Toshiba Tecra Z50-A Motherboard Replacement

(1) The motherboard of a laptop is a vital...

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INTRODUCTION

- The motherboard of a laptop is a vital piece of your computer, if you find that the performance or functionality of your device is limited, then it may be time for the part to be replaced.
- If you are positive that the motherboard of your Toshiba Tecra z50-a is damaged or causing issues, then it's time for it to be replaced. Follow this guide to learn how to replace the motherboard of the laptop.
- Before disassembling the laptop, ensure it is powered off and nothing is plugged into the device.
- Remove any rings, bracelets, or any other metal objects from your hands.

🔧 TOOLS:

Arctic Silver ArctiClean (1)
Arctic Silver Thermal Paste (1)
Coffee Filters or a lint-free cloth (1)
Spudger (1)
Isopropyl Alcohol (1)
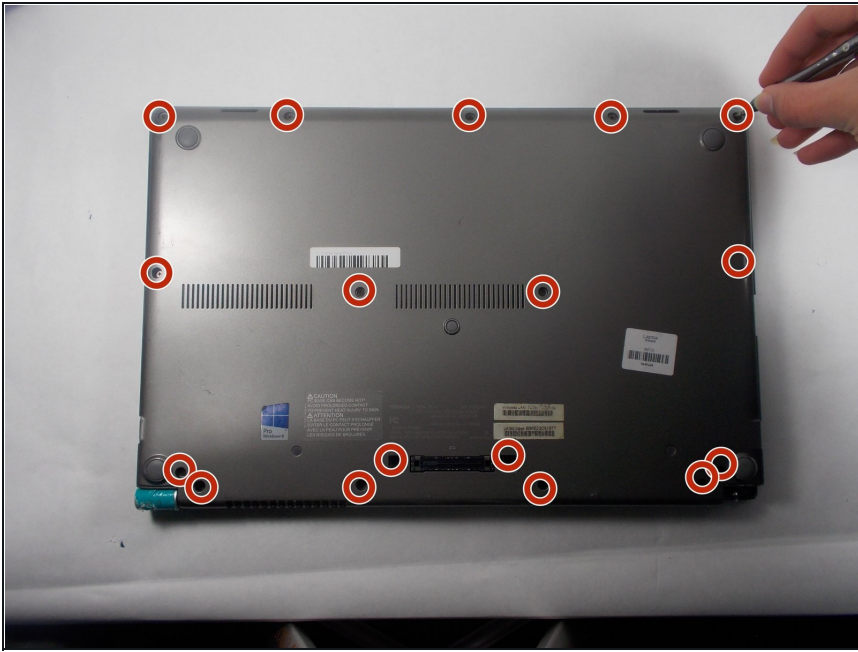Phillips #0 Screwdriver (1)
Anti-Static Mat (1)
Anti-Static Wrist Strap (1)
ESD Safe Blunt Nose Tweezers (1)
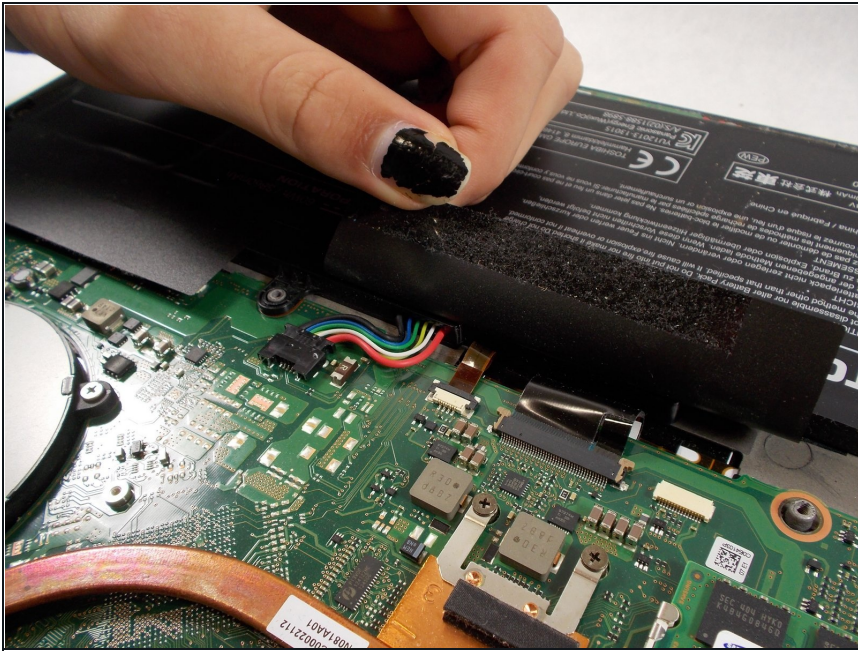
Step 1 — Back Panel

- Turn off the laptop.

