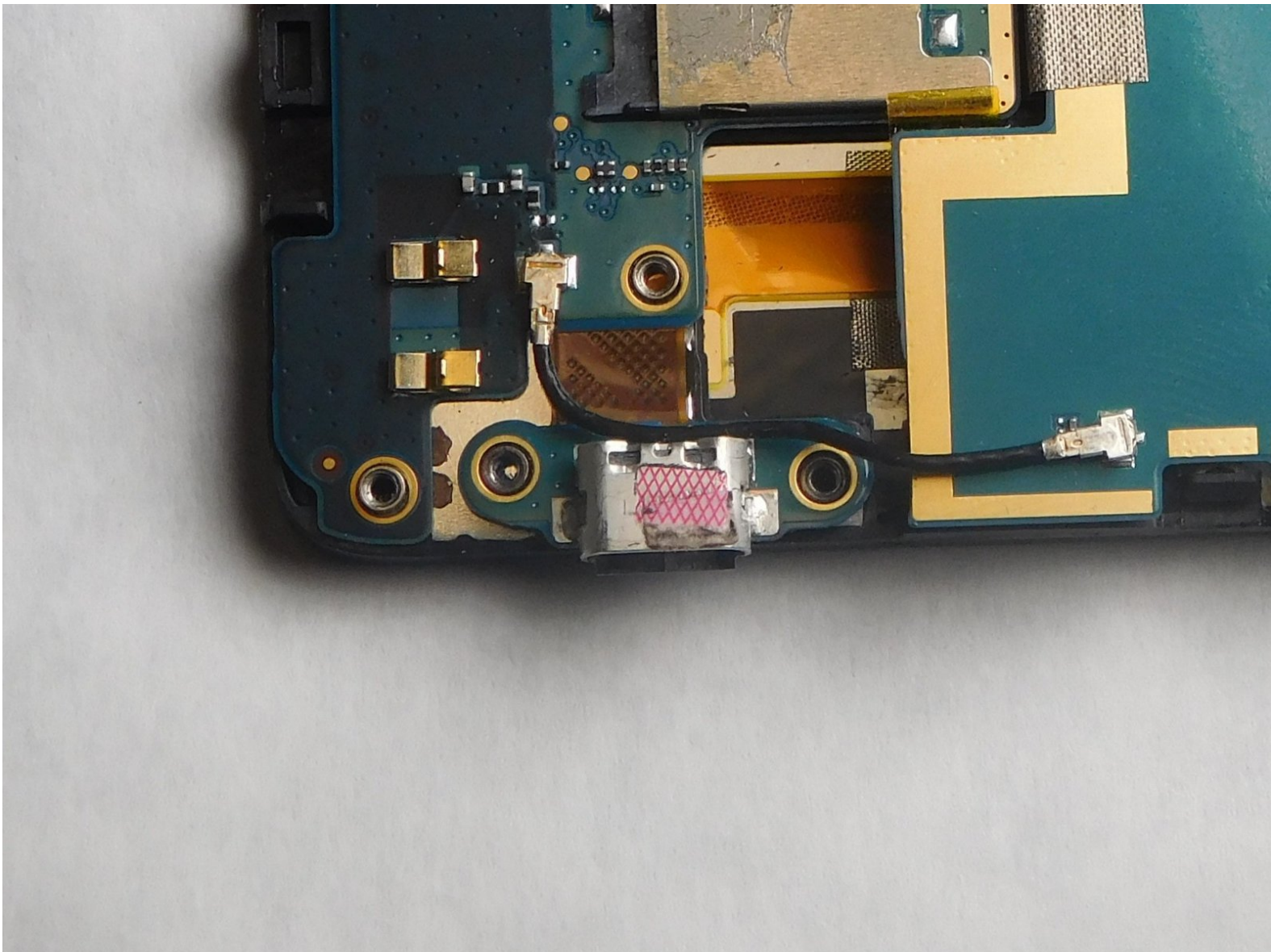




# HTC EVO Design 4G Charging Port Replacement

This guide provides instructions on how to access the charging port of an HTC EVO Design 4G in order to replace the component.

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## INTRODUCTION

Replacing this component requires intricacy and caution with moving internal parts and circuitry inside the phone to avoid further damage to the other functionalities. Proceed with caution using a soldering iron used to detach the charging port.



