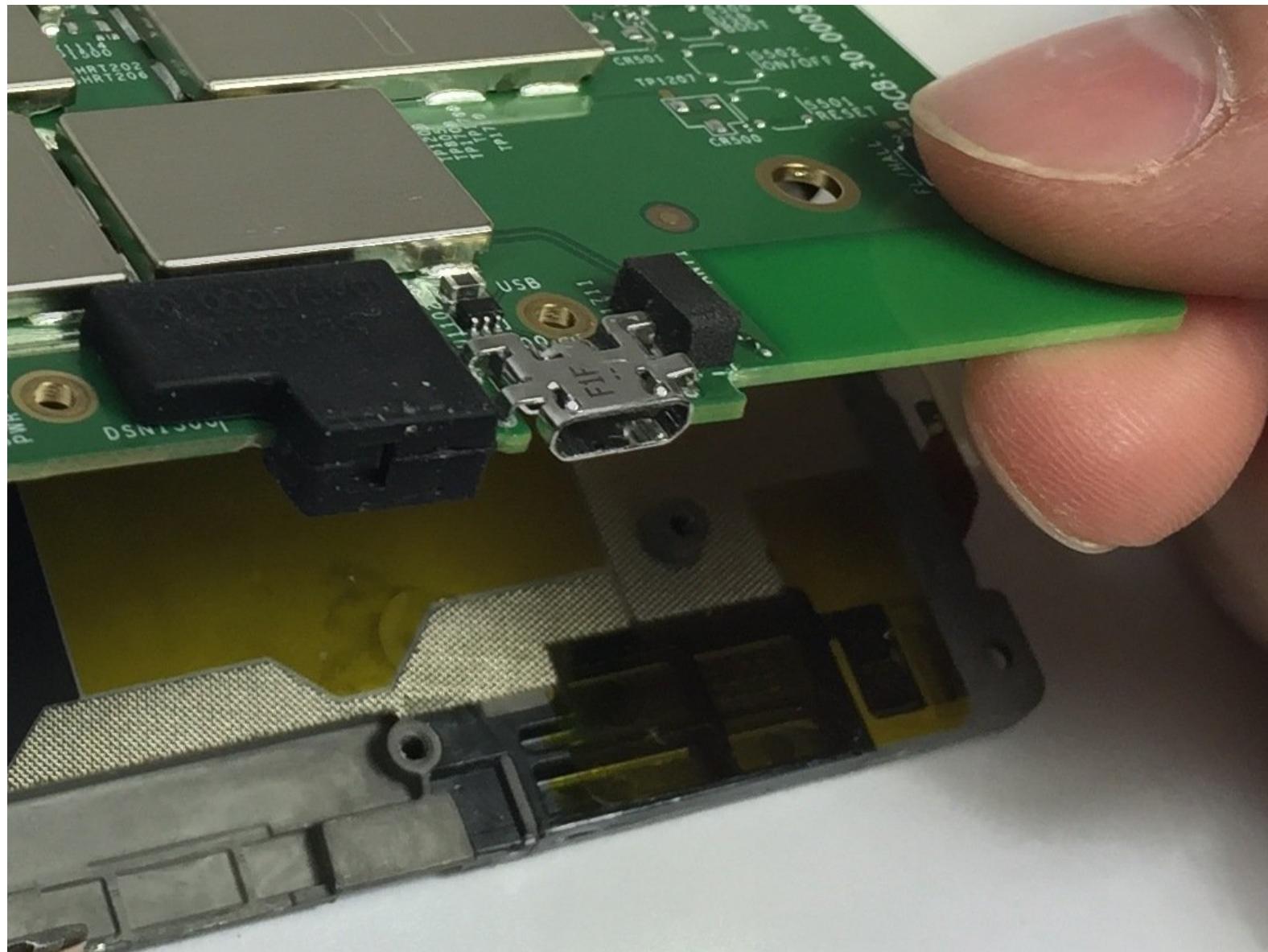




# Kindle Paperwhite 2nd Generation Charging Port Replacement

This is a walkthrough of replacing a Kindle Paperwhite 2nd Generation USB port. You need the device to be powered off, an opening tool, and a screwdriver.