- Flip the laptop over so the bottom is facing upwards and the hinges are closest to you.

- Remove the fifteen 5 mm screws from the back panel using a Phillips #0 screwdriver.

Step 2

- Lift up back panel using your hands and remove it from the rest of the laptop.

Step 3 — Battery

- Lift the plastic covering over the battery plug.

Step 4

- Pull the wired cable up towards the top of the laptop to disconnect it from its socket on the motherboard.

Step 5

- Remove the single 2 mm screw from the corner of the laptop using a Phillips #0 screwdriver.
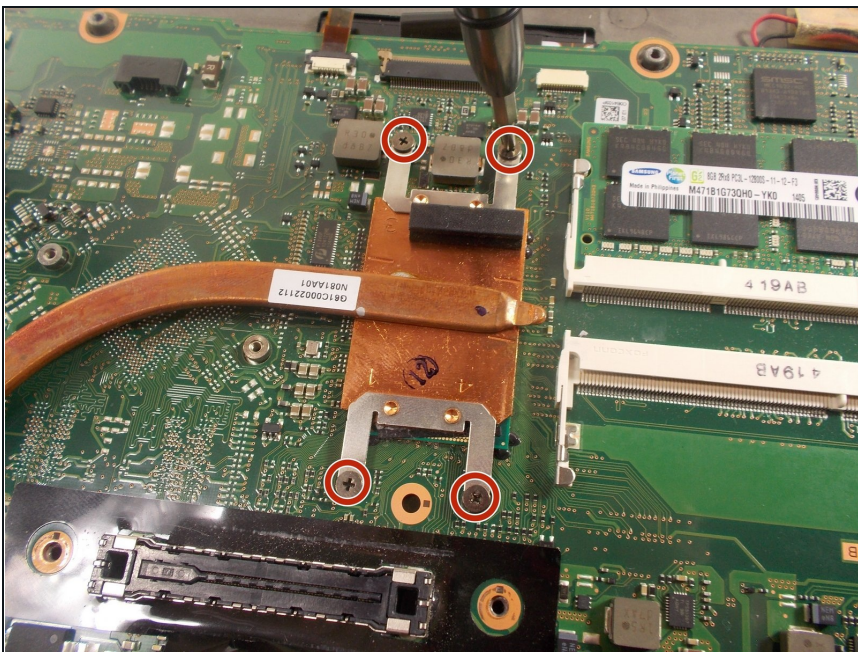
Step 6

- Remove the three 3 mm screws from the battery using a Phillips #0 screwdriver.

Step 7

- Lift up on the battery with your hands and remove it from the laptop.

Step 8 — CPU Fan and Heat Sink

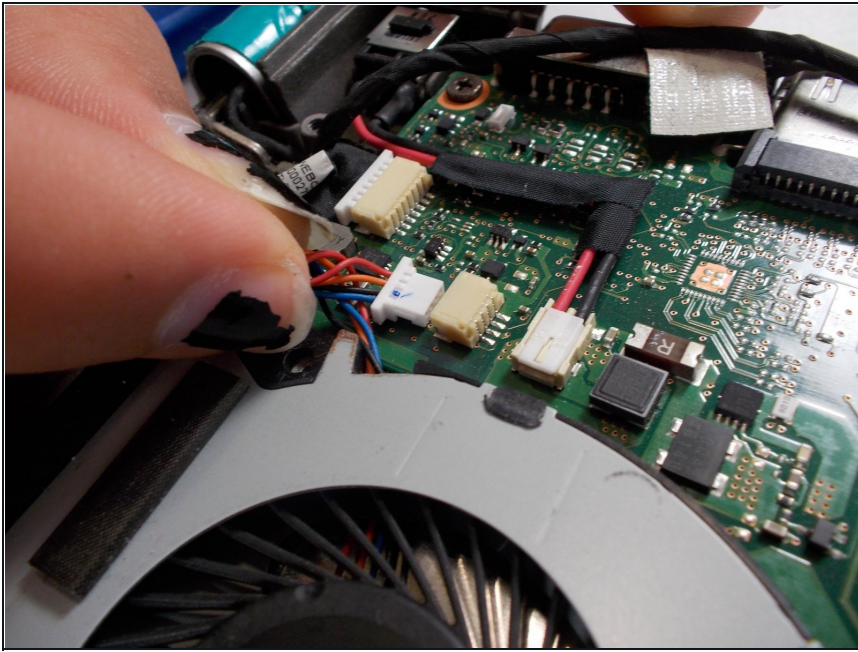- Remove the four 3 mm screws from the heat sink using a Phillips #0 screwdriver.

