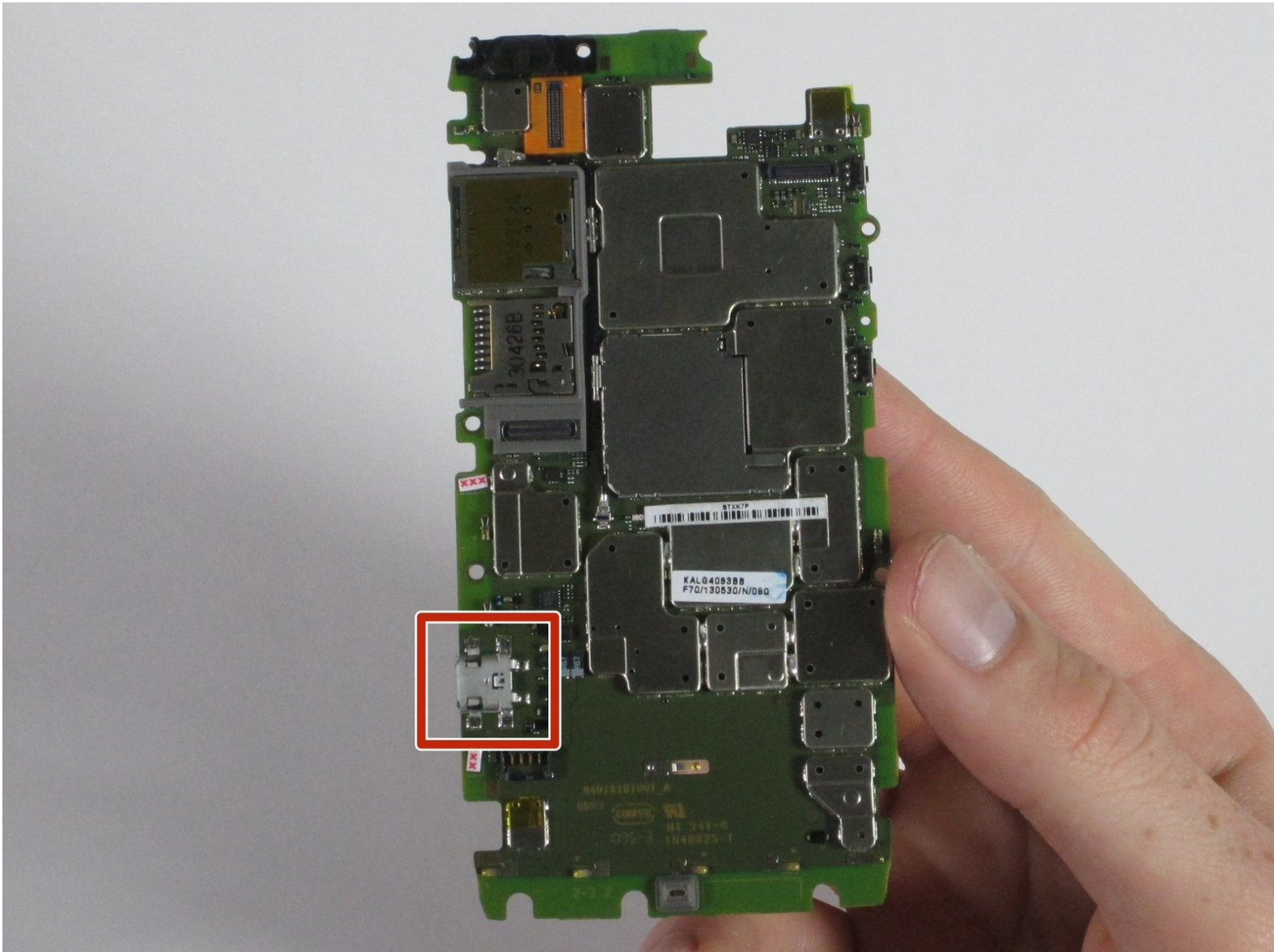




# Motorola Droid RAZR M USB Charging Port Replacement

Replacement of the USB charging port on the Motorola Droid RAZR M

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## INTRODUCTION

In order to complete this guide you must first know how to solder. If you do not know how to do this simply look a tutorial on the internet.

Once you have completed the Motherboard and Front Assembly prerequisite guides you will have the motherboard in hand. The USB charging port is located at the bottom left of the board, the top being where the cameras are located. Now apply your desoldering skills on the four solder joint and replace the USB charging port.



