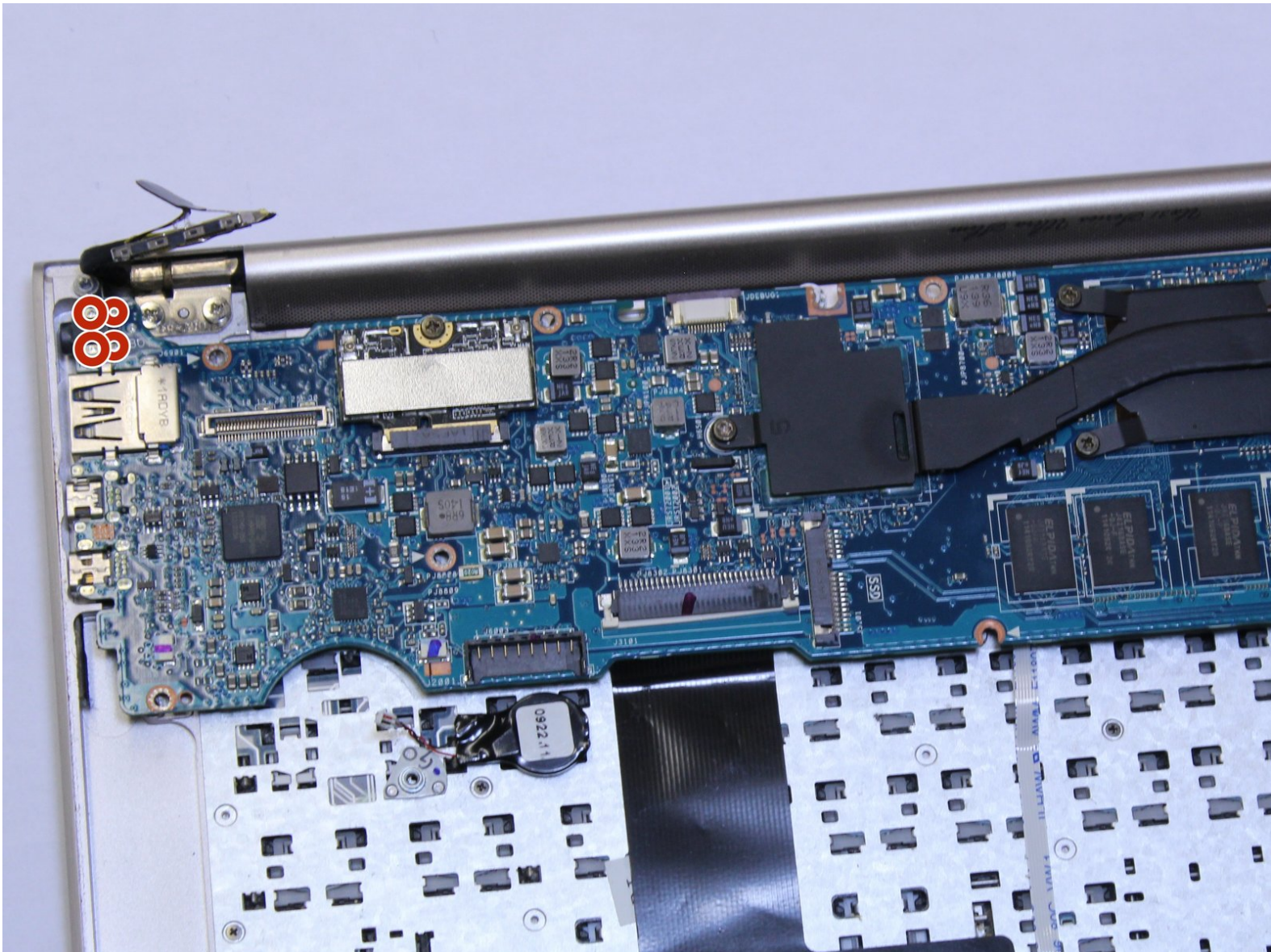




# Asus Zenbook UX31E Charging Port Replacement

If you have found that your Asus Zenbook UX31E...

Written By: Austin Buttle



## INTRODUCTION

If you have found that your Asus Zenbook UX31E is refusing to charge upon plugging it into the adapter or your screen is flickering upon usage of the adapter your problem may be with the charging port.

The charging port acts as a lifeline between the power outlet and the battery of your Zenbook, it is necessary to ensure a safe replacement of the charging port if and when needed to avoid further issues with the life of your Zenbook.

If your Zenbook is able to connect to your adapter when plugged in but is not holding a charge, your issue may be with the [battery instead](#).

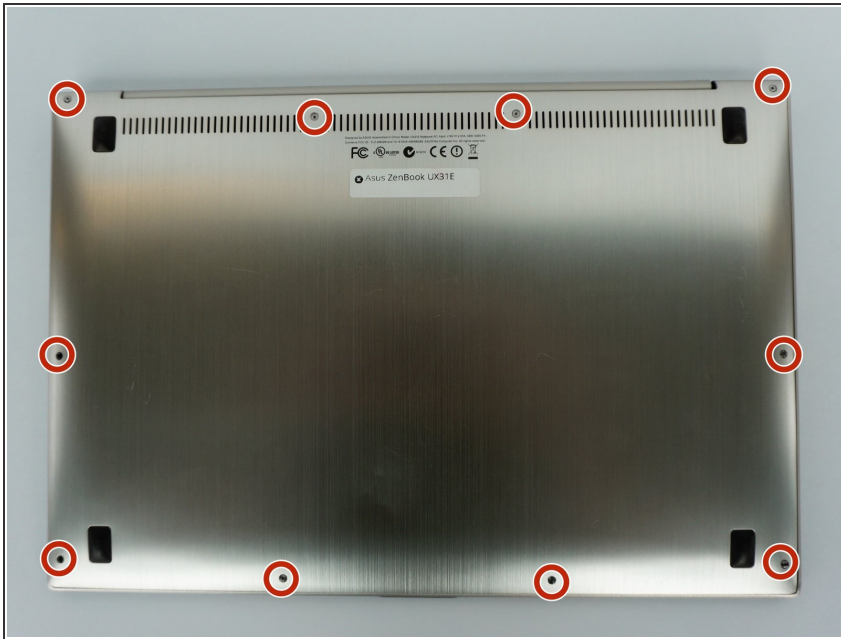
As with all electronic repairs, your Zenbook should be powered off completely and not plugged into any power sources.