Step 9

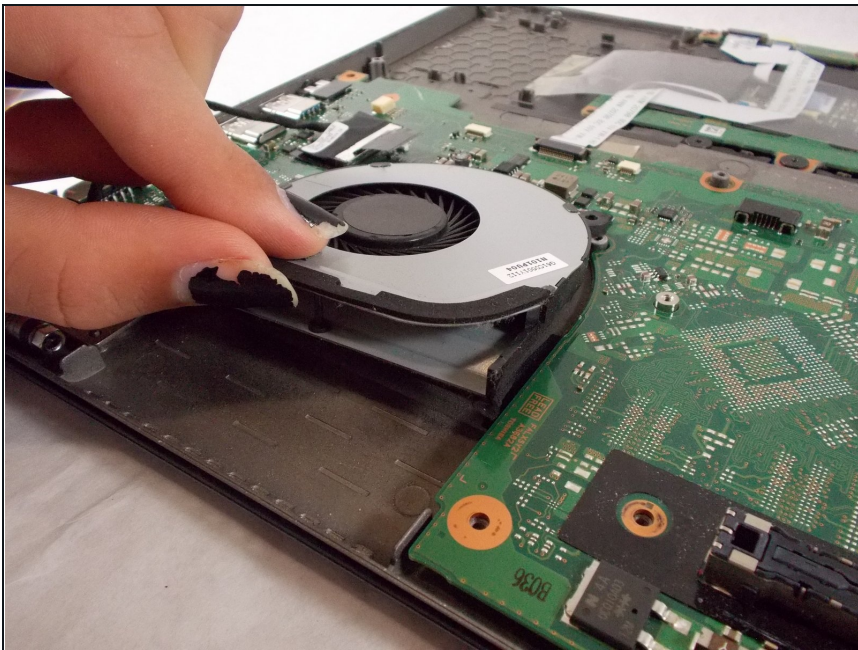- Remove the two 4 mm screws from the fan using a Phillips #0 screwdriver.