### TOOLS:

- [iFixit Opening Tools](#) (1)
  - [T3 Torx Screwdriver](#) (1)
  - [T4 Torx Screwdriver](#) (1)
  - [T5 Torx Screwdriver](#) (1)
  - [Soldering Iron](#) (1)
  - [Solder](#) (1)
  - [Desoldering Braid](#) (1)
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## Step 1 — Front Assembly



- Open the small latch on the left side of the device by lifting gently with your finger, exposing the SIM card and microSD card slots.
- If either of these cards are present, remove them to prevent damaging them while taking apart the phone. Our device does not have either.
- Close the latch once the two cards are removed.

## Step 2




- Remove the six 4mm T3 Torx screws. There are 3 on each side of the device.



### Step 3



- Run the plastic opening tool under the bottom edge of the phone to detach the small plastic cover below the Verizon logo.
- It will take some force to remove this piece. Work around the bottom corners to unlatch the two hooks holding the piece in place.

 The small plastic hooks can break during removal. Be careful that you don't damage them, but it will take some force to get them undone.

- Once the plastic cover is detached, pull the piece away with your fingers.

### Step 4



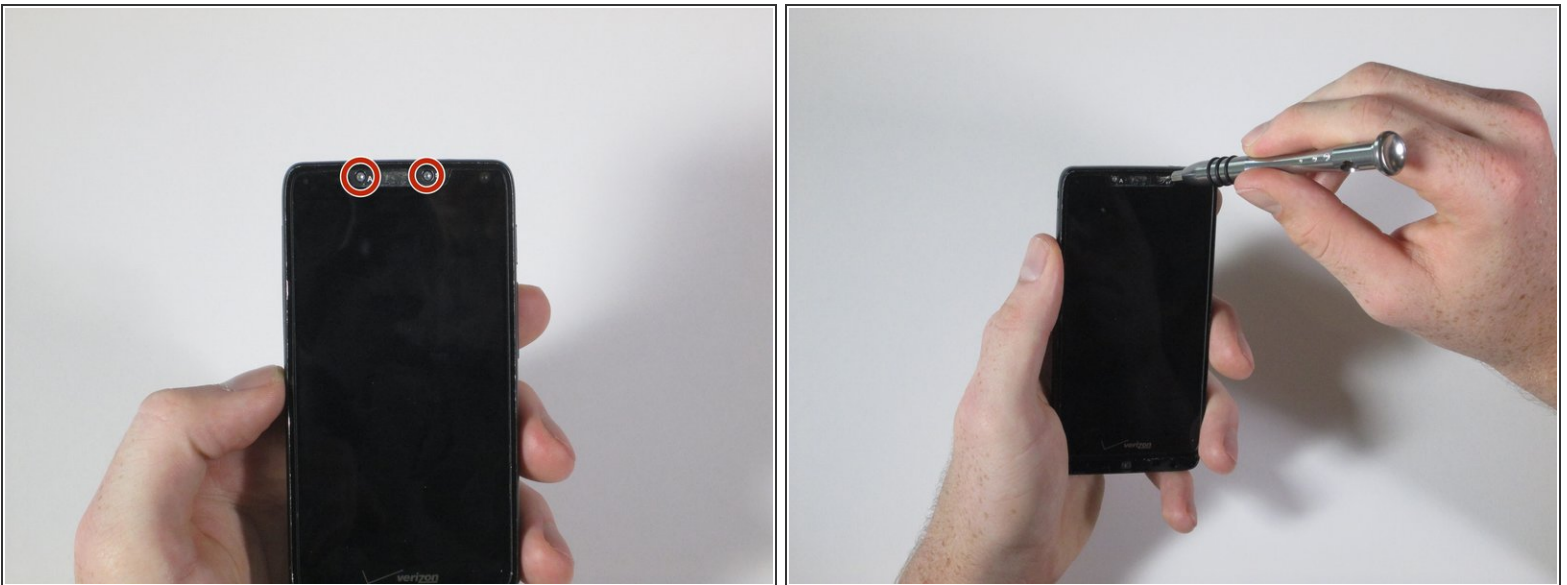
- Remove the three T4 Torx screws. There are three at the bottom of the device.

## Step 5



- Using the plastic opening tool, peel away the silver Motorola plate at the top of the phone. There is a fair amount of adhesive underneath, so you may have to pry it from a few different angles.
- As soon as you can get your finger underneath, pull away the silver plate.