### TOOLS:

- [T4 Torx Screwdriver](#) (1)
  - [iFixit Opening Tool](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Anti-Static Wrist Strap](#) (1)
  - [Soldering Workstation](#) (1)
  - [Lead-Free Solder](#) (1)
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## Step 1 — Back Cover



- Using a T4 Torx screwdriver, remove the ten screws at the marked locations.
- ❗ Place the screws into a container as to not lose them.

## Step 2



- Carefully slide your iFixit Opening Tool between the back panel.
- Lift the back plate of your ASUS ZenBook UX31E, and place it to the side.

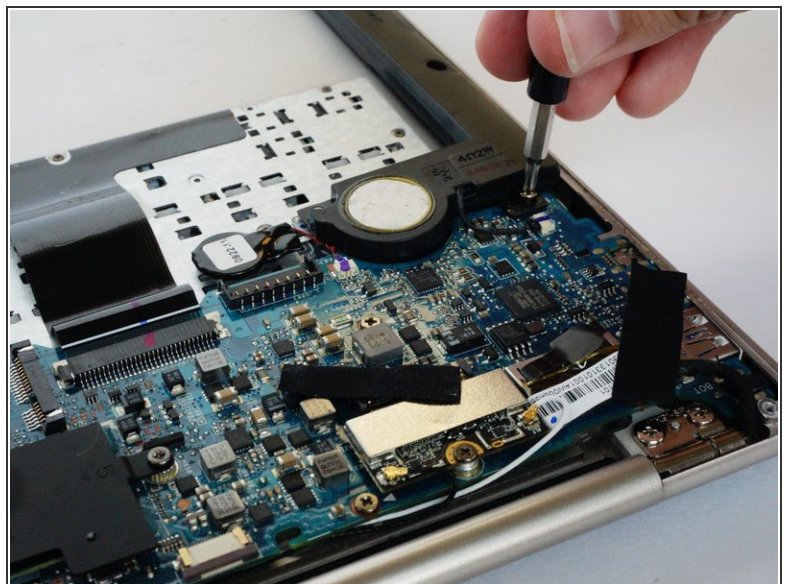
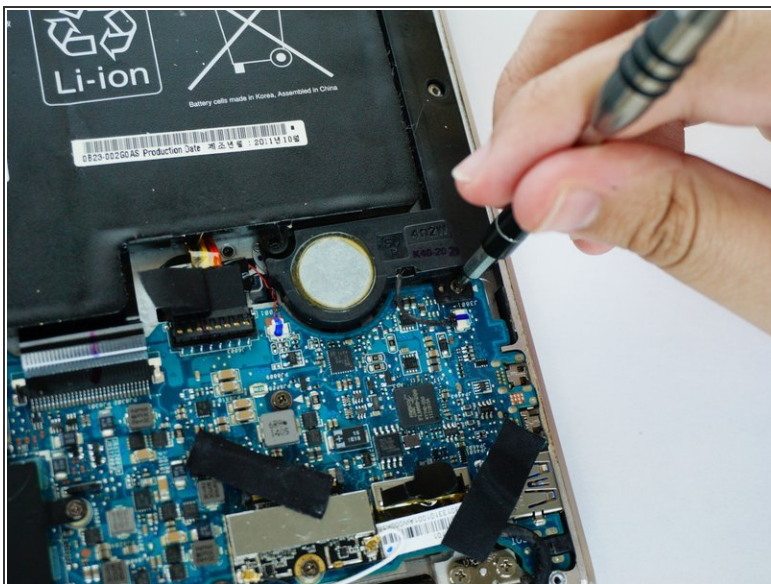


## Step 3 — Speaker



- Use the plastic opening tool to pry open the back cover of the laptop.
- Remove the bottom panel of the laptop.

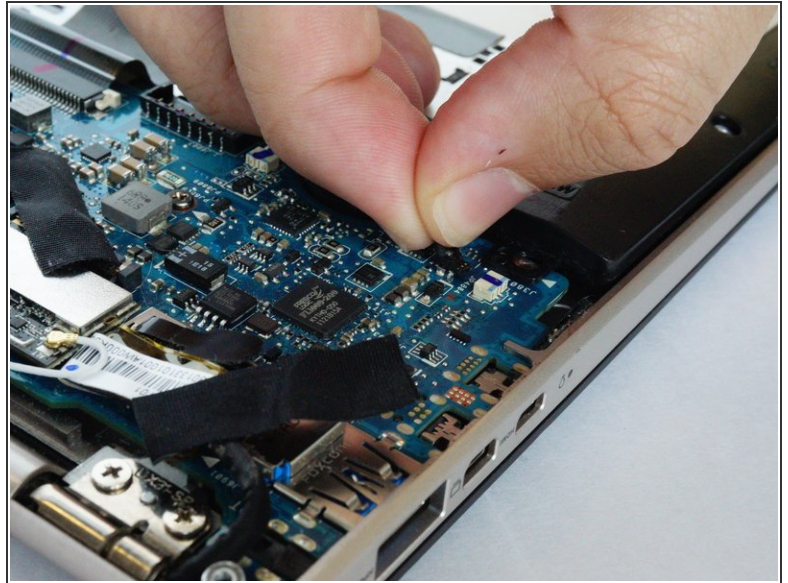
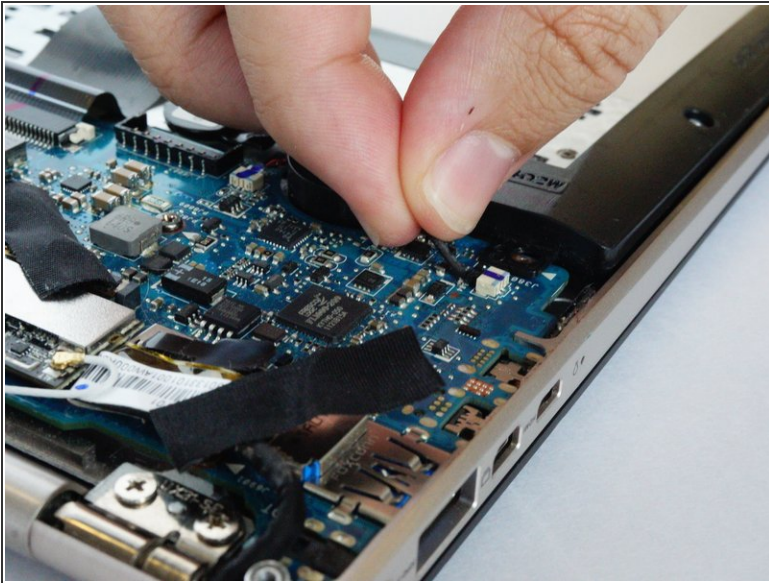
## Step 4



