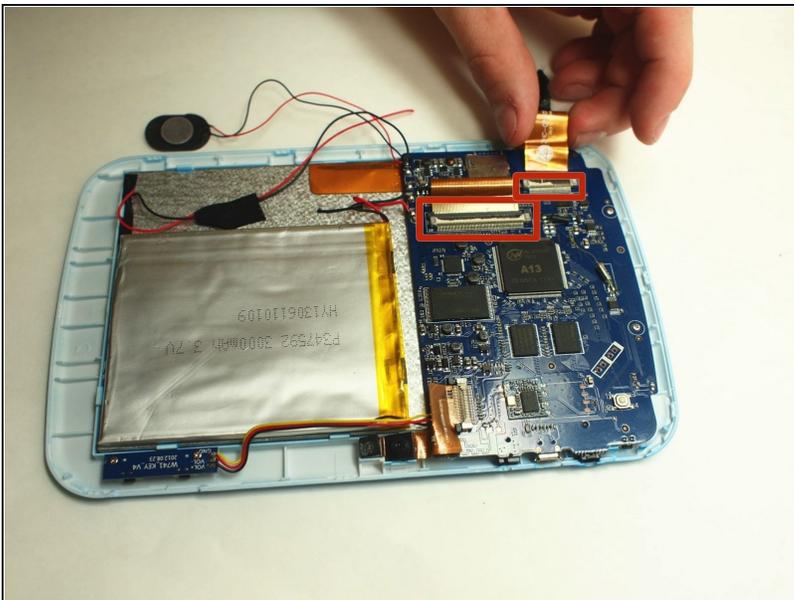
- Use the Soldering Iron to disconnect the each cable.

Step 14 — Remove Tape



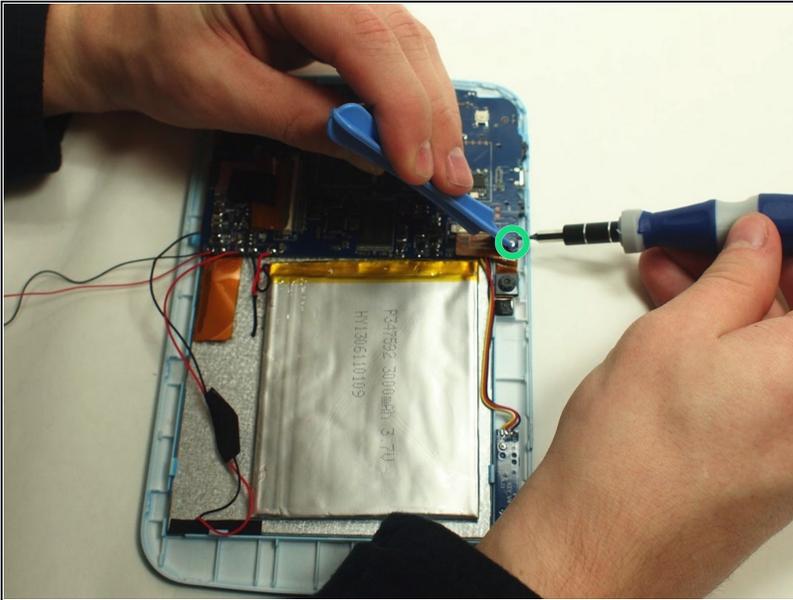
- Remove black tape covering any of the ribbons that have it.

Step 15 — Remove Ribbons



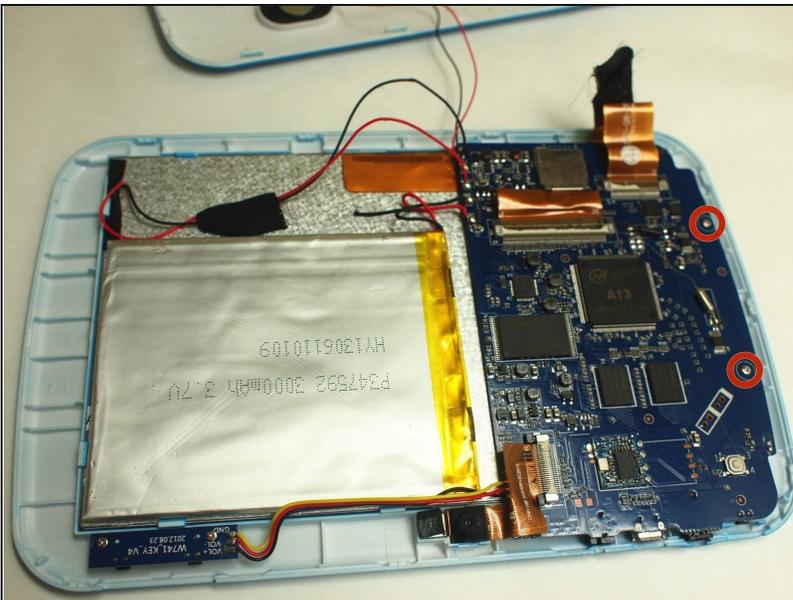
- Pull the ribbons out from the plugs.

Step 16 — Remove Camera/Hidden Screw



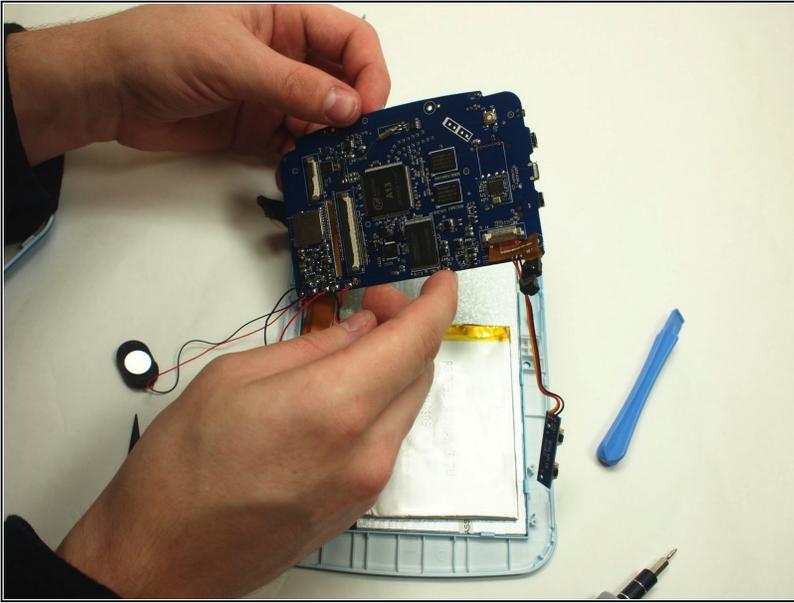
- After removing the camera, remove the hidden screw.

Step 17 — Remove Screws



- Remove screws located on the opposite side of the battery.

Step 18 — Lift



- Carefully lift up the motherboard. Your accessory parts such as battery, speaker, volume button assembly, and camera wires will be disconnected, not connected, like in this picture.

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