## Step 6




- Remove the two 7mm T4 Torx screws at the top of the device.

## Step 7

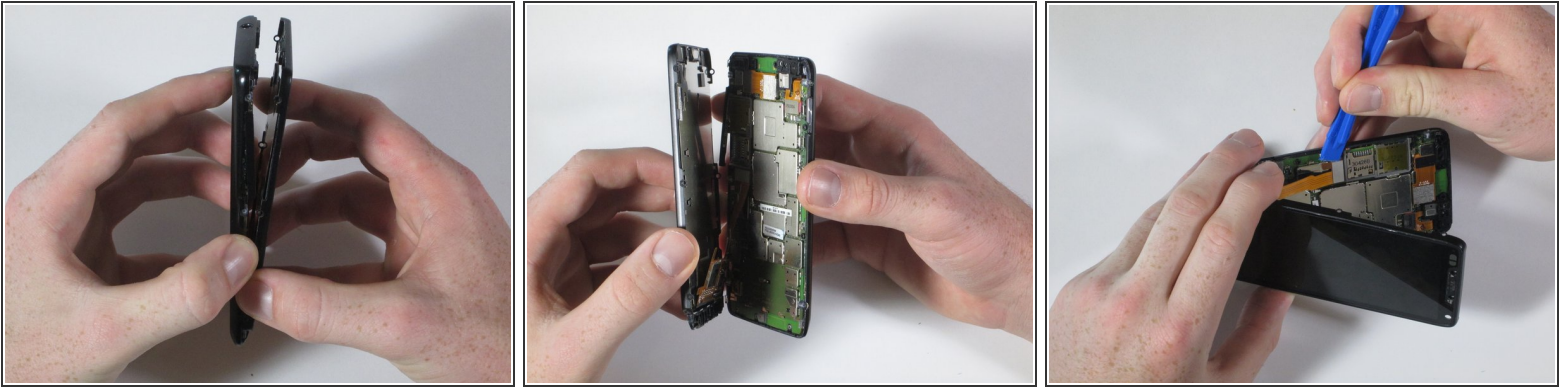


 When you detach the front from the back, don't pull the two pieces entirely apart. There is a flat orange wire that connects the two pieces that will be disconnected in the next step.

- Snap apart the two internal clips located on the top corners of the device, and the two clips in the bottom corners.
  - Run the plastic opening tool around the edge of the entire device to pry apart the front of the phone from the back.
-  There is a small black plastic piece located at the bottom of the front assembly. Do not worry if the strip falls off; just simply snap it back on and proceed.