- Remove the screw connecting the speaker component to the motherboard using the screwdriver.

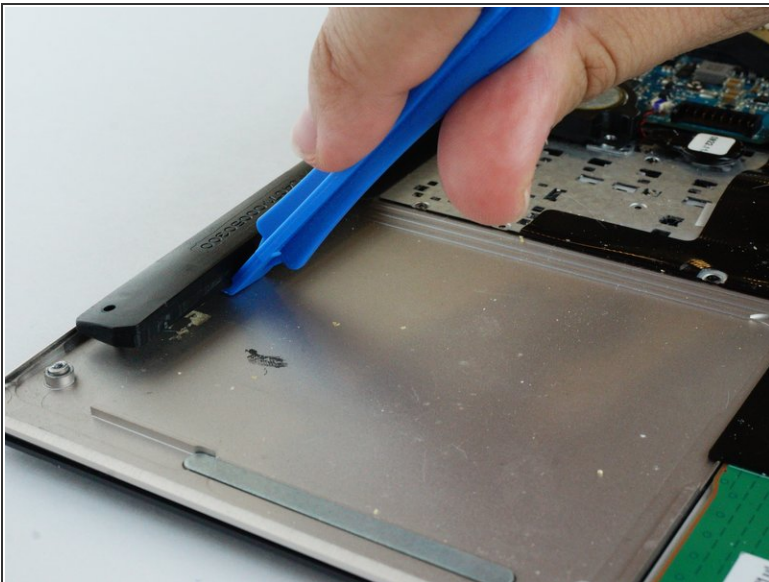


## Step 5



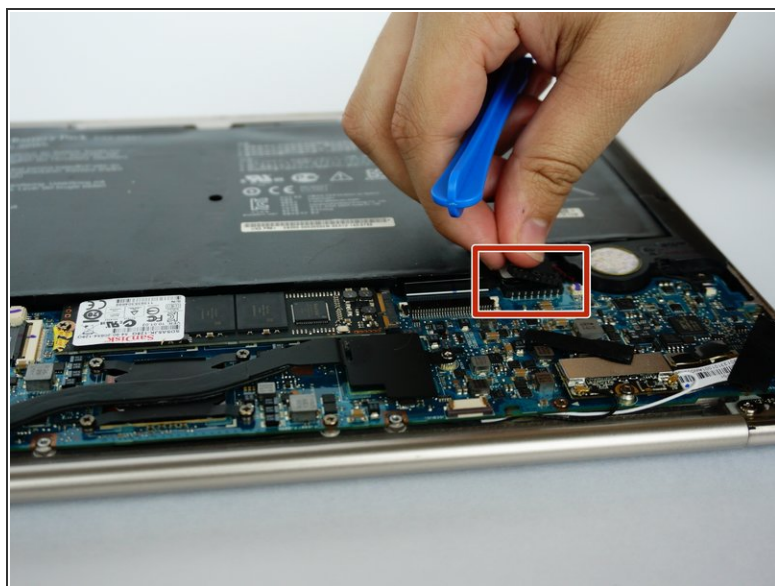
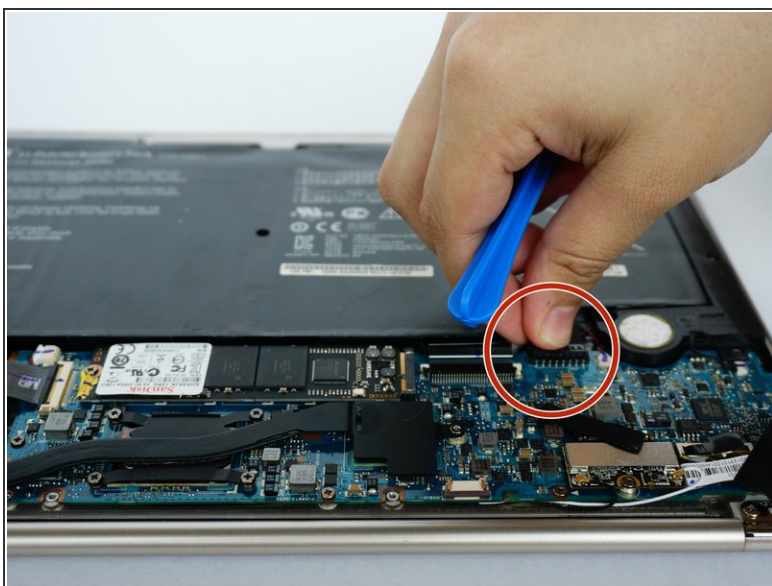
- Disconnect the sound cable from the motherboard.