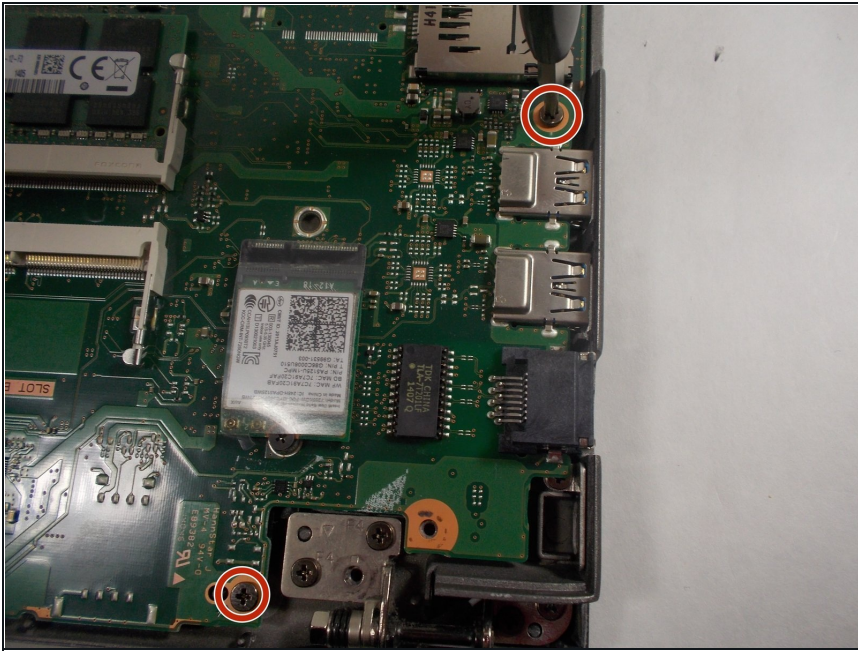## Step 10
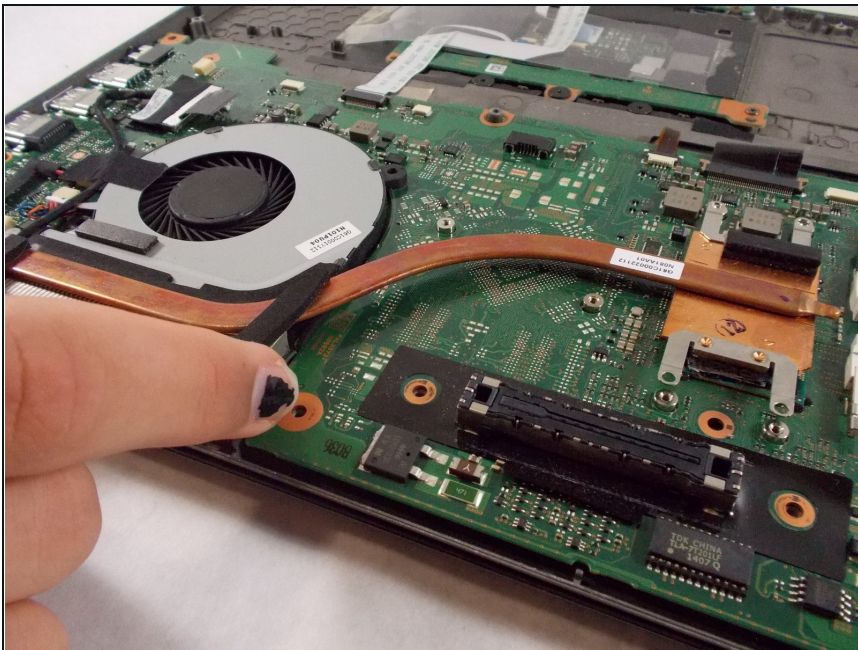
- Remove the heat sink from the laptop.

Step 11

- Pull towards the bottom of the laptop to disconnect the fan cable from its connector on the motherboard.
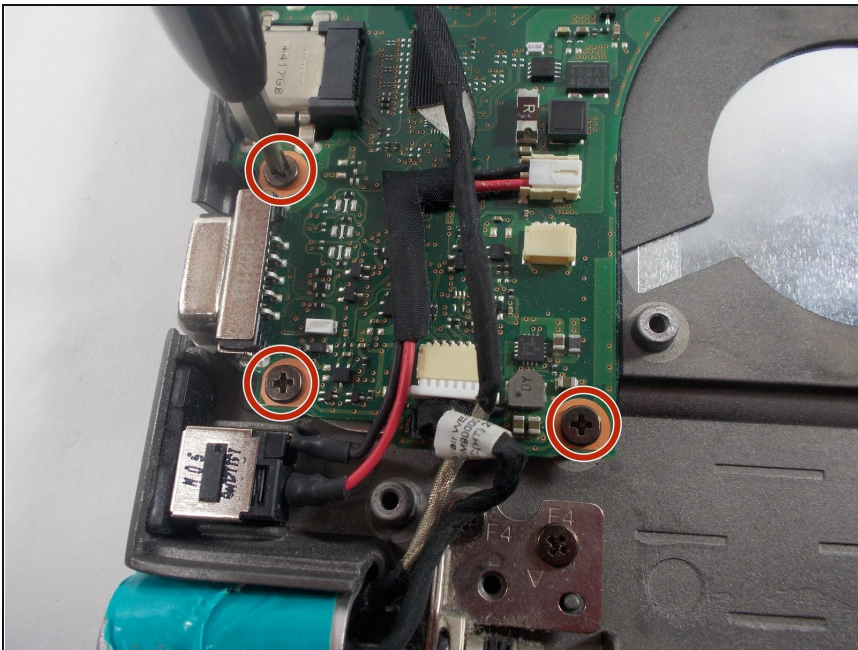
Step 12

- Lift up on the fan and remove it from the laptop.