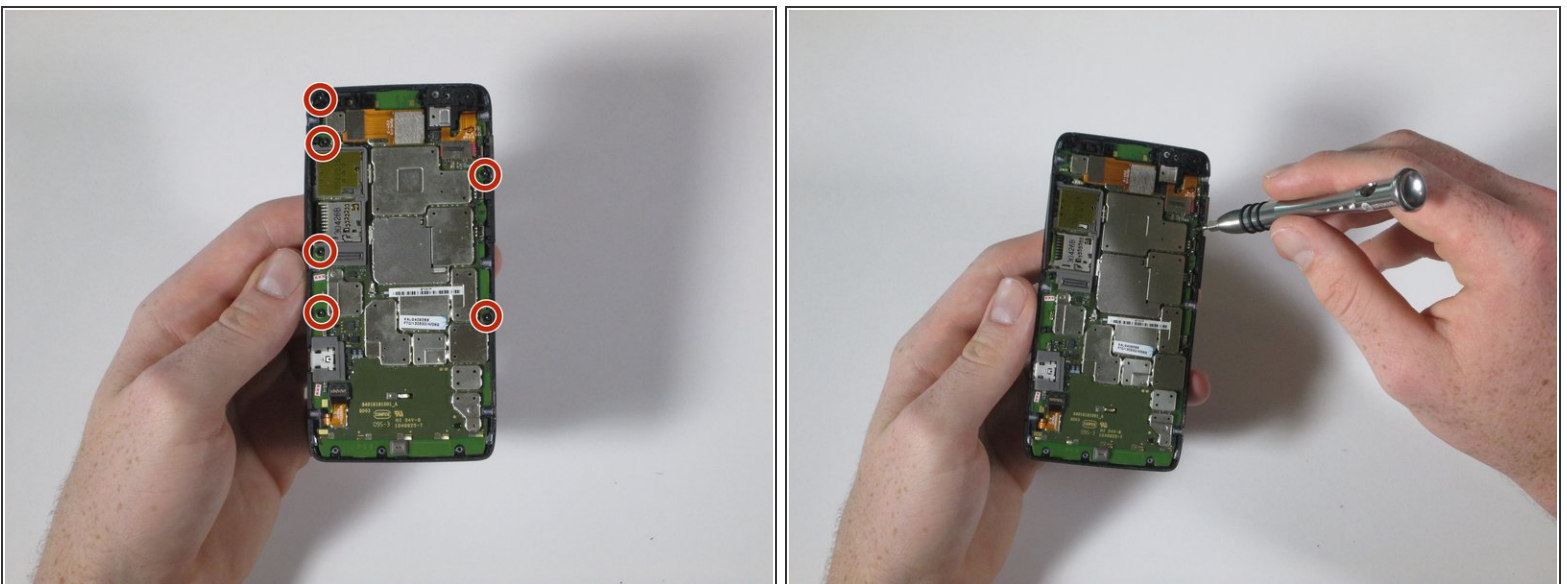


## Step 8



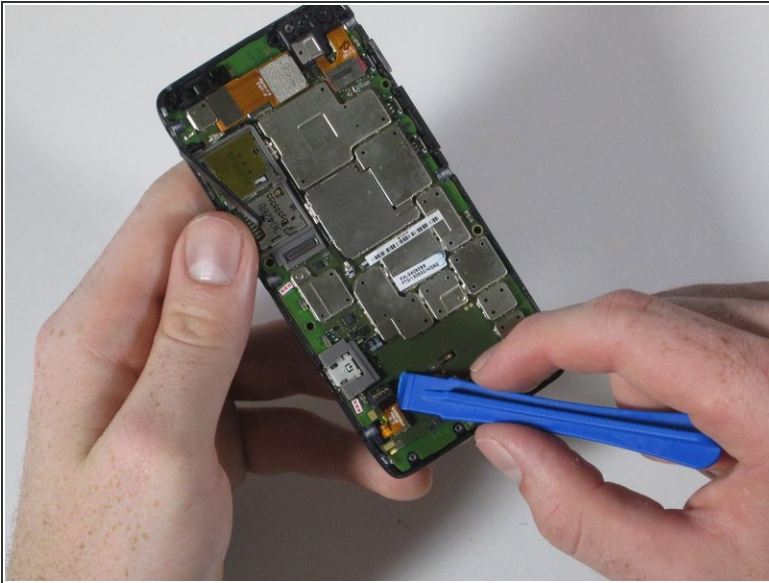
- Like a clamshell, slowly open the device from the top. Open the remainder of the device slowly while being mindful of the flat orange wire that connects the motherboard to the front assembly.
- Undo the snap connection in the lower left corner by inserting the plastic opening tool under the end of the orange wire connected to the motherboard. Lift gently.
- Once the snap connection is undone, pull apart the front assembly from the rest of the phone.

## Step 9 — Motherboard



- Remove the six 4mm T5 Torx screws located along the outer edge of the motherboard.