Written By: Tyler Davis



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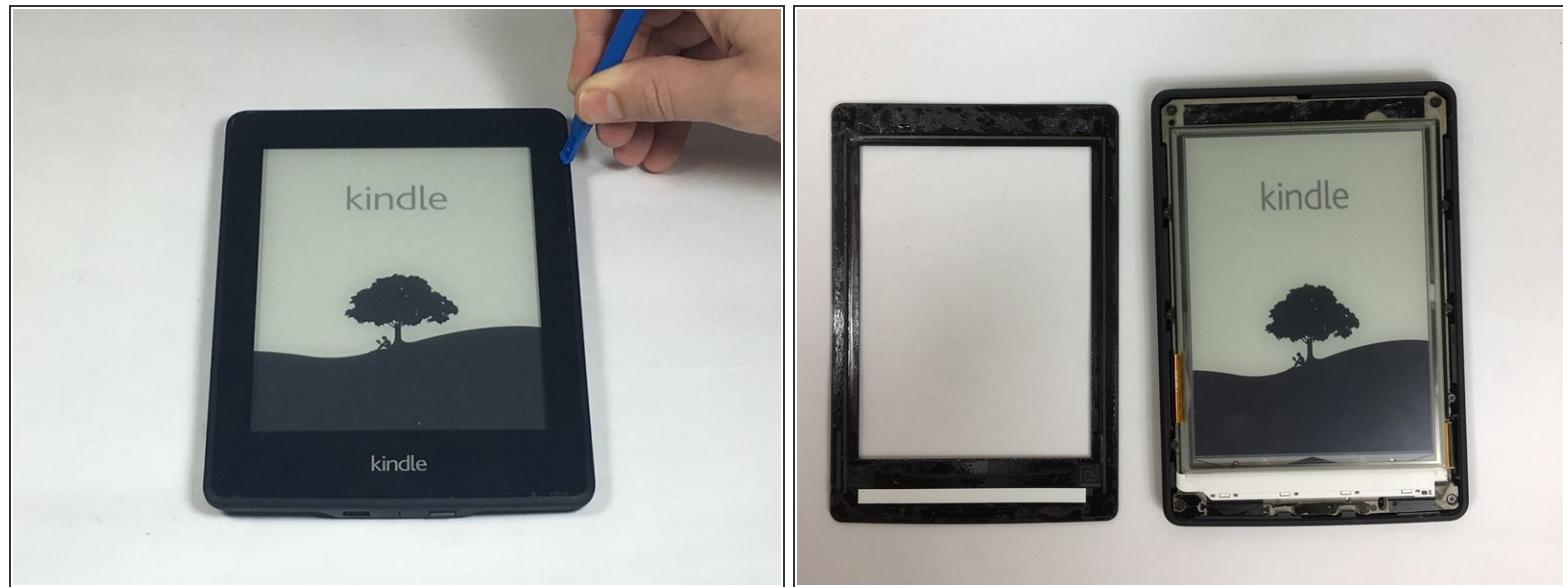
## INTRODUCTION

The Paperwhite's charging port is integrated into the motherboard, and can only be replaced by either de-soldering the old port and carefully soldering on a new one, or by replacing the entire board.

### TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #000 Screwdriver](#) (1)

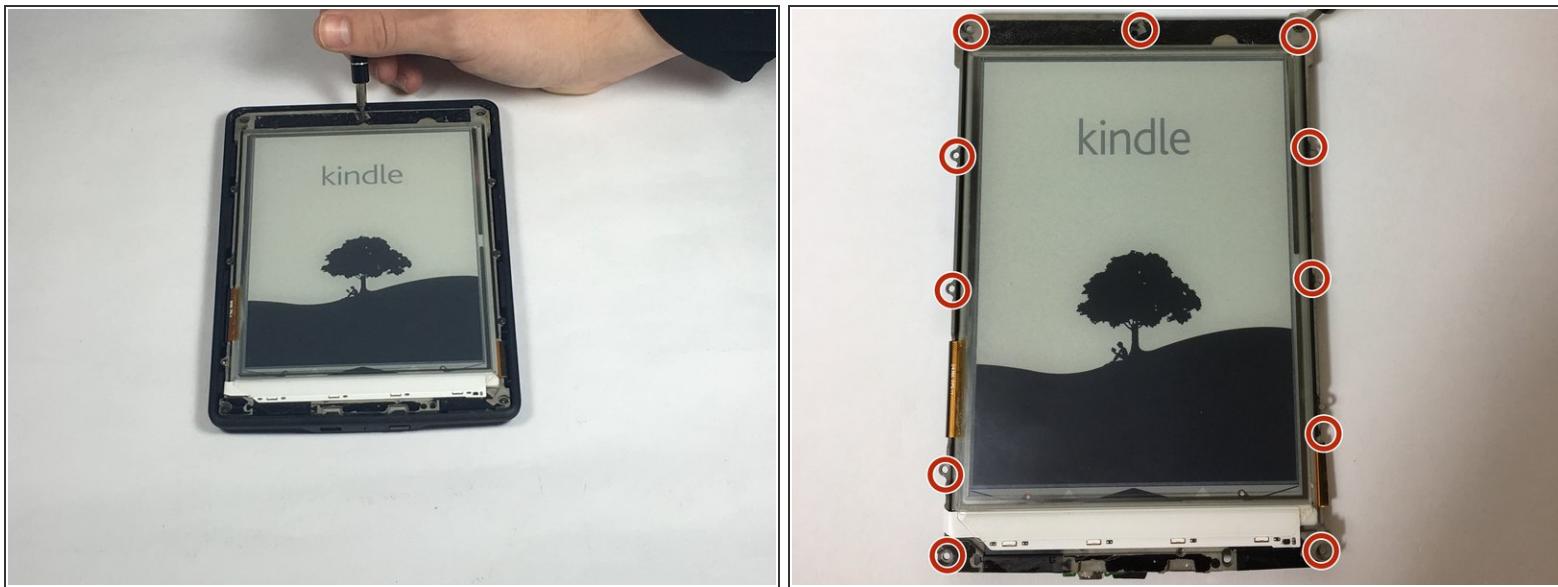
## Step 1 — Battery



- Insert plastic opening tool into the corners of the Paperwhite and slide around the edge perimeter to remove bezel.

① Be sure to begin prying along the outer edges , these are the optimal points for removing the bezel.

## Step 2



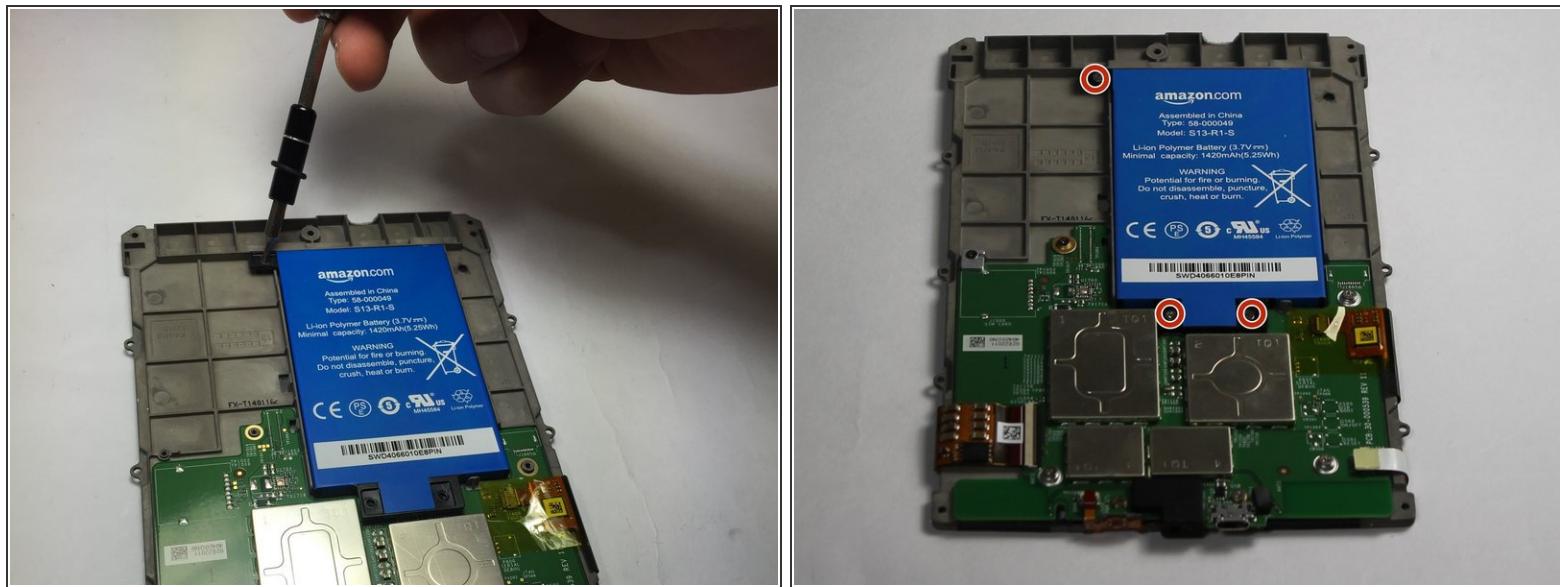
- Using a Screw Driver, Remove the eleven 3.2 mm Phillips 000 screws from corners of the mid-frame and from behind the black strip as shown.
- (i)* Do not forget the screw in the middle of the black adhesive strip.