- ⊡ When replacing the fan and heat sink, be sure to [reapply thermal paste.](#)
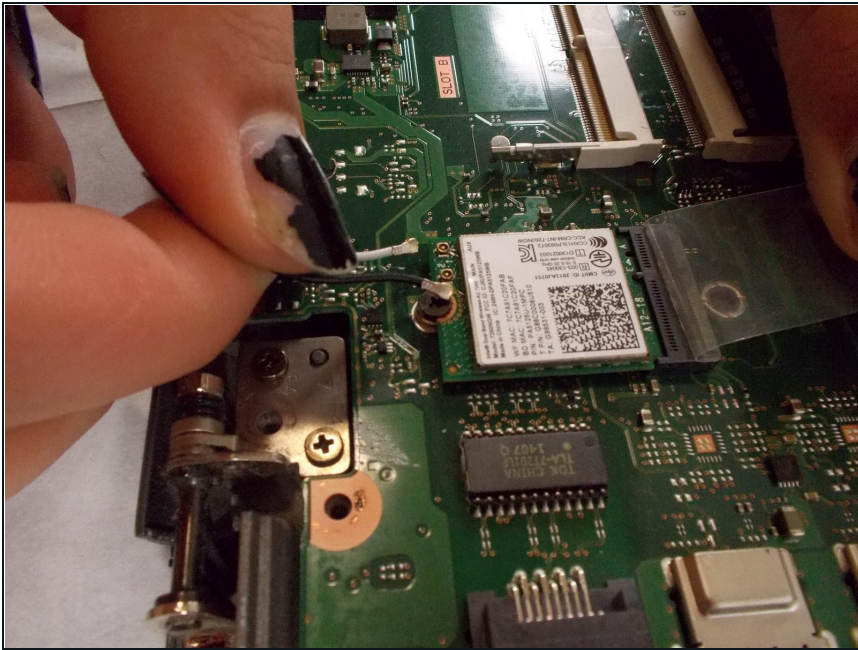
Step 13 — Motherboard

- Remove the two 5 mm screws using a Phillips #0 screwdriver.
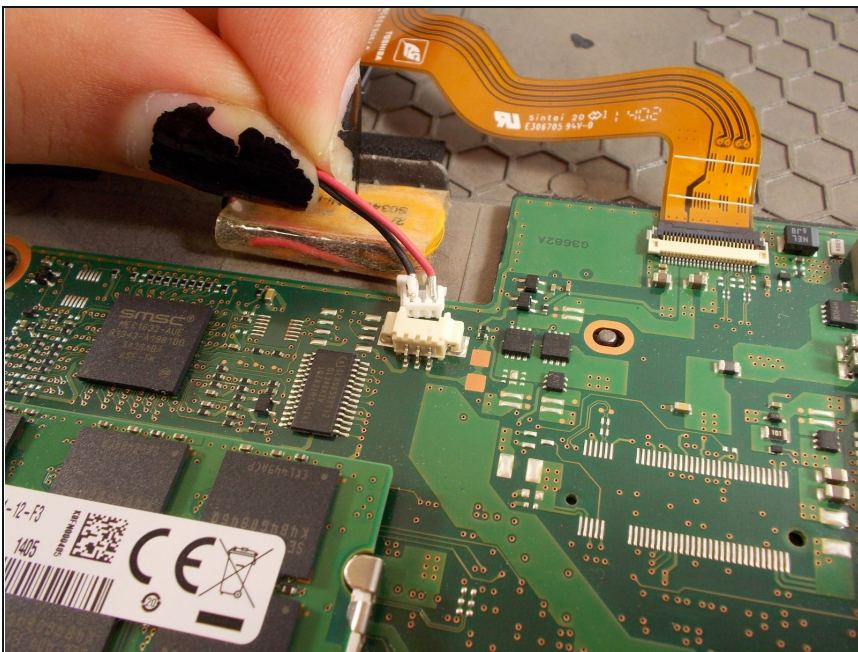
Step 14