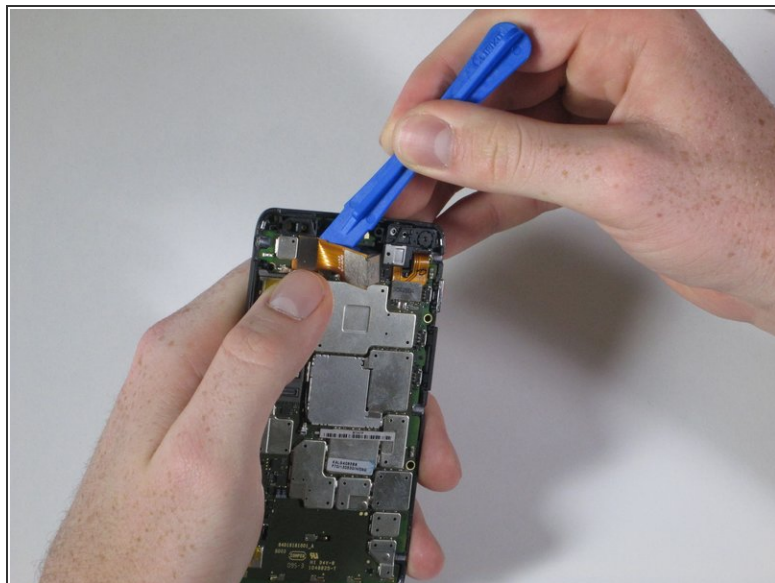
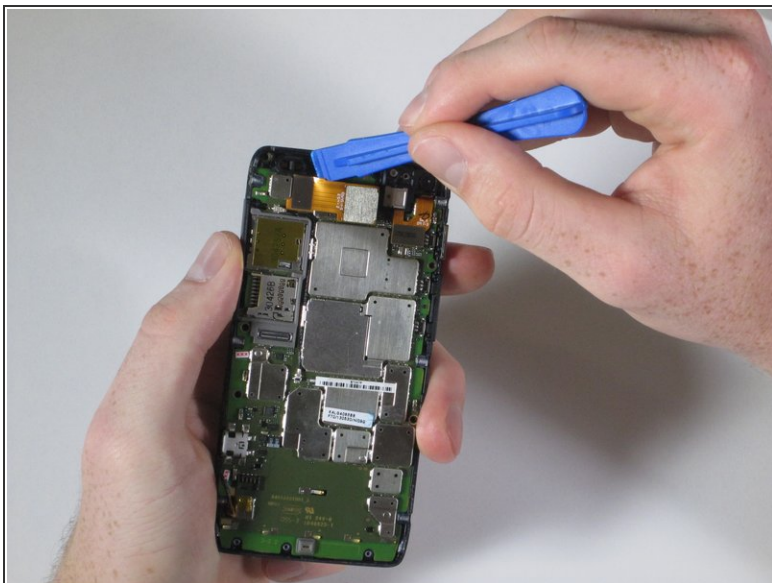
## Step 10



- Disconnect the snap connection in the lower left corner by prying underneath using the plastic opening tool.

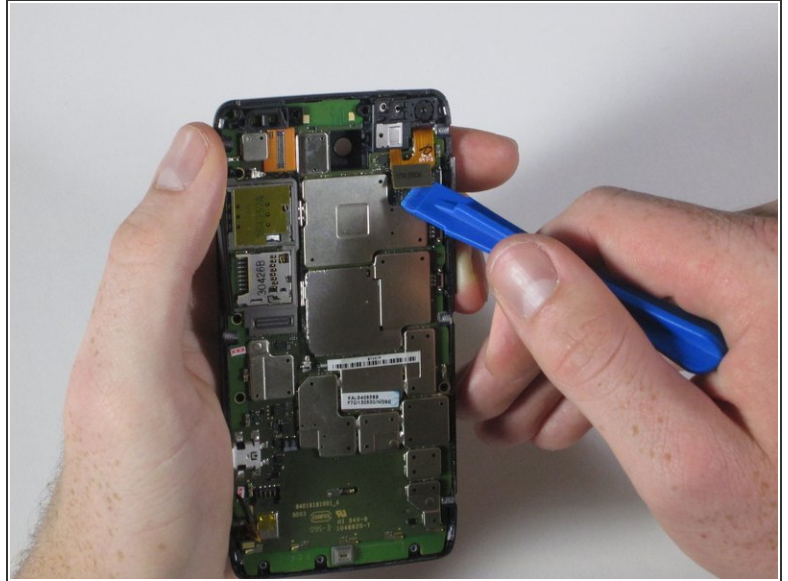
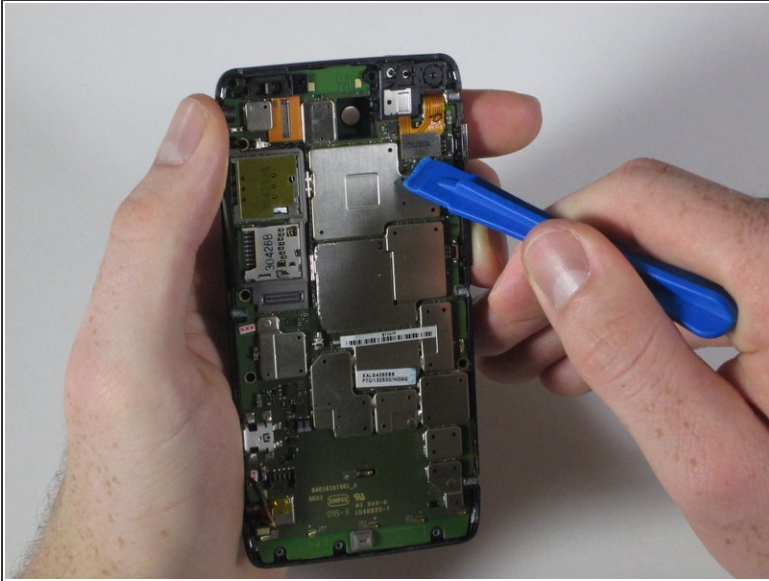