### TOOLS:

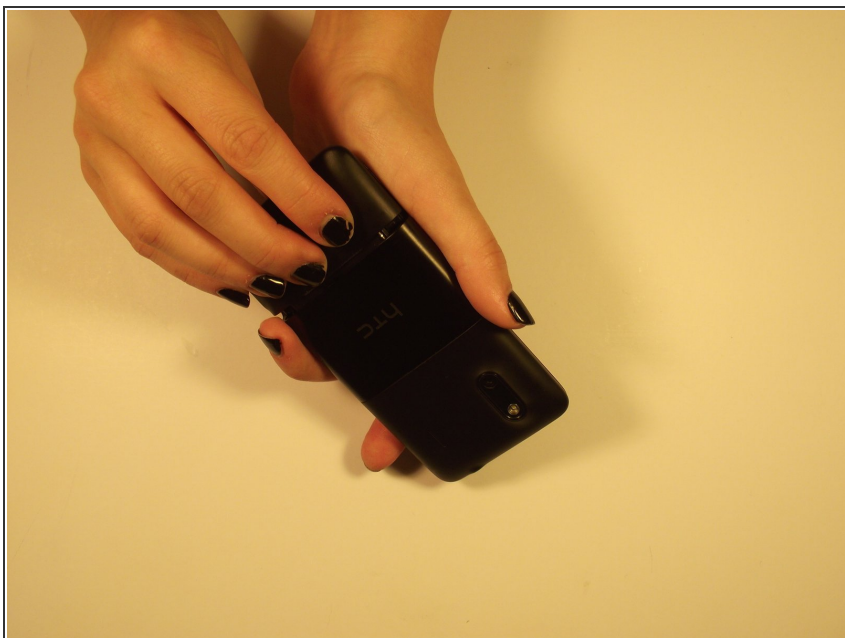
- [Desoldering Braid](#) (1)
  - [Staples](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
  - [T4 Torx Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Tweezers](#) (1)
  - [Desoldering Pump](#) (1)
  - [Soldering Iron](#) (1)
  - [Solder](#) (1)
-

## Step 1 — Screen



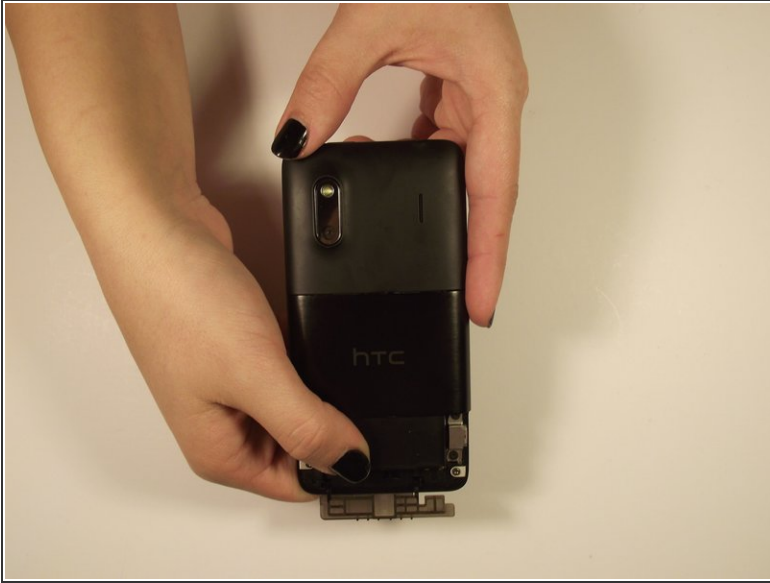
- Tools: Phillips #000 Screwdriver, T4 Torx Screwdriver, Safety Pry Tool (Guitar pick), Tweezers

## Step 2 — Removing Casing



- Use fingers on either end of the button edges of the phone to pull back cover off. It should slide off.

### Step 3 — Removing Battery



- When open, pull on “Open” tab and it should rotate towards you
- Grab the bottom edge of the battery and pull it toward you