- Remove the three 5 mm screws using a Phillips #0 screwdriver.
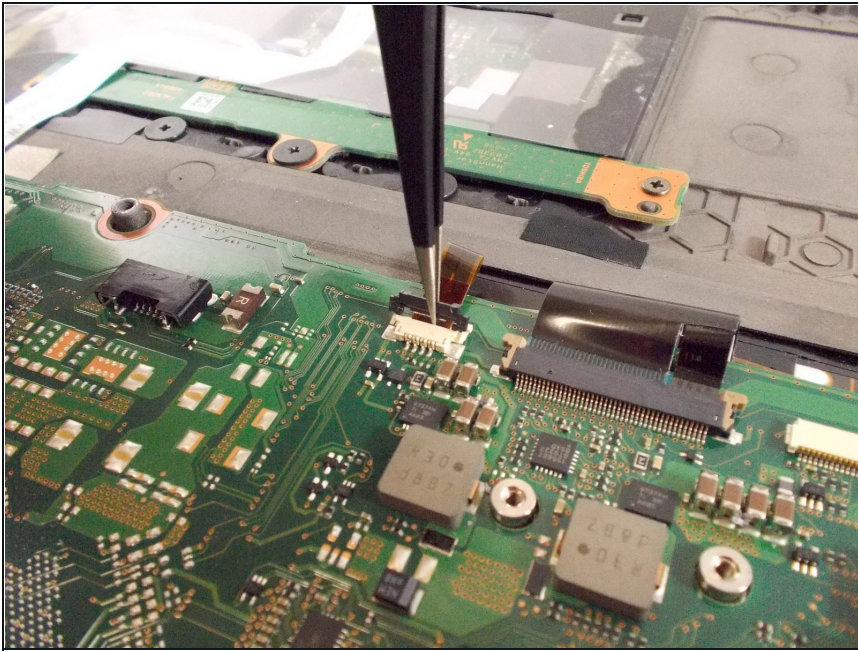
Step 15

- Lift up on plastic covering over the Wi-Fi card.

- Disconnect the black and white coaxial cables from the Wi-Fi card.
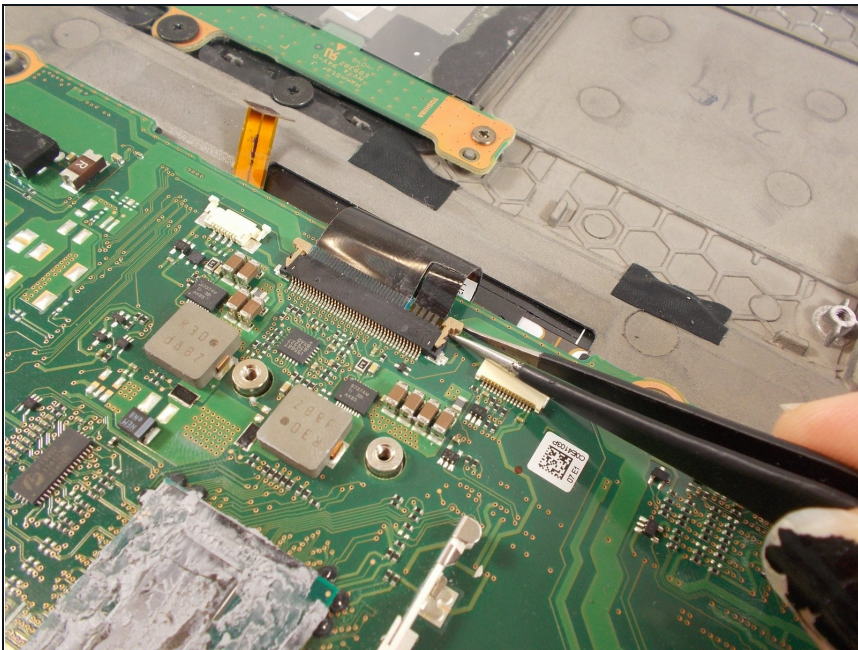
Step 16

- Unplug the bundled red and black cable from its connector on the motherboard.

