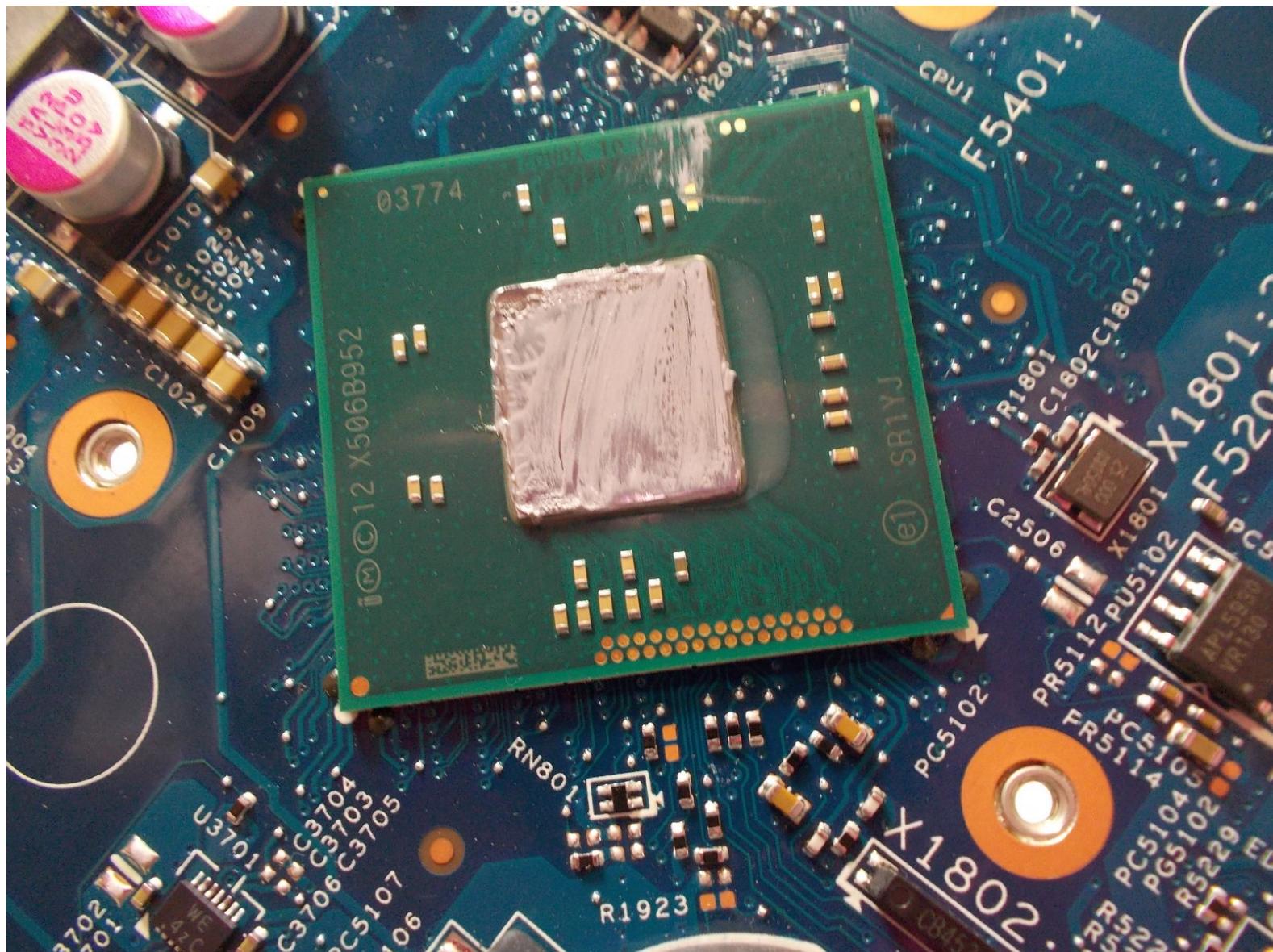




Acer Aspire ES1-512-C80E Motherboard Replacement

How to replace the motherboard in an Acer Aspire ES1-512-C80E.