## Step 3



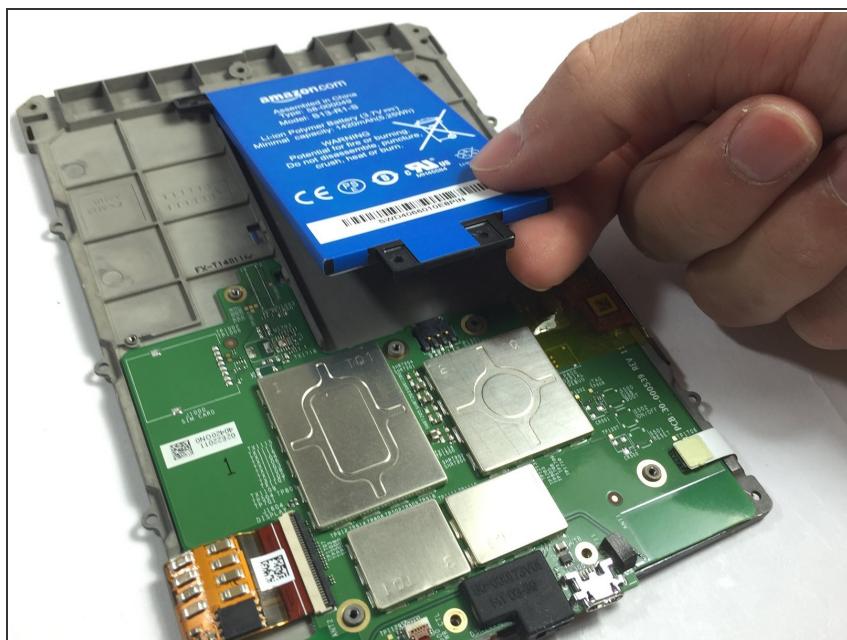
- Carefully remove the mid-frame from the back cover.

## Step 4



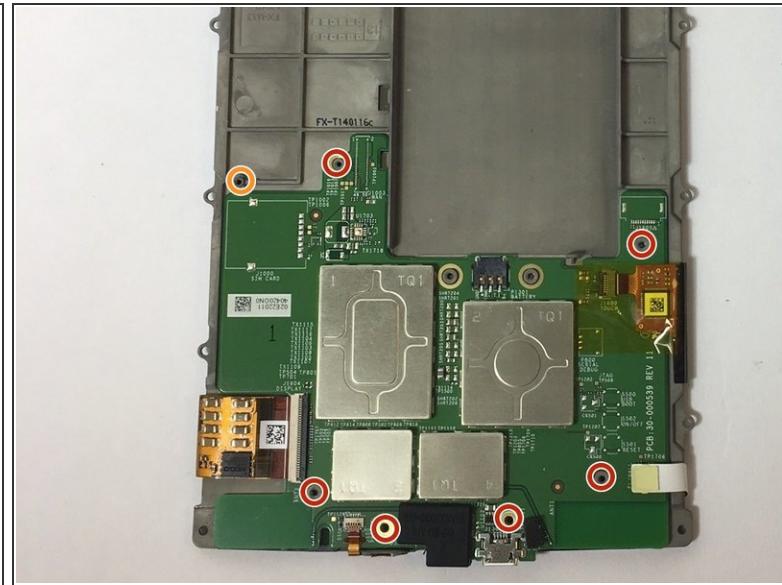
- Use a screwdriver to remove the three 3.0 mm Phillips 000 screws that are holding the battery in place as shown.

