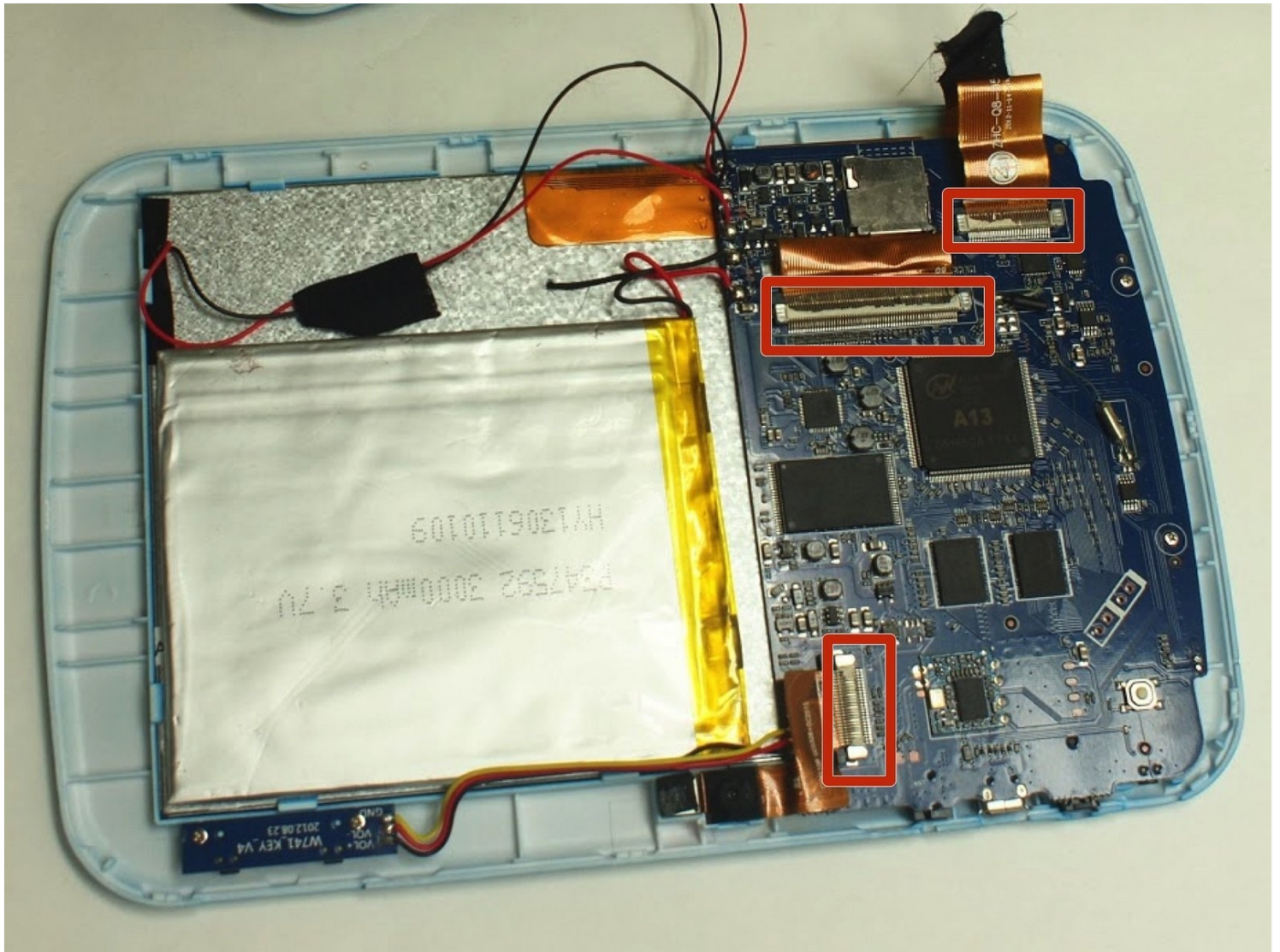




# Munchkinz Motherboard Replacement

Written By: Austin Oliveira



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## TOOLS:

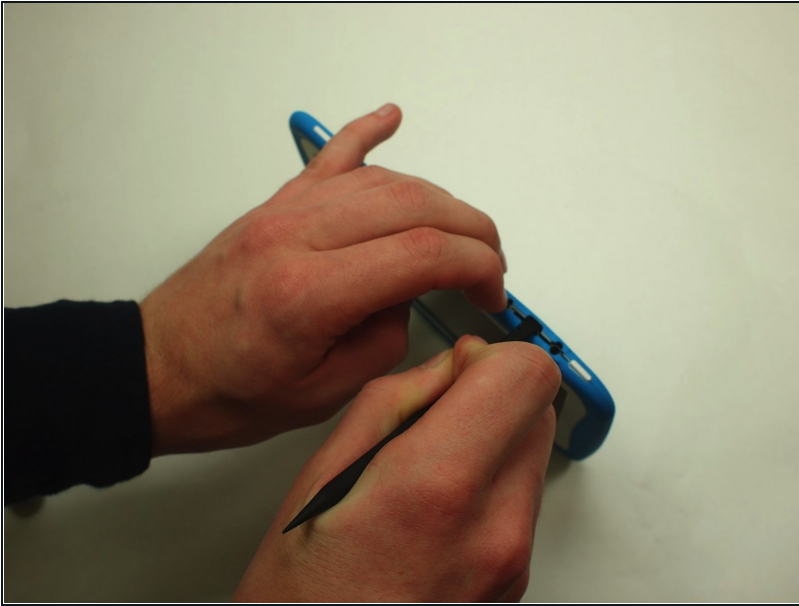
[iFixit Opening Tool](#) (1)

[Phillips #00 Screwdriver](#) (1)


[Spudger](#) (1)

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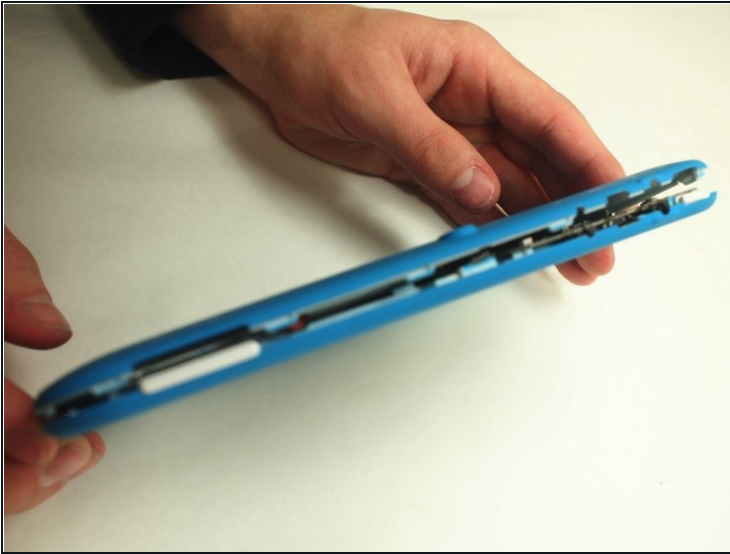
### Step 1 — Opening Device



- 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.

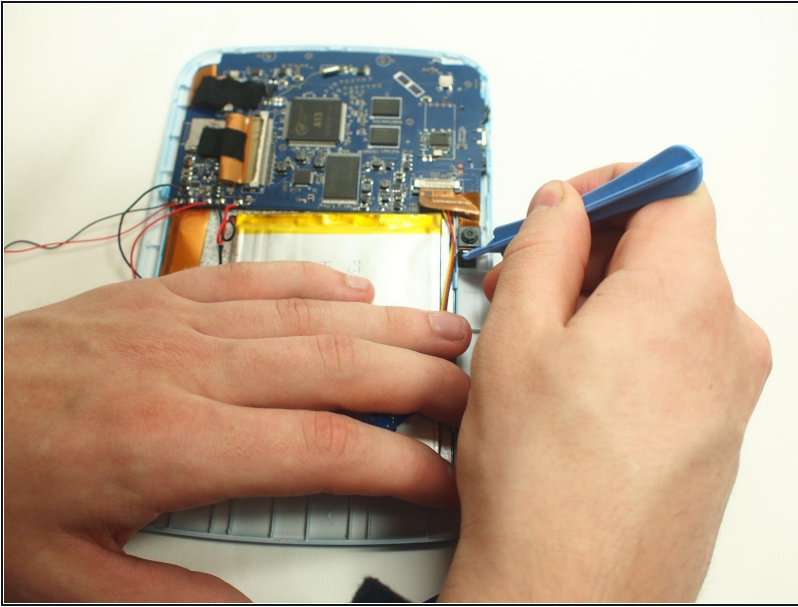
⚠ Gently separate the case so none of the cords inside are disconnected