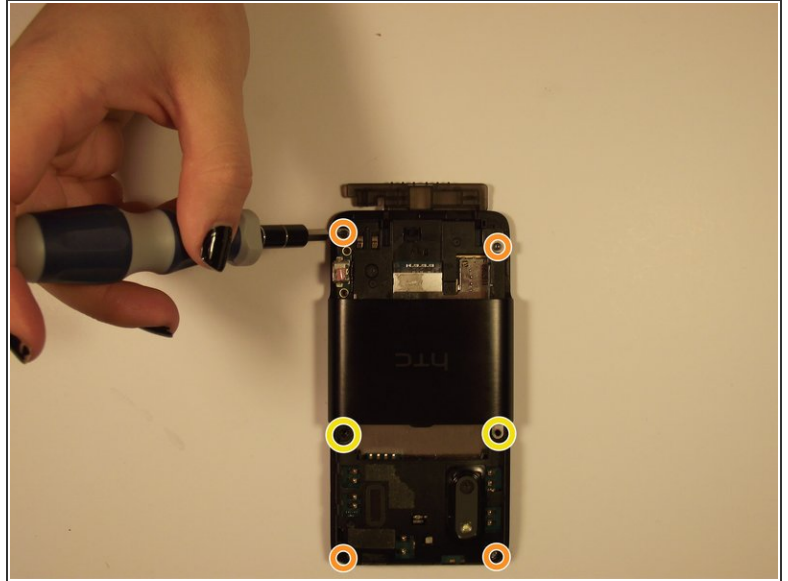
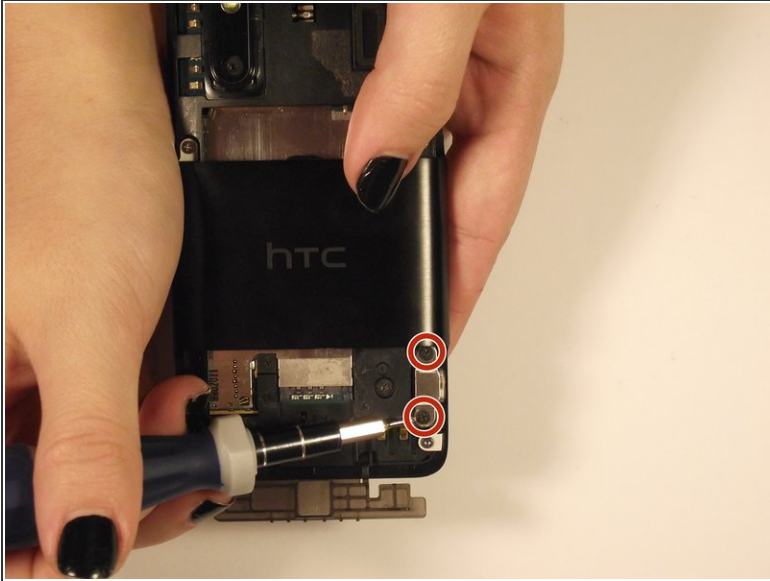


## Step 4 — Removing Casing



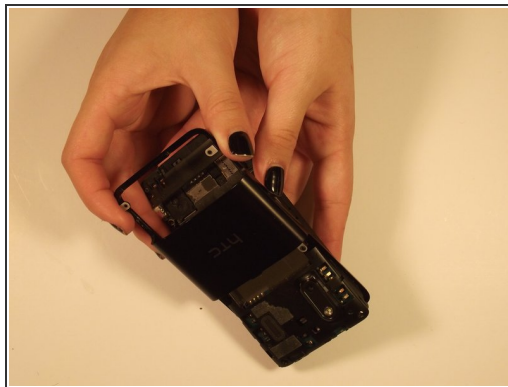
- On the side of the top casing on the phone there should be a slot. Use your safety pry tool (guitar pick) pry around the perimeter of the casing to remove it
- Info\*: The adhesive tape that you may find will not be necessary for replacement later

## Step 5 — Removing Screws



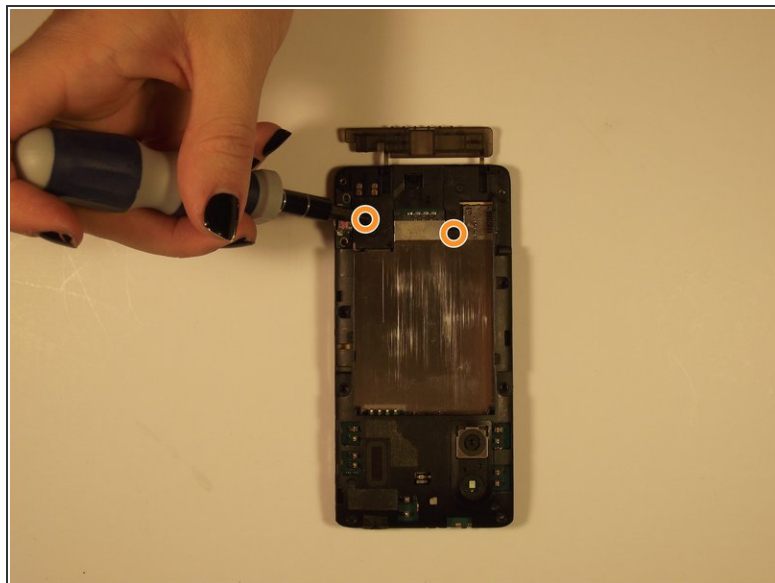
- Remove the two Phillips screws to release the casing above the port
- Remove the top and bottom pairs of Torx screws.
- Remove the middle pair of two Phillips screws.