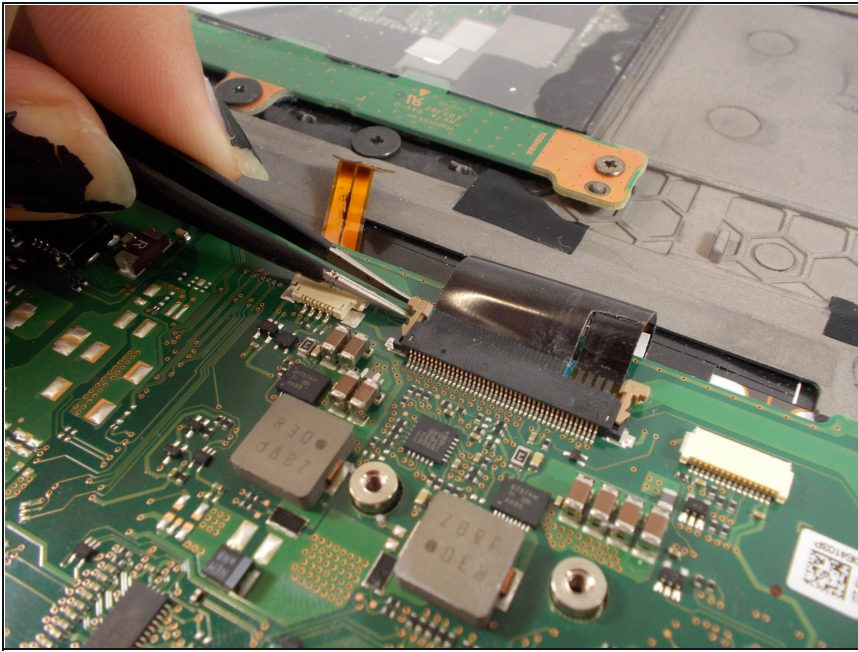## Step 17

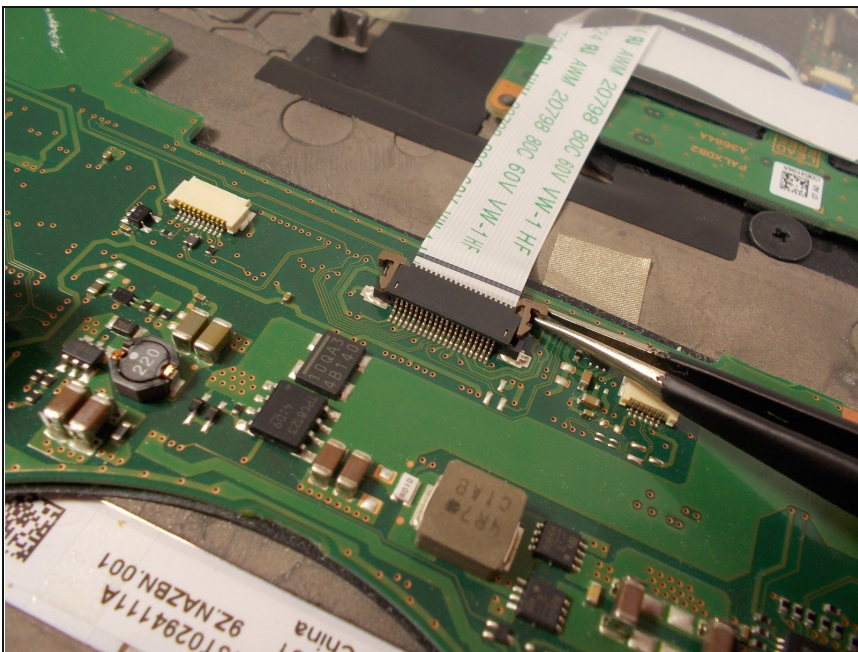- Lift up on the black retaining flap using a pair of tweezers.

Step 18

- Push the tab on the right toward the top of the laptop.

Step 19

- Push the tab on the left toward the top of the laptop.
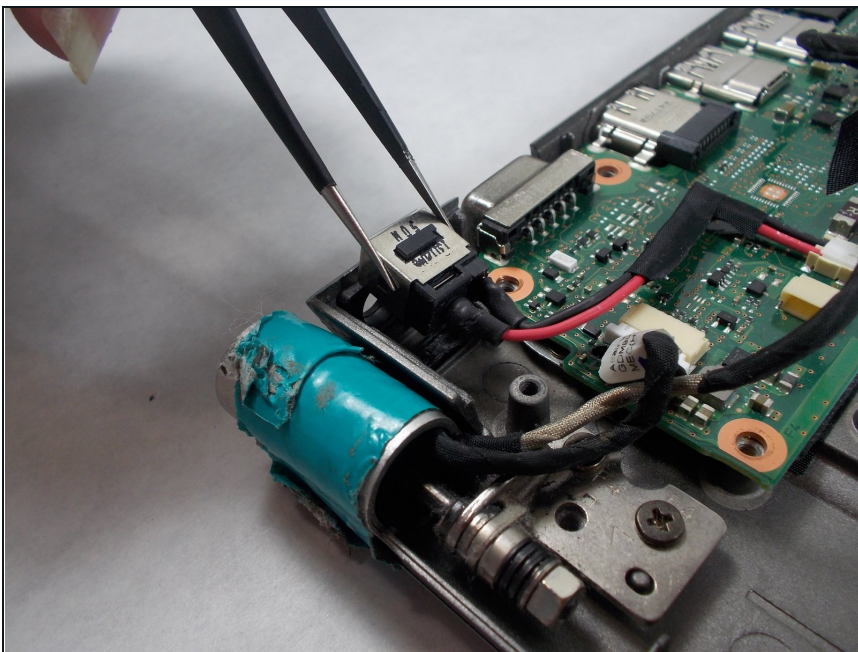
Step 20

- Push the tab on the right toward the top of the laptop.