## Step 3 — Separated Device



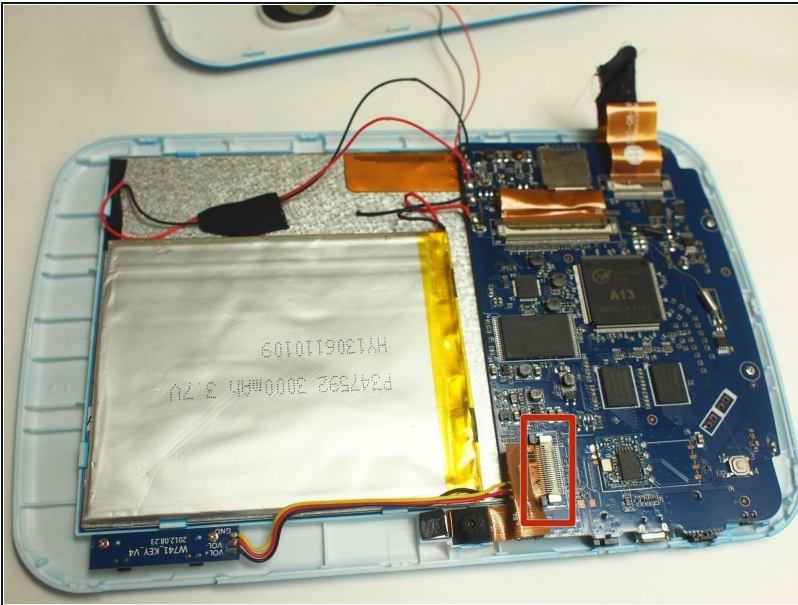
- After prying the device apart, it should look like this.

## Step 4 — Pry Camera



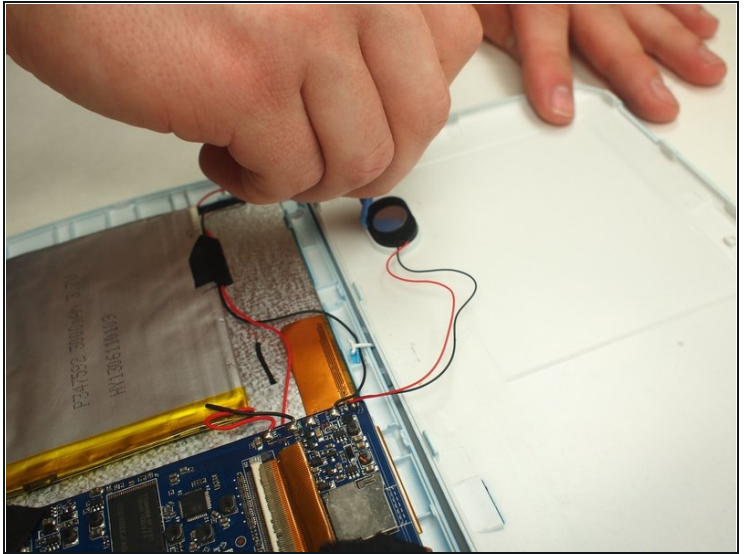
- Use the slim plastic opening tool to pry the camera from its initial position.