## Step 6 — Removing Casing



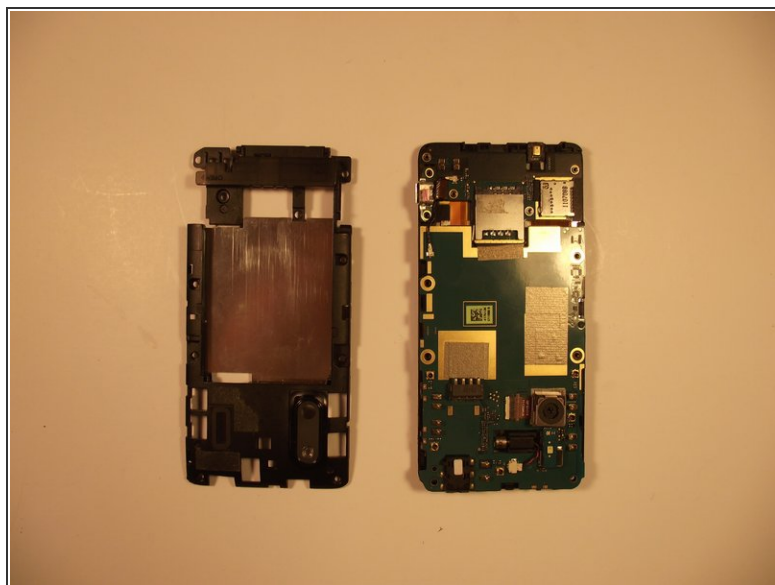
- To remove the remaining cover, lift the side port, which was previously uncovered, then lift the outer shell from the bottom of the phone and slide it forward

## Step 7 — Removing Screws Continued



- Remove the two revealed screws on the outside (Torx = red, Phillips = orange), and then remove the two phillips on the bottom of the phone