## Step 5



- Carefully lift the battery and remove it from the device.

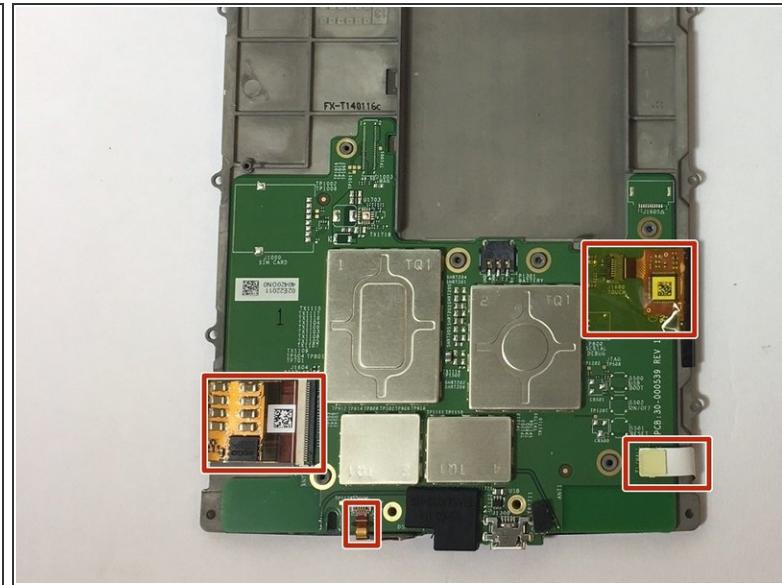
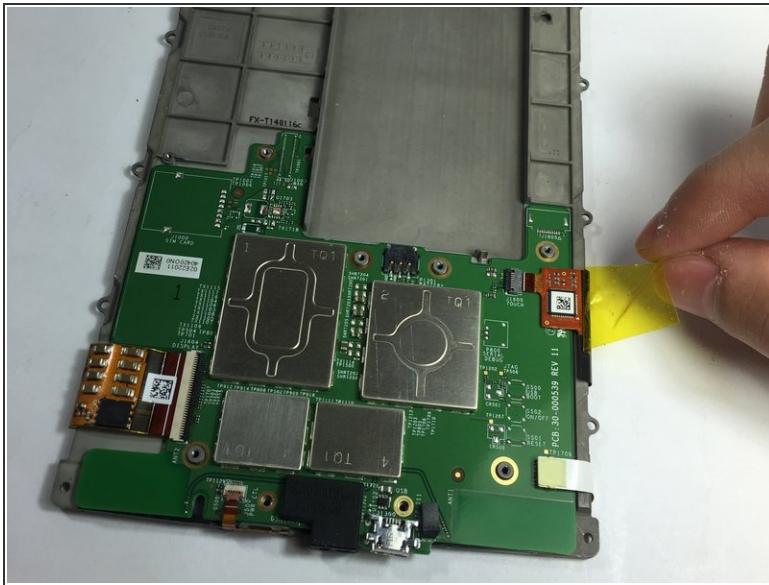
## Step 6 — Motherboard



- Use a screwdriver to remove the seven 3.0 mm Phillips 000 screws that are holding the motherboard in place as shown.

**⚠** Don't lose the washer that is highlighted with an orange marker as shown. It is a necessary component to protect the screw.