## Step 5 — Disconnect Ribbon



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

## Step 6 — Pry Speaker



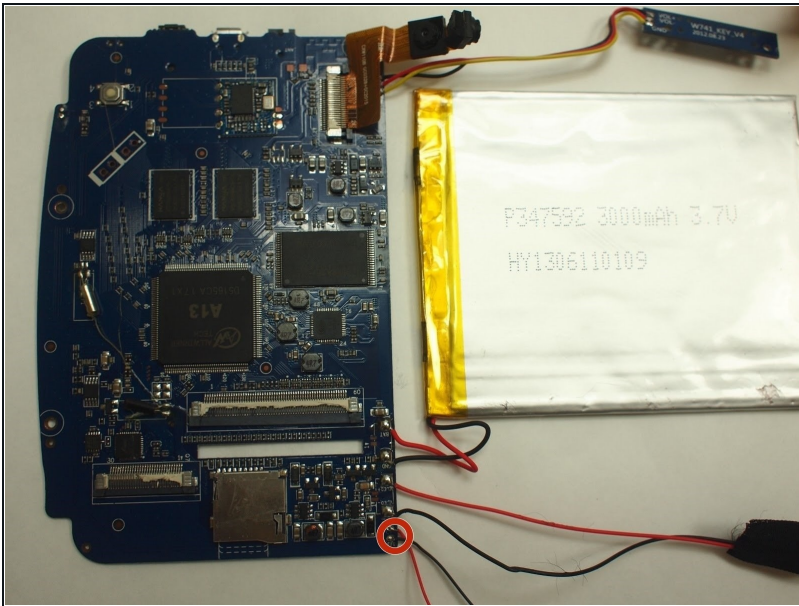
- Use the slim plastic opening tool to remove the speaker from its position on the case.

## Step 7 — Locate Wires



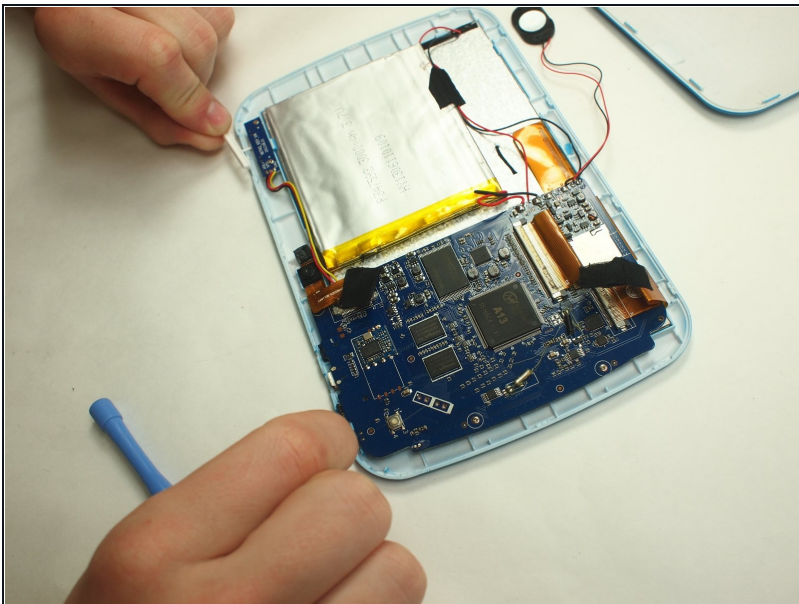
- Locate the red and black wires that connect the speaker to the motherboard.

## Step 8 — Solder Wires



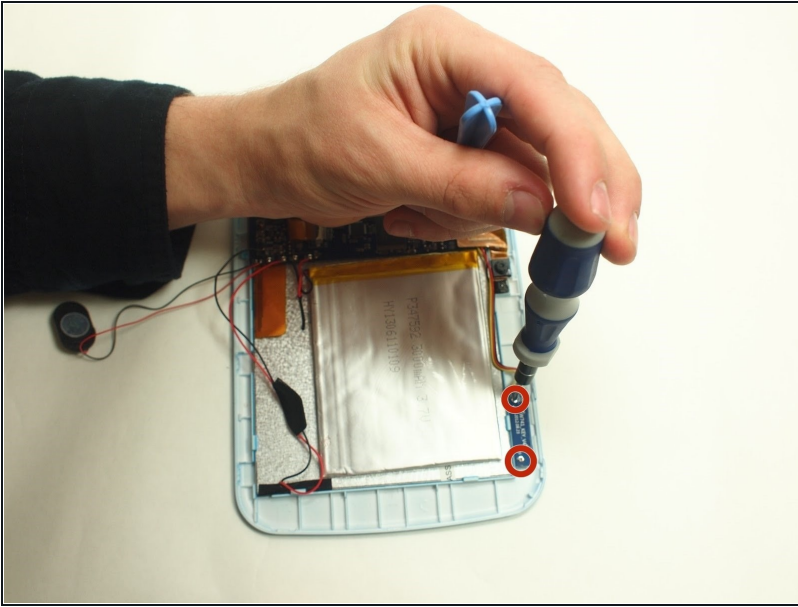
- Un-solder the red and black speaker wires that are connected to the motherboard