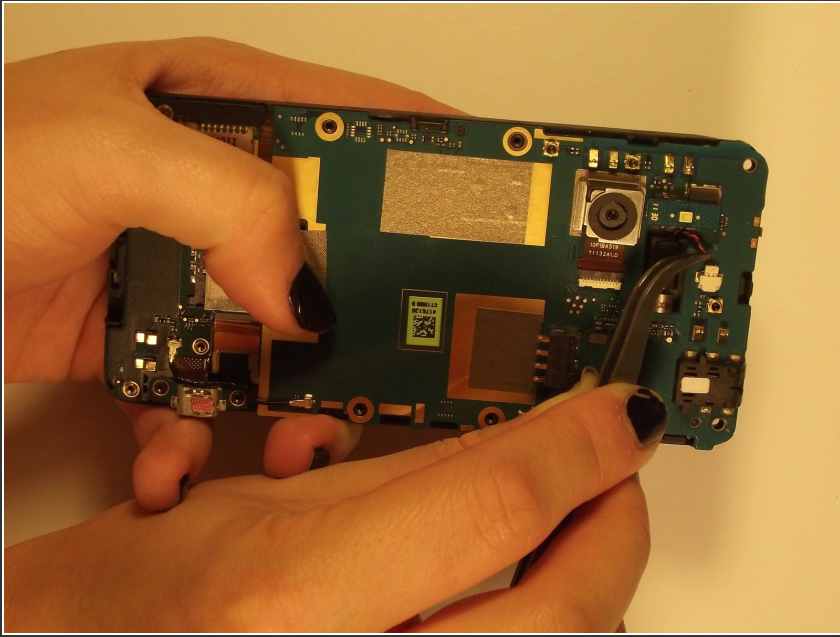
## Step 8 — Removing Rear Housing



- Remove the rear housing by prying around the edge with your Safety Pry Tool

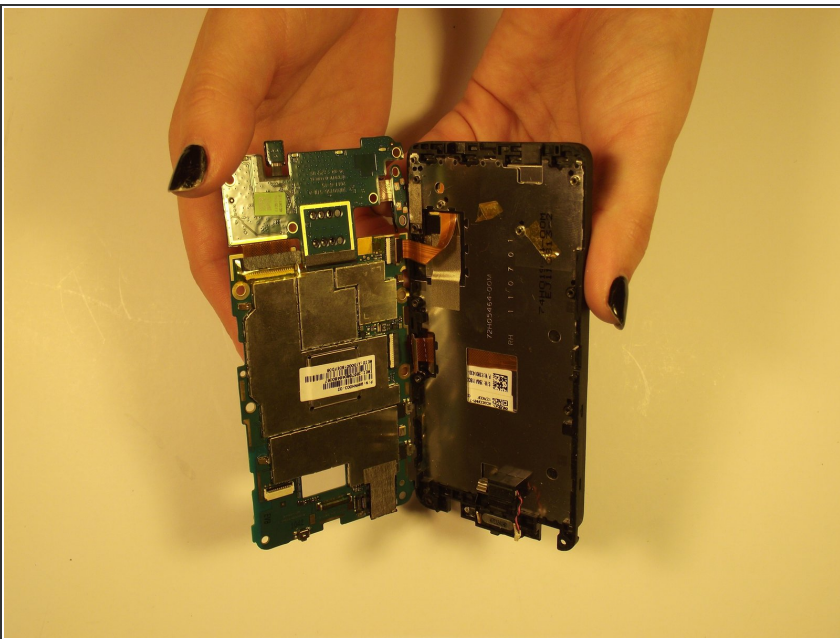


## Step 9 — Pull the Plug



- Unplug the wire connecting the vibrator to the board with your tweezers

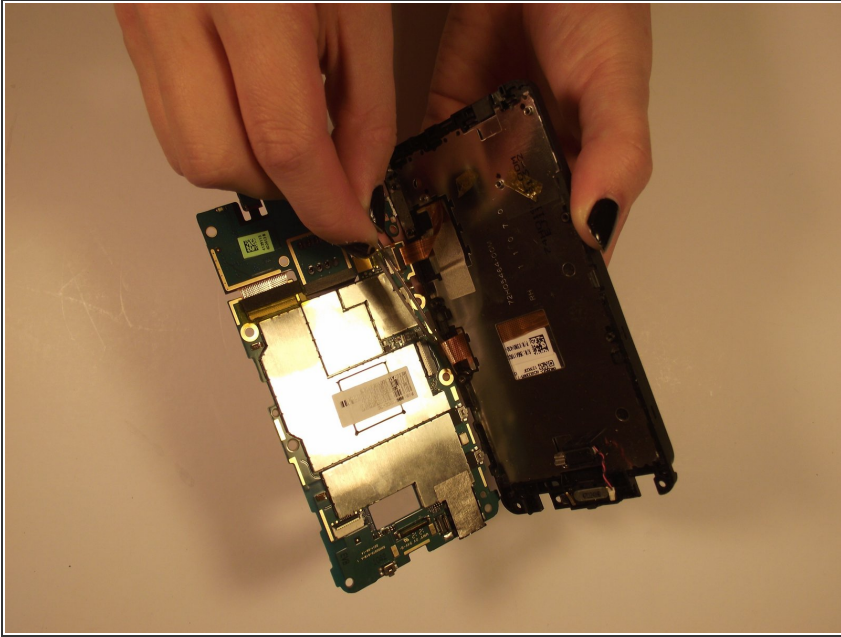
## Step 10 — Like a Book



- Unfold motherboard from the screen (open carefully like a book)