## Step 6



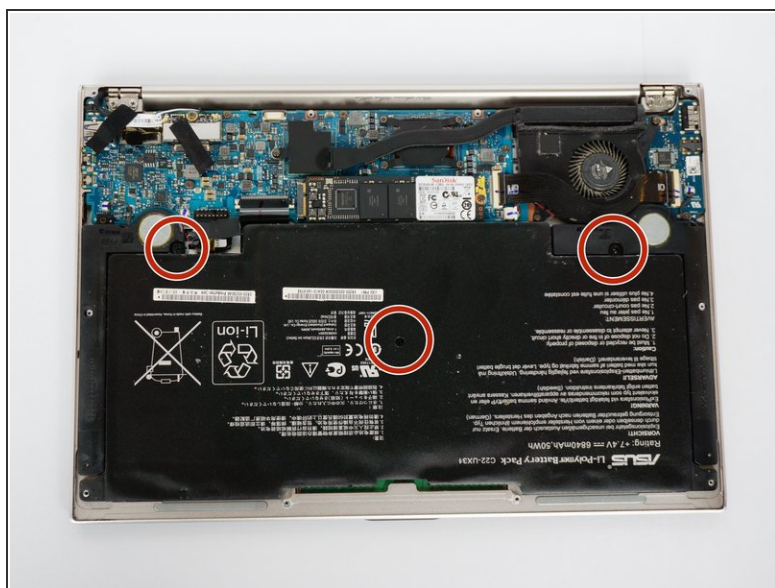
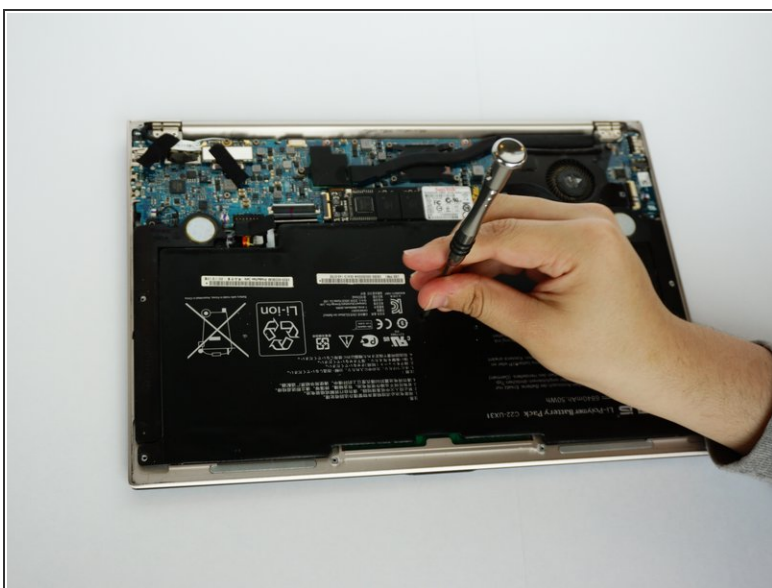
- Using the plastic opening tool, pry open the speaker component from the computer.

## Step 7 — Battery



- Disconnect the battery from the motherboard by gently pulling up and down on the connector.

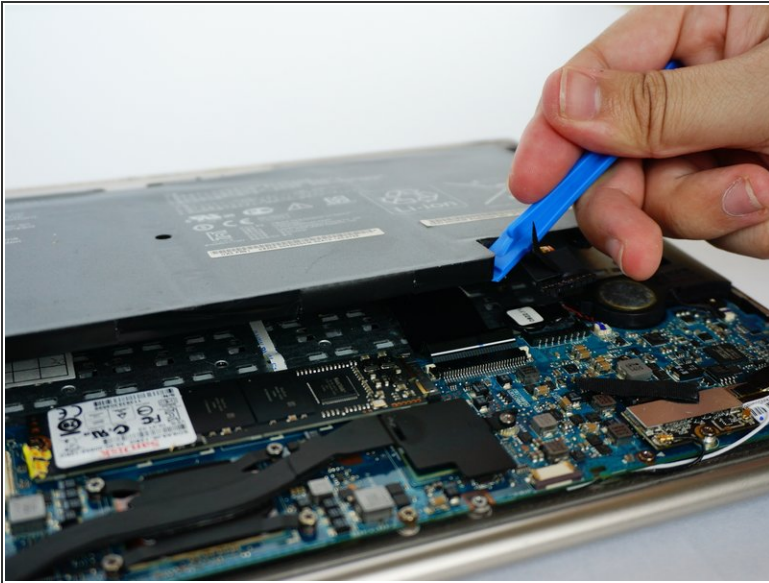
## Step 8



- Using the Phillips #00 screwdriver, remove the screws from the middle and the two corners of the battery.
- ⓘ Place the screws into a container as to not lose them.