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INTRODUCTION

You may need to replace the motherboard on your device if you experience problems regarding the Acer Aspire ES1-512-C80E's run speed. To do this, you will need Phillip's #00/#000 screwdrivers, and a spudger. Additionally, you will need a replacement motherboard. To access the motherboard, the back cover of the device will need to be removed. The process of replacing the motherboard should take between 15-25 minutes.

TOOLS:

- Metal Spudger (1)
- Phillips #00 Screwdriver (1)
- Phillips #000 Screwdriver (1)
- iFixit Opening Tools (1)

PARTS:

- Acer Aspire Motherboard (1)

Step 1 — Back Cover



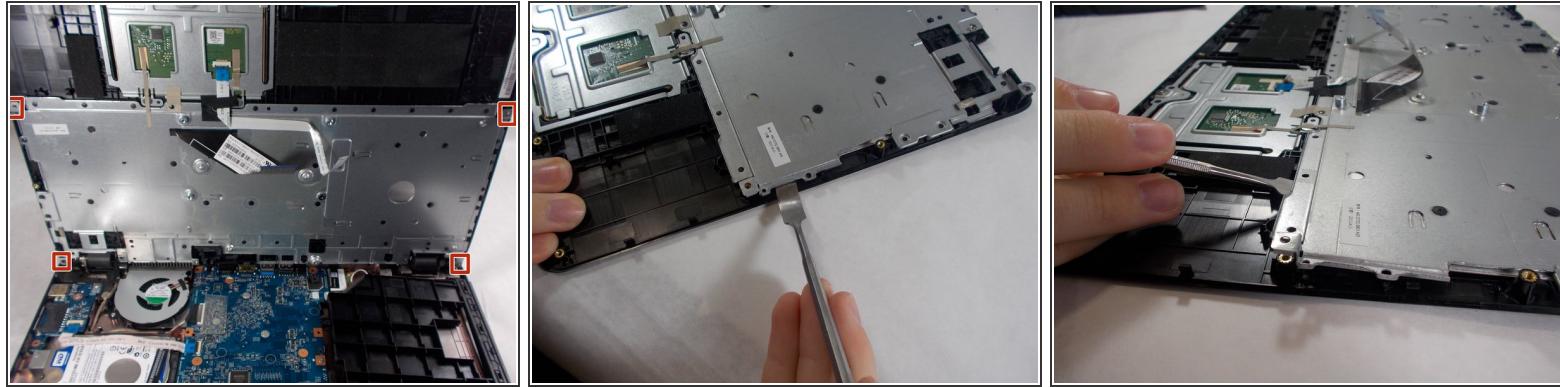
- Place the device upside down on a flat surface.
- Using a Phillips #00 screwdriver, remove all nineteen 1.2mm screws that secure the bottom cover of the device.

Step 2



- Pry around the edges with a spudger to remove the back cover.
- The two hinges on the back require additional force to be popped open.

Step 3 — Keyboard



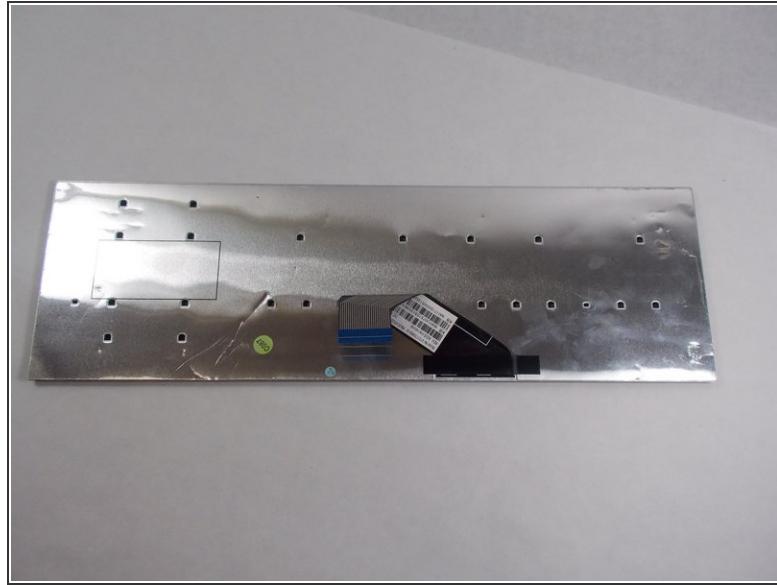
- ⓘ The keyboard is the silver piece located by itself on the upper half of the laptop.
 - Using a Phillips #00 screwdriver, remove the four 1.2mm screws from the keyboard.
 - Using a spudger, go around the edges and pry off the keyboard.
- ⓘ All black clips will have to be removed before the keyboard can be removed.