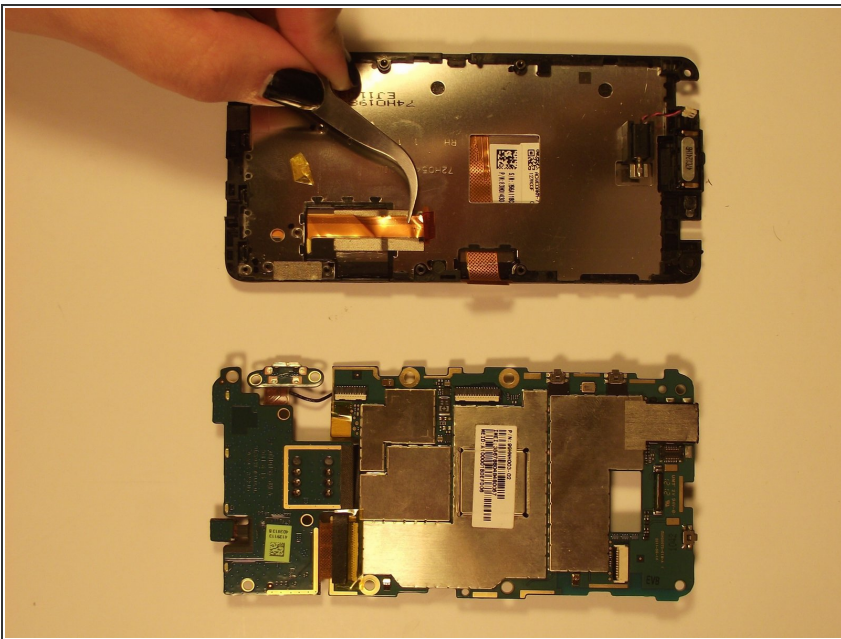


## Step 11 — Flex Cables



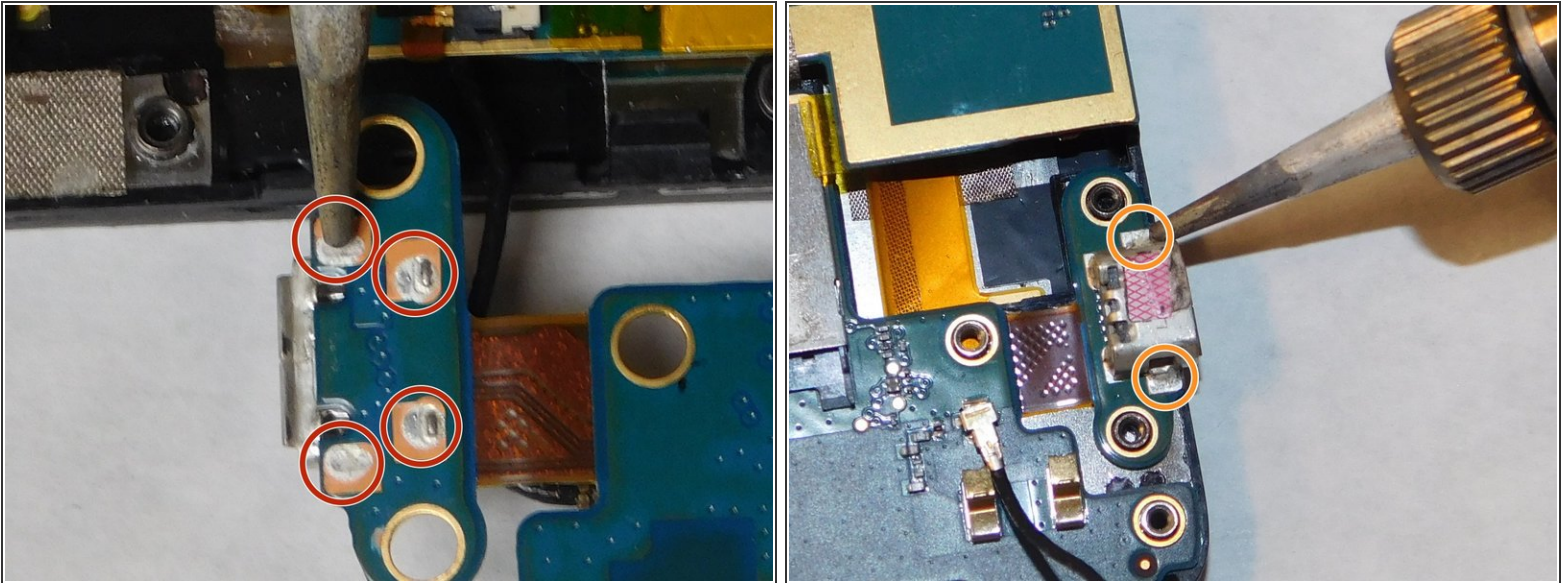
- Disconnect the two aluminum flex cables

## Step 12 — Broken Bond



- The flex cables should be the only binding and after being removed should leave you with the separate screen

## Step 13 — Charging Port



- Use solder sucker to remove solder from the back of charging port
- Use solder sucker to remove solder from the front of charging port
- There are 2 soldering locations from the top view and 4 locations from the bottom view
- ⓘ Refer to the [How To Solder and Desolder Connections](#) guide if needed.
- ⚠ Solder sucker will be very hot

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