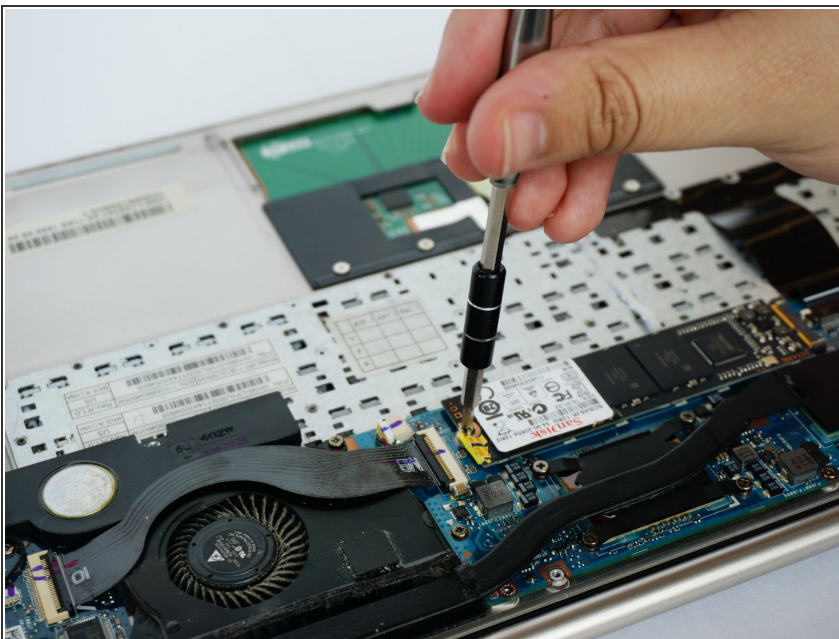


## Step 9



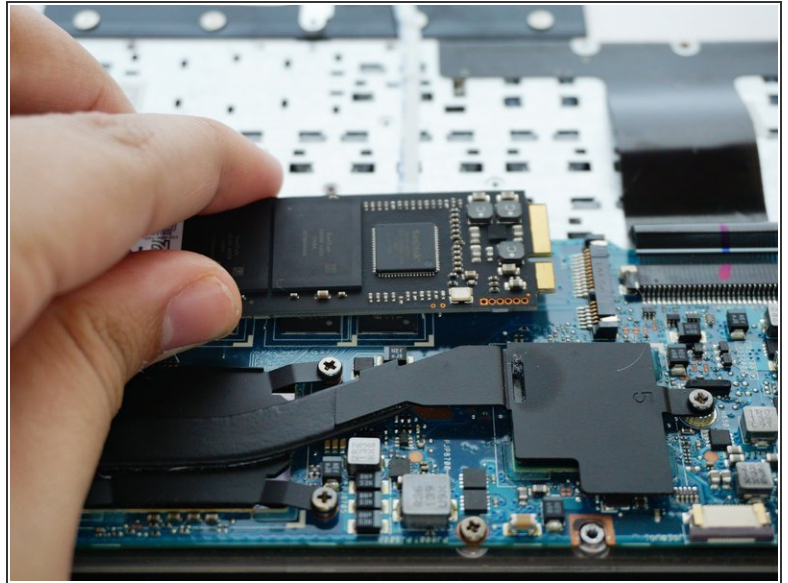
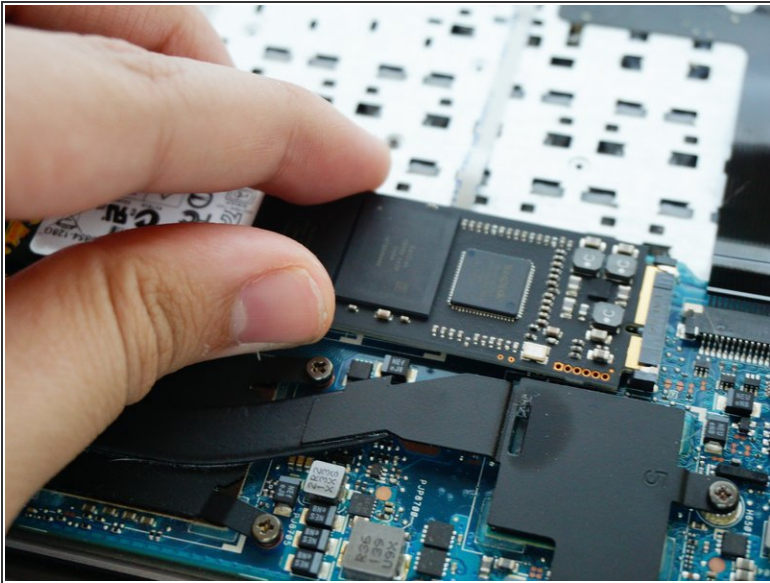
- Remove the battery. (Picture-1)
- Picture of what the battery looks like.(Picture-2)

## Step 10 — SSD



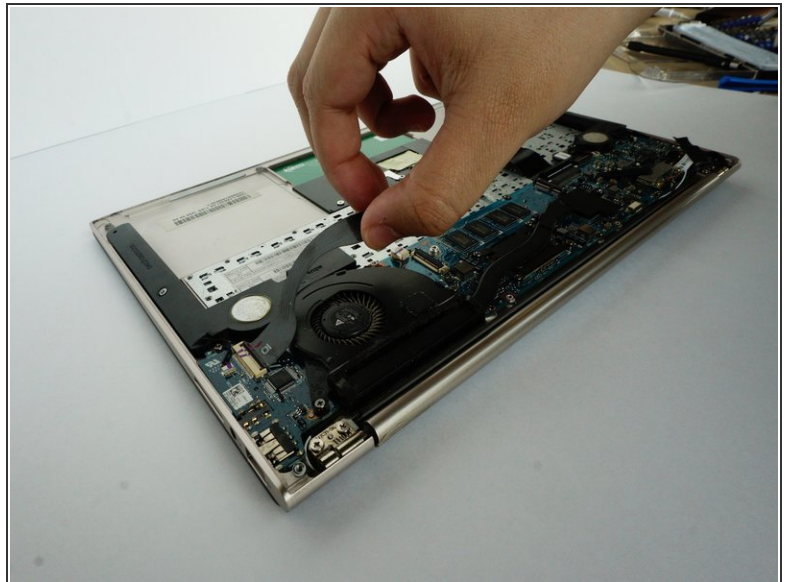
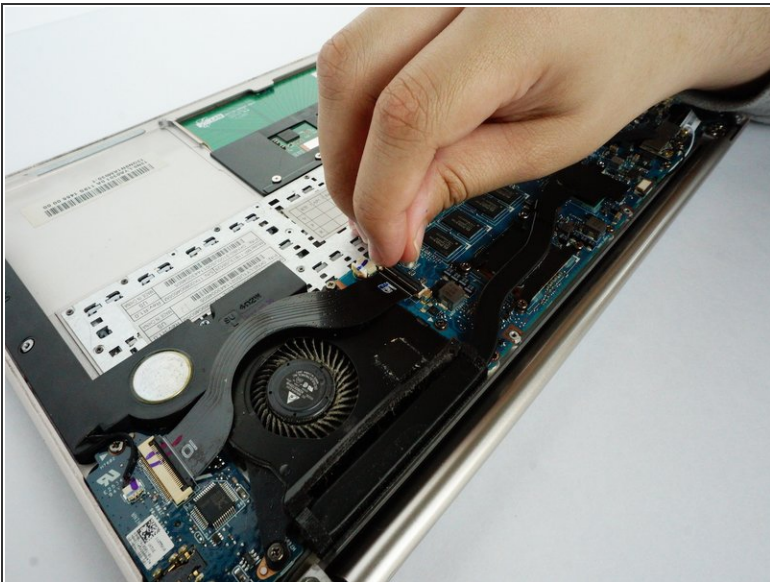
- ☒ Attach your Anti-Static Wrist Wrap to something metal as to not shock your system.
- Peel back the warranty sticker to reveal the screw under it.
- Using your Phillips #00 Precision Screwdriver, unscrew the screw that you just revealed.