## Step 9 — Volume Button



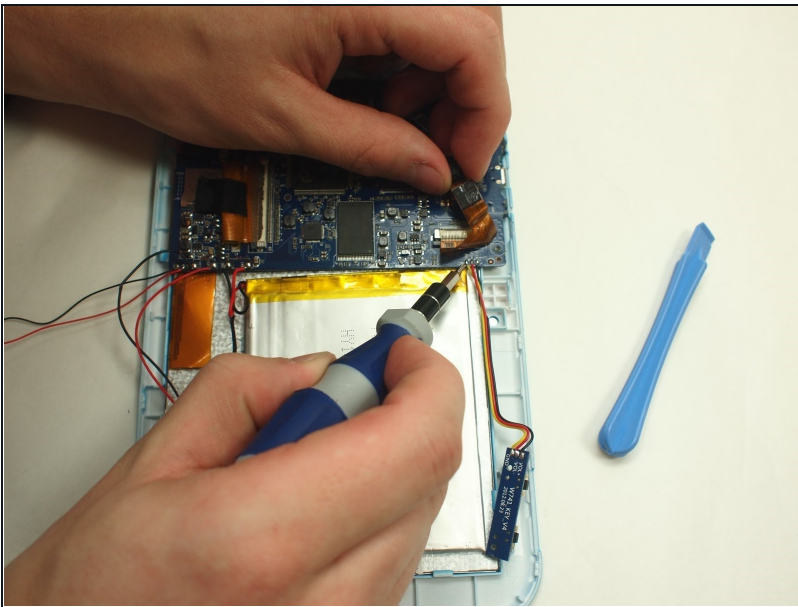
- Remove the plastic volume button.