## Step 11



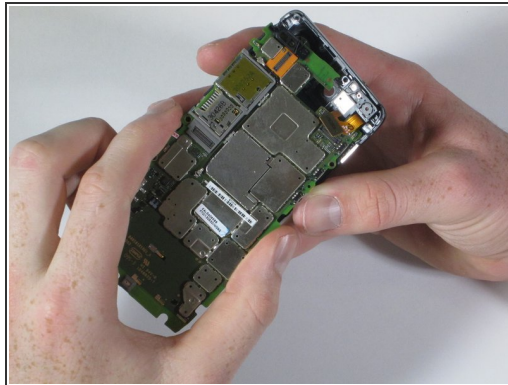
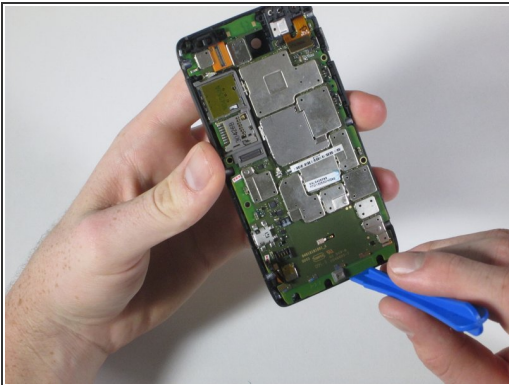
- Disconnect the snap connection in the upper left corner by prying underneath using the plastic opening tool.
- As you undo the snap connection, pull the rear facing camera off completely. It will slide out of its slot in the motherboard.

## Step 12



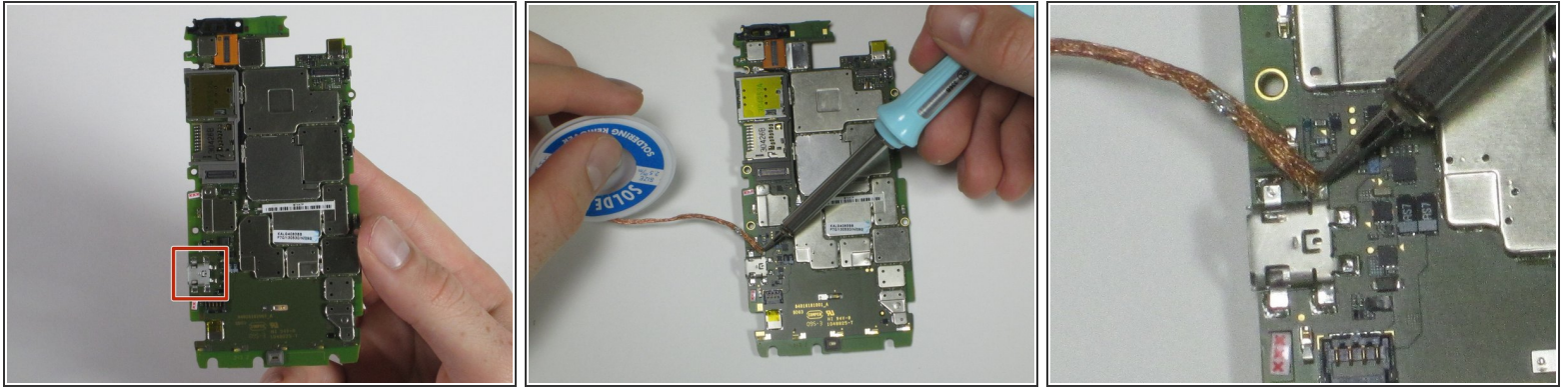
- Disconnect the snap connection in the upper right corner by prying underneath using the plastic opening tool.

## Step 13



- By inserting the plastic opening tool between the mother board and rear casing, lift the bottom of the mother board from the rear casing.
- Use your fingers to gently pull the mother board down and out of the rear casing.

## Step 14 — USB Charging Port



- i The USB charging port is located on the bottom left of the motherboard. This is indicated with a red box in the first image.
- i If you need help with soldering refer to this [soldering guide](#).
  - Place the end of the soldering iron onto one of the solder joints. Place the soldering wick onto the joint as it begins to liquify, the solder will run up the solder wick and off of the USB charging port.
  - Repeat this for each joint.

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