## Step 11



- Using your hand, pull the SSD out from its slot.

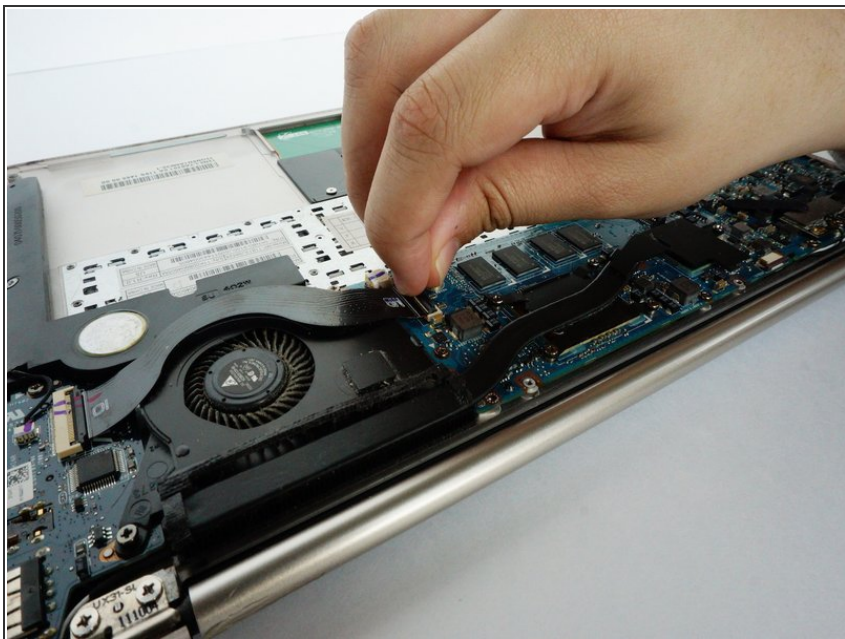
## Step 12 — Fan



- Disconnect the ribbon between the IO and the motherboard on both sides.

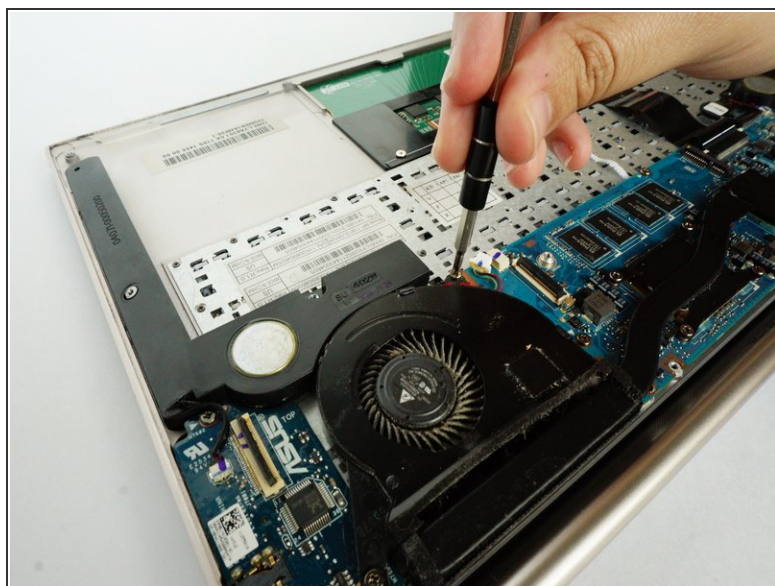
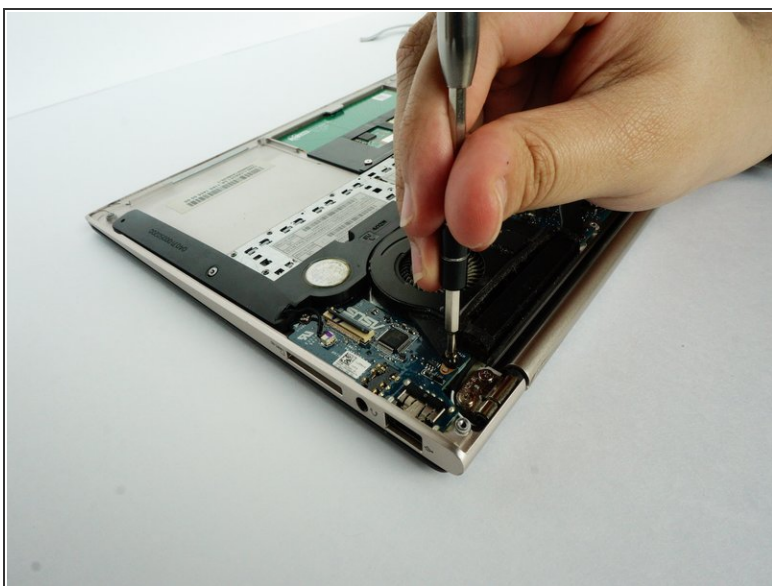