## 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.

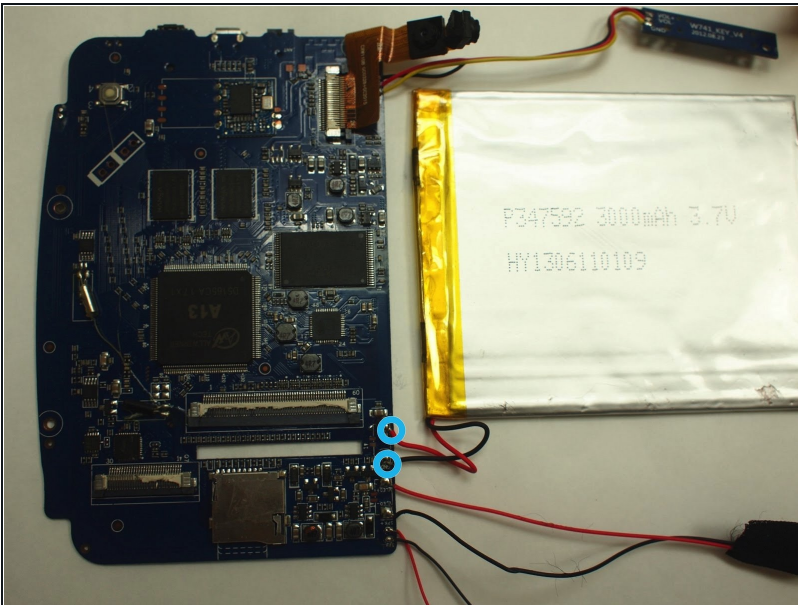
## Step 12 — Removing battery



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

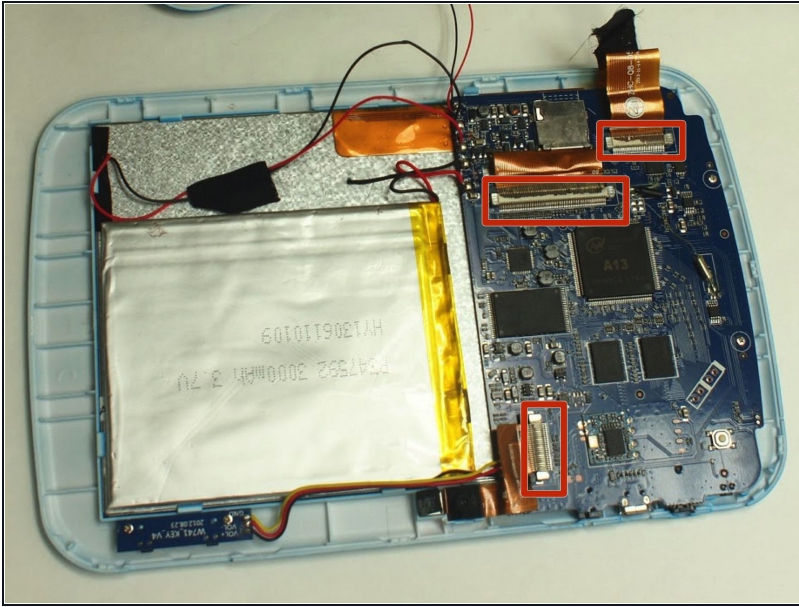
⚠ Be careful not to bend the battery too much.

## Step 13 — Remove battery completely



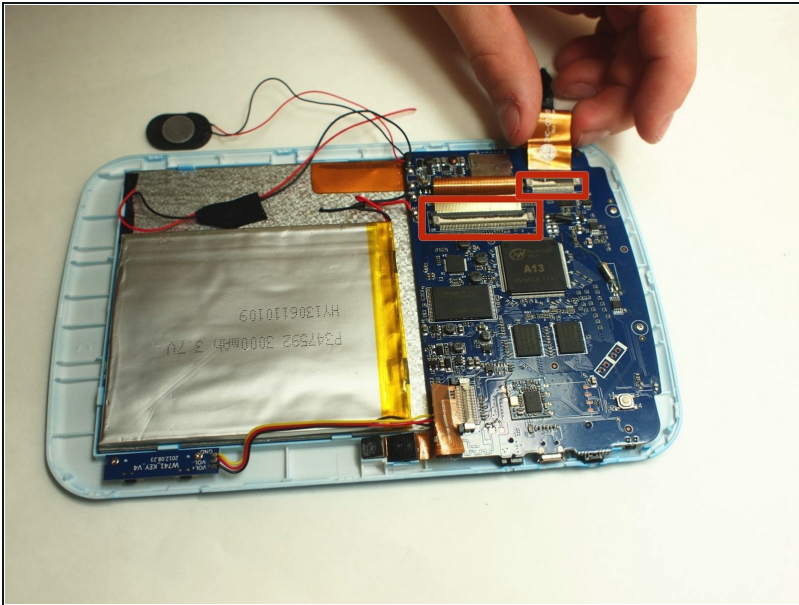
- Use the Soldering Iron to disconnect the each cable.

## Step 14 — Remove Tape



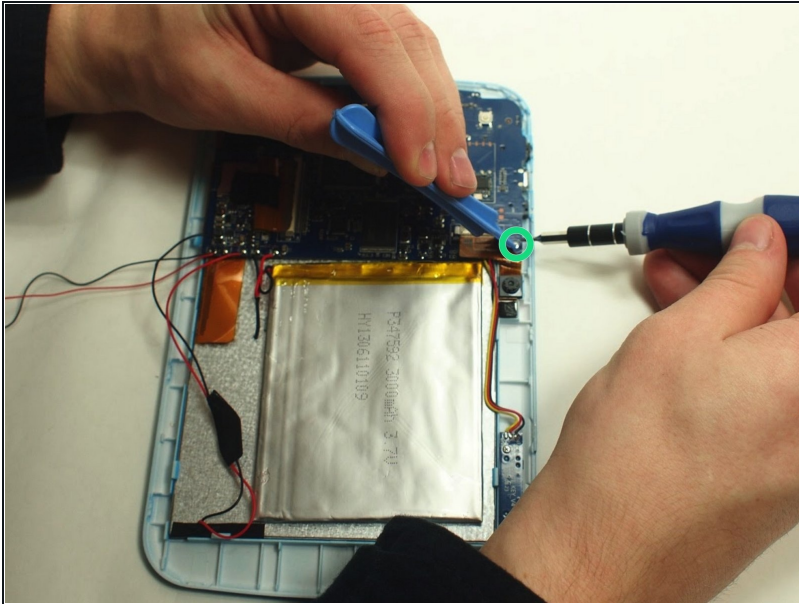
- Remove black tape covering any of the ribbons that have it.