Step 21

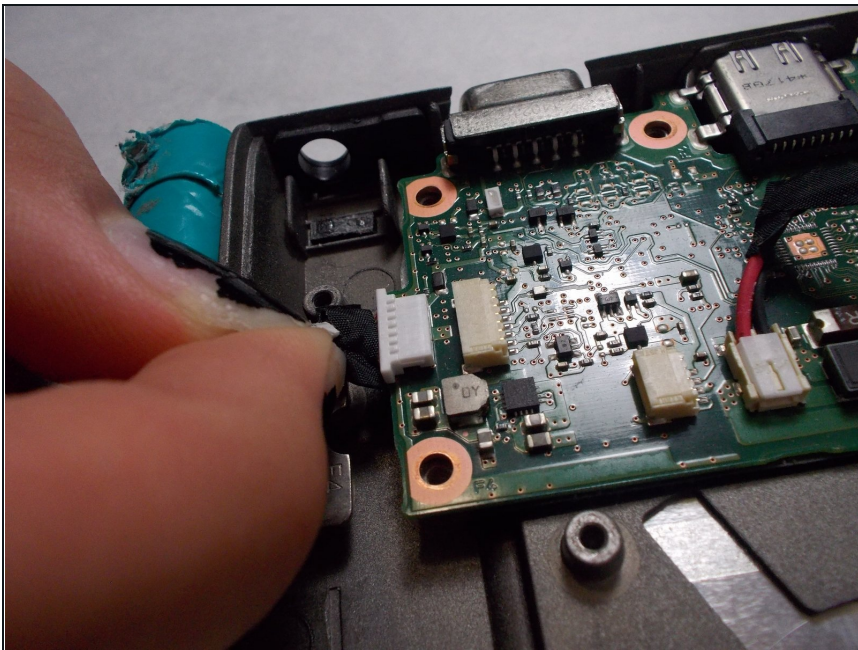- Push the tab on the left toward the top of the laptop.

Step 22

- Lift up on the charging port with tweezers.
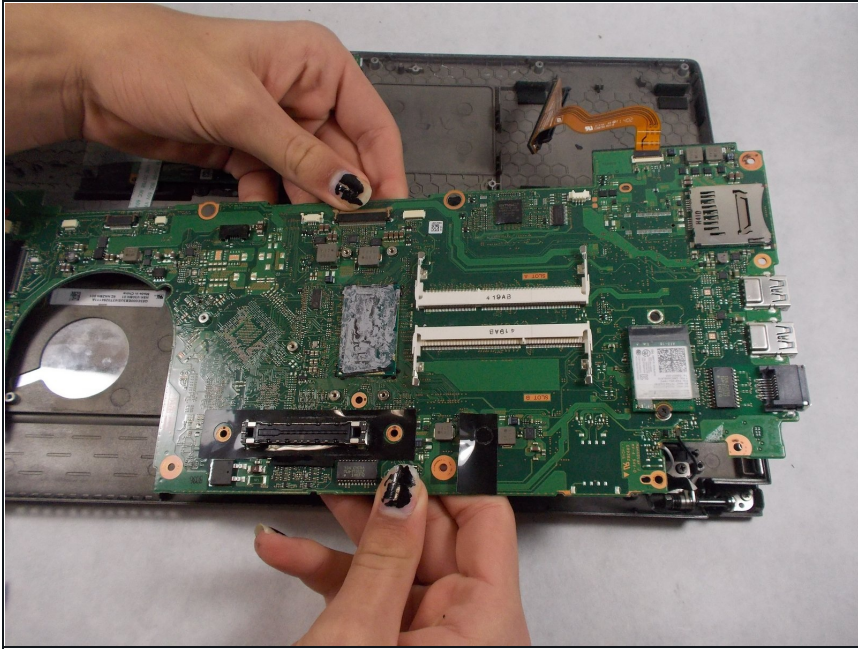
Step 23

- Lift up on the plastic tab.

Step 24

- Pull plug towards the bottom of the laptop.

Step 25

- Grab the middle of the motherboard with your hands and lift up to remove it from the laptop.

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