## Step 13



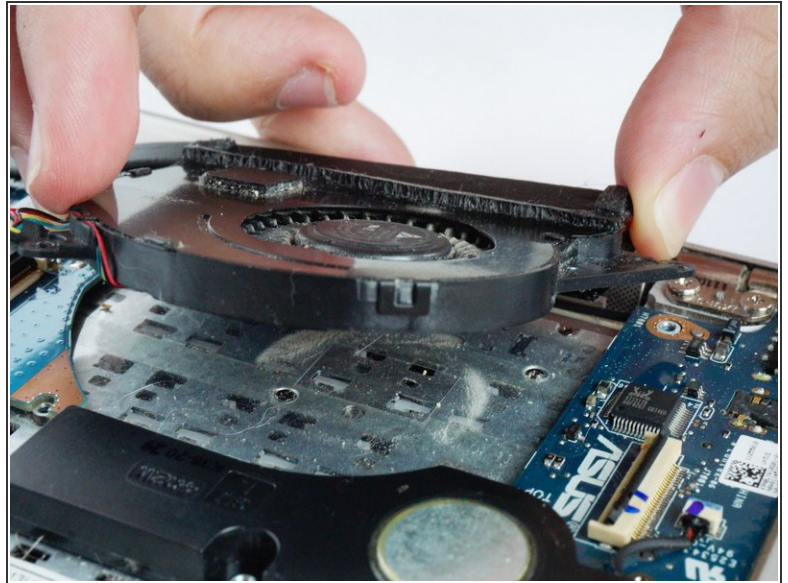
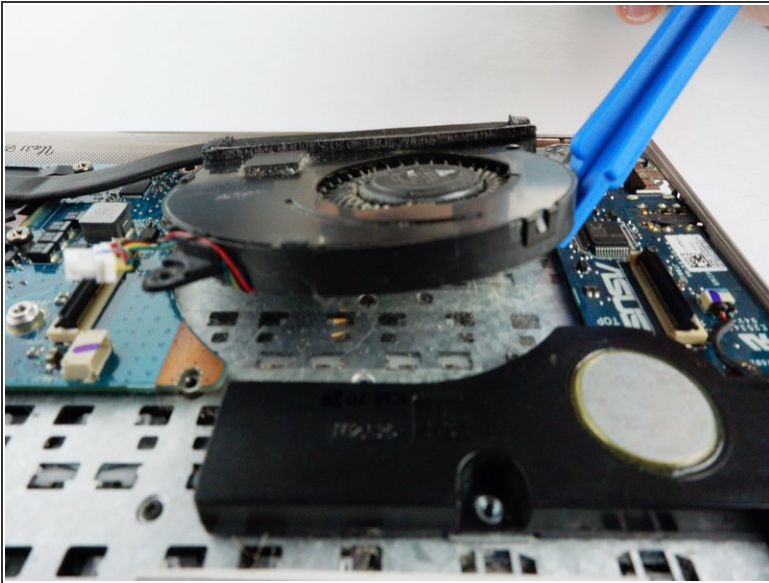
- Disconnect the fan connector from the motherboard.
- Pull up the clips on the ribbon connectors.

## Step 14



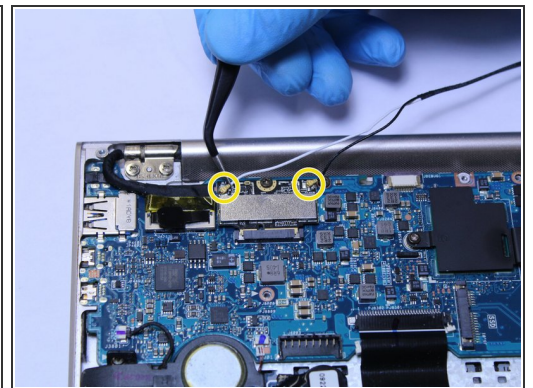
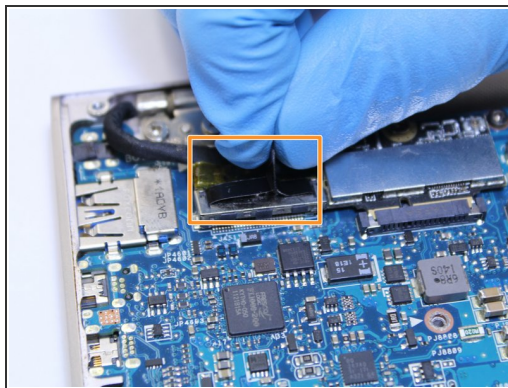
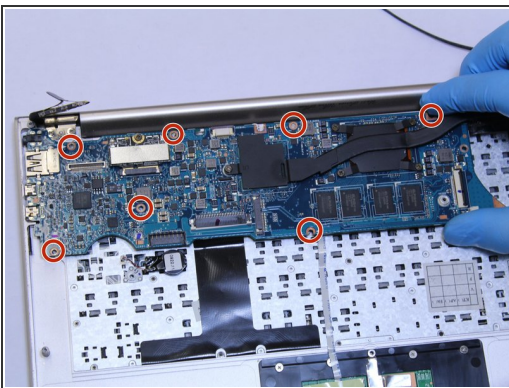
- Unscrew the two screws that are across each other.

## Step 15



- Using a plastic opening tool, lift the fan off of the laptop.
- You can now use your hands and carefully pull the fan off the laptop.