Step 4



- Remove the ribbon cable connection from the keyboard.
- Peel back the two pieces of tape to separate the keyboard.
- Remove the keyboard from under the plastic covering.
- Remove the silver plate back cover of the keyboard from the bottom base.

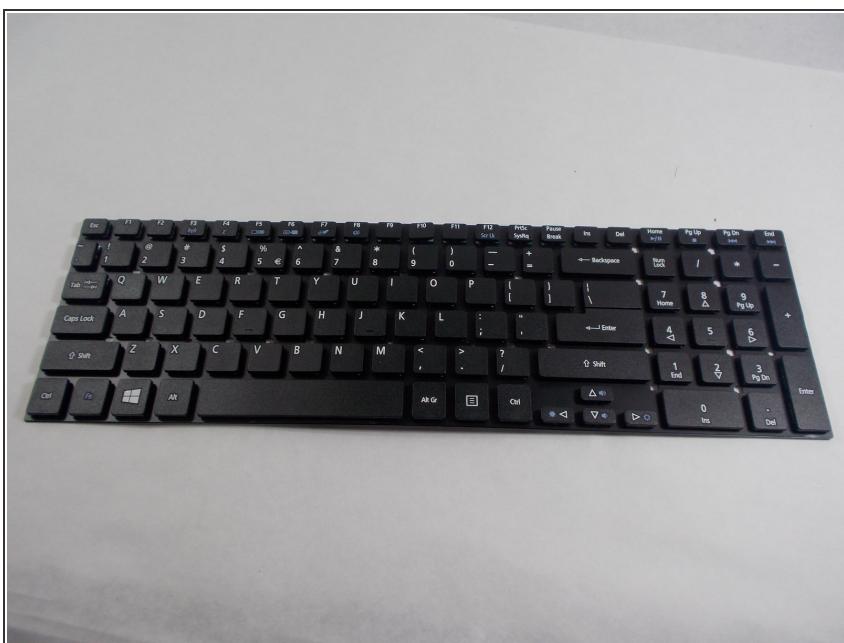
Step 5



- Remove the large silver plate from the keyboard.

(i) You can not remove the silver backing with the attached wire from the back of the keyboard.

Step 6



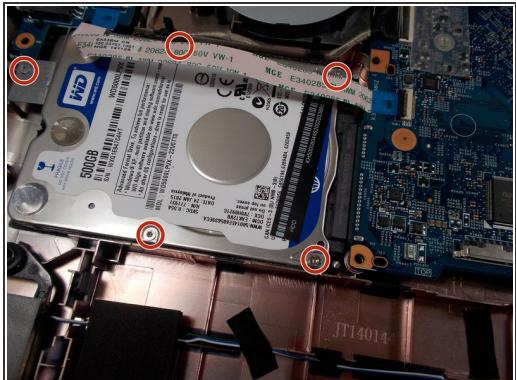
- The keyboard is removed and ready to be replaced.