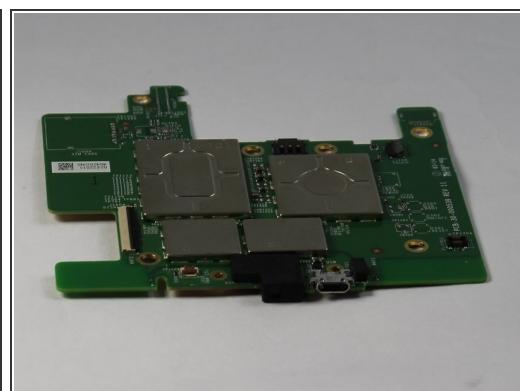
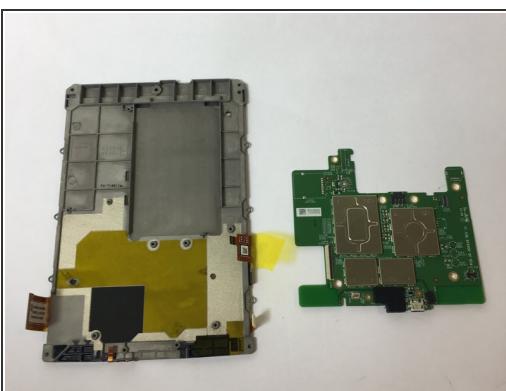
## Step 7



- Gently disconnect the zif connectors.

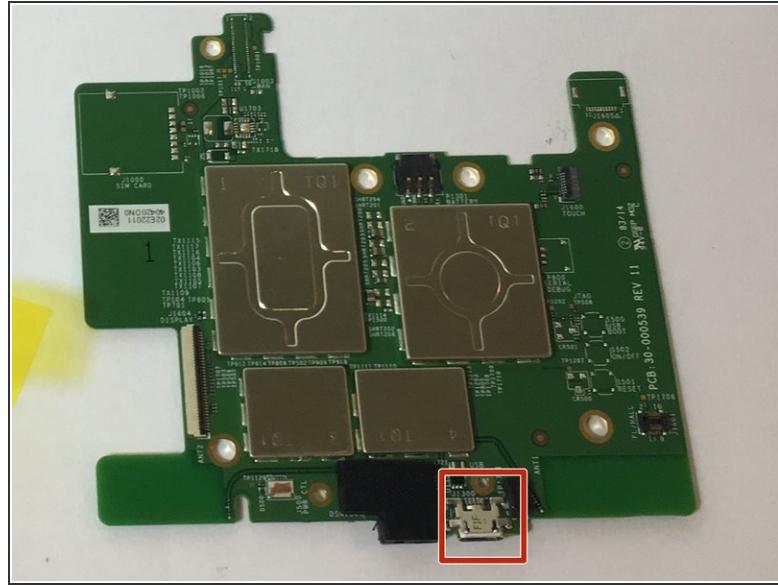
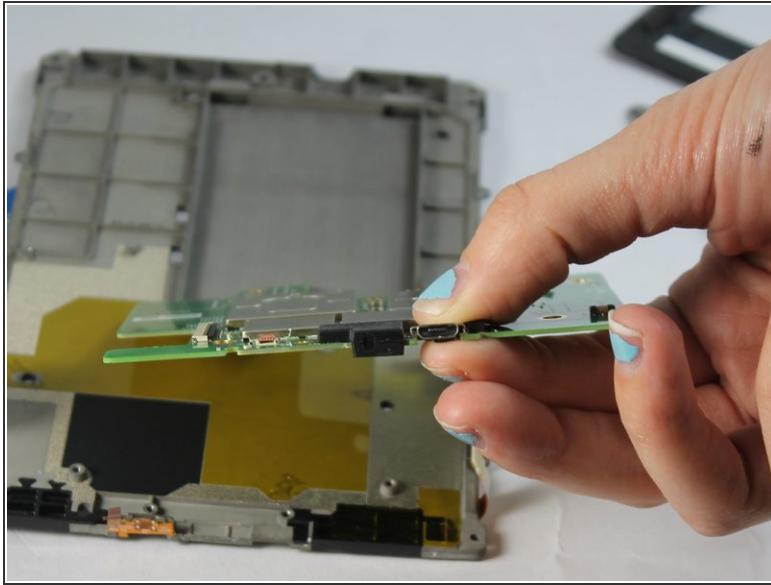
 Some of these connectors are very thin and fragile, handle with care!

## Step 8



- Gently remove the motherboard.

## Step 9 — Charging Port



*(i)* The charging port is integrated in to the device motherboard.

- From here, to fix a faulty port, either replace the entire motherboard, or carefully desolder the old port and solder a new one on in its place.
- (i)* Check out the [soldering guide](#) for help.

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