## Step 15 — Remove Ribbons



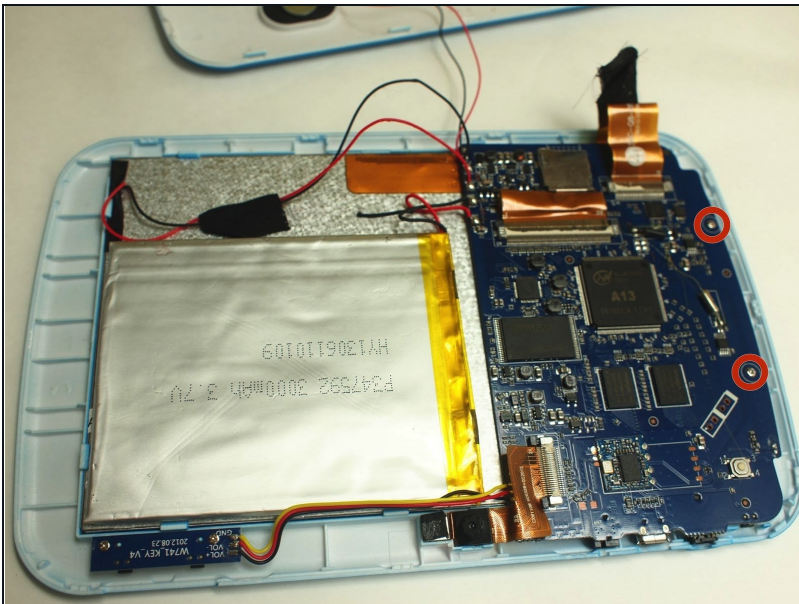
- Pull the ribbons out from the plugs.

## Step 16 — Remove Camera/Hidden Screw



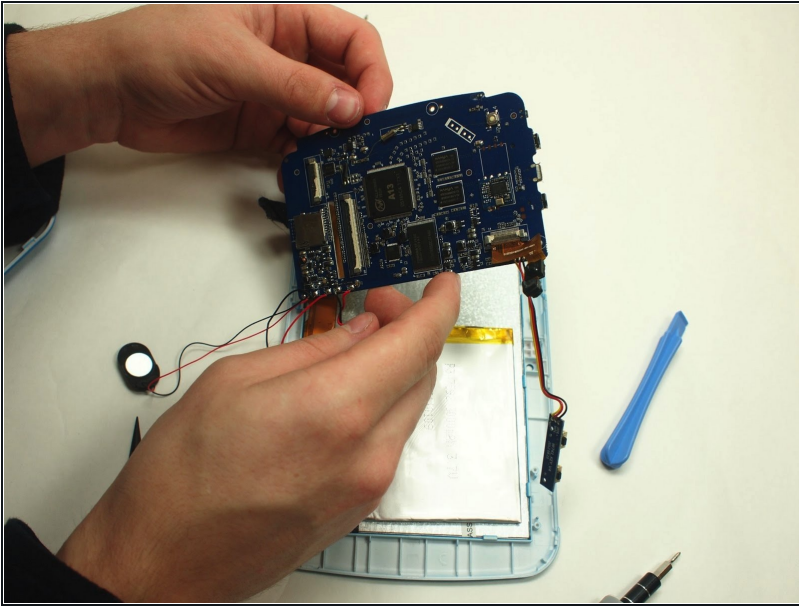
- After removing the camera, remove the hidden screw.

## 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.

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