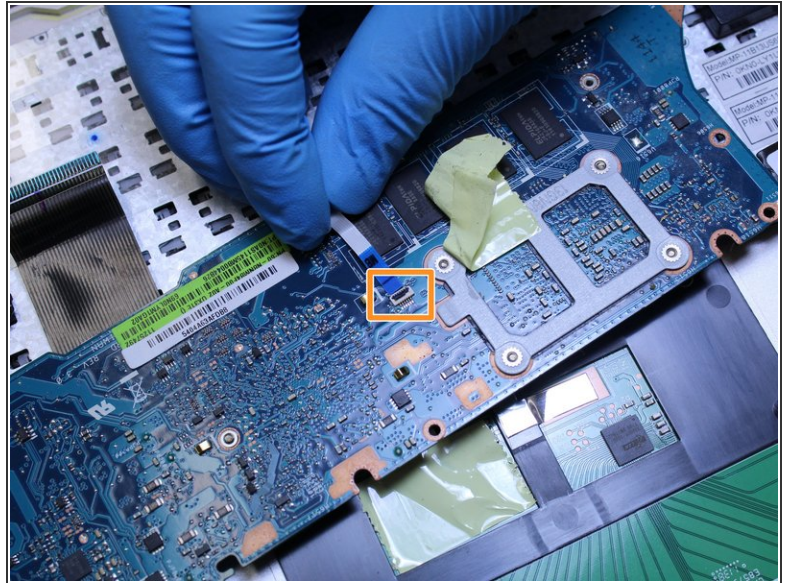
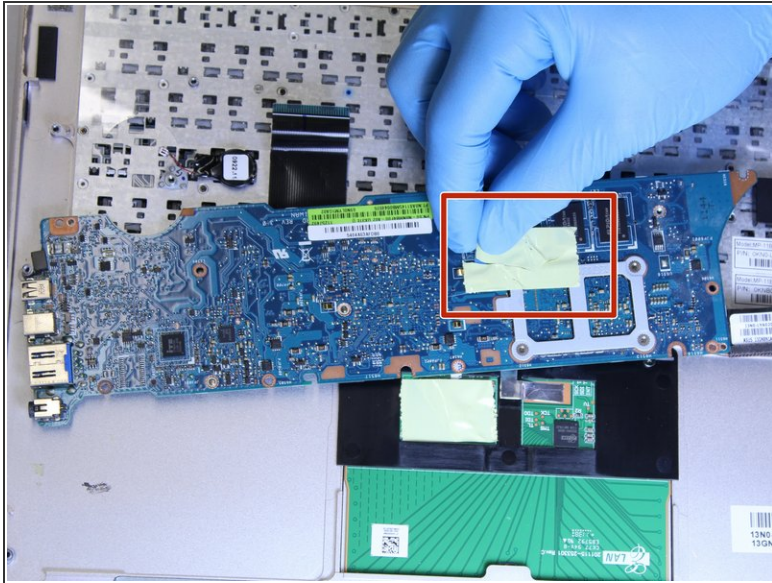
## Step 16 — Motherboard



- Remove the 7 screws holding the motherboard in the case with a Phillips #00 screwdriver.
- Remove the press fit connector attaching the motherboard to the screen.
- Remove the two cables that are still attached to the motherboard. You will need to use needle nose tweezers to remove these.

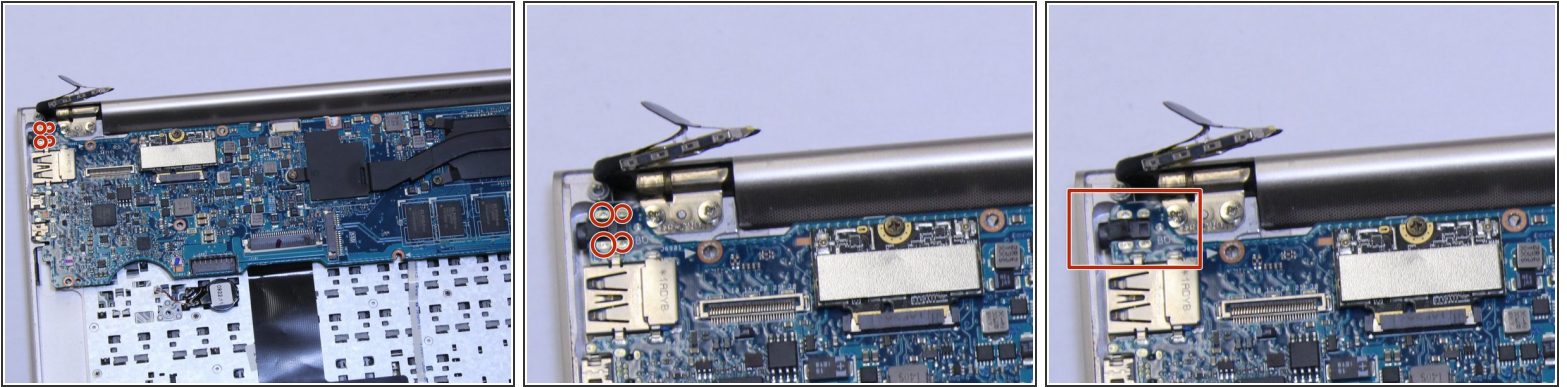


## Step 17



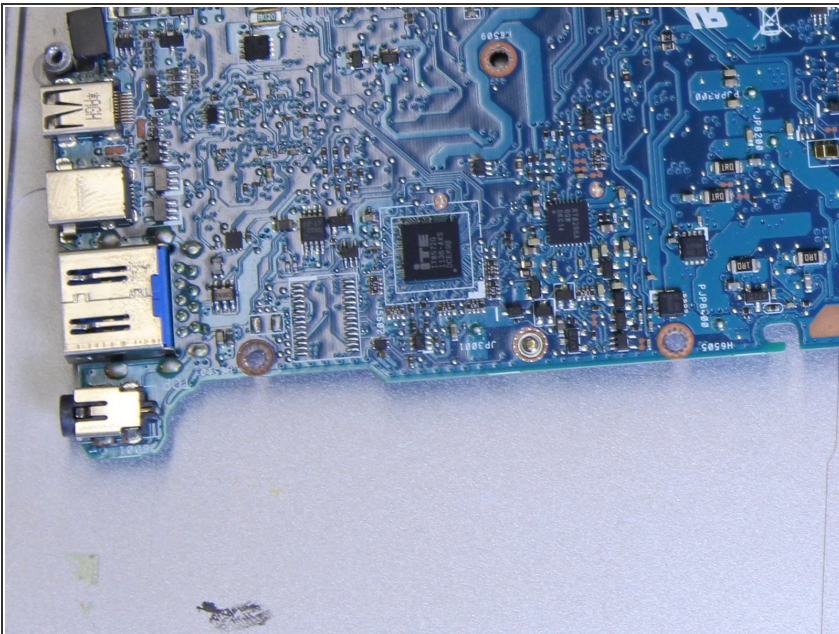
- Lift gently and flip the motherboard over in the direction of the track pad.
- Peel off the the yellow tape.
- Detach the ZIF connector on the underside of the motherboard connecting it to the keyboard.
- Remove the motherboard.

## Step 18 — Charging Port



- Flip the motherboard over so that the topside is facing up.
- Use a soldering iron to heat up the four solder points surrounding the charging port.
- [Click here to see how to use a Soldering iron on a motherboard without a heat gun](#)

## Step 19



- Pull the charging port up from the motherboard with a pair of tweezers while the solder is still liquid.

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