Step 7 — Hard Drive



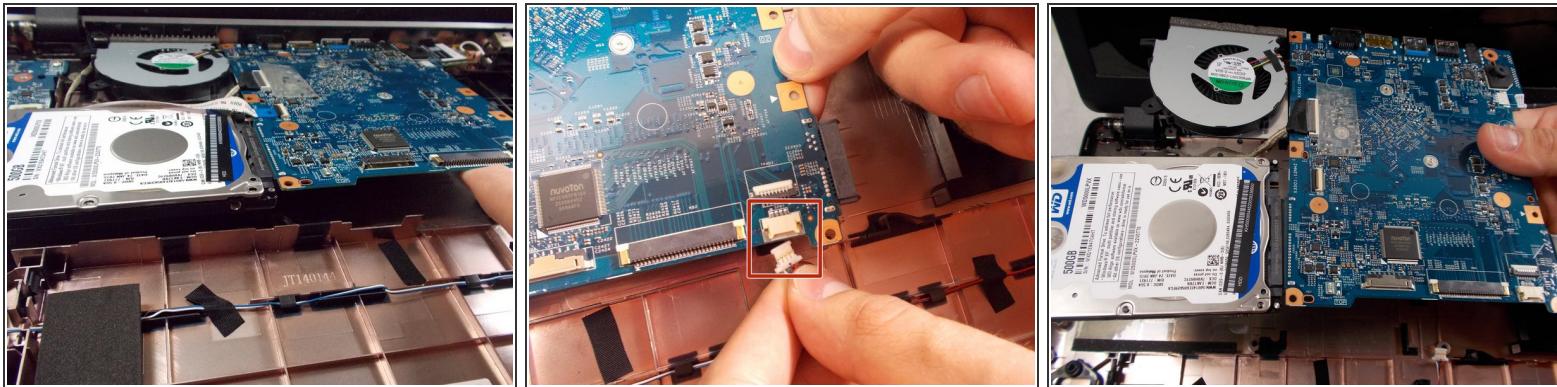
- Using a #000 Phillips screwdriver, remove all nine 1.2mm screws that are on the motherboard, wireless LAN card, and fan.

Step 8



- Using a Phillips #000 screwdriver, remove the five 1.2mm screws that hold the hard drive in place.

Step 9



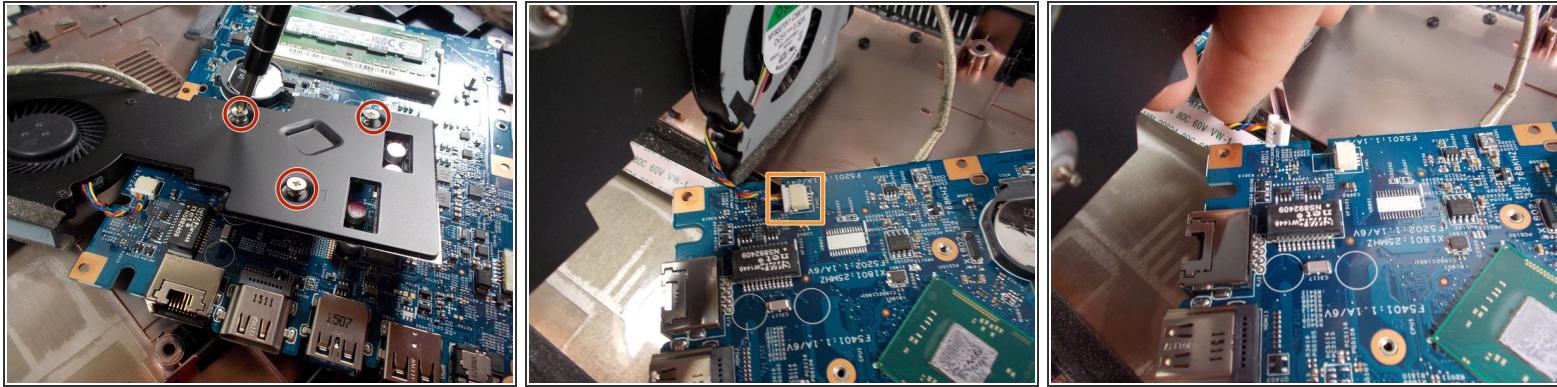
- Lift the hard drive, fan, motherboard, and wireless LAN card out of the device.
- These components are still connected with wires. Remove all plugs that may be attached to other components in order to isolate the group of components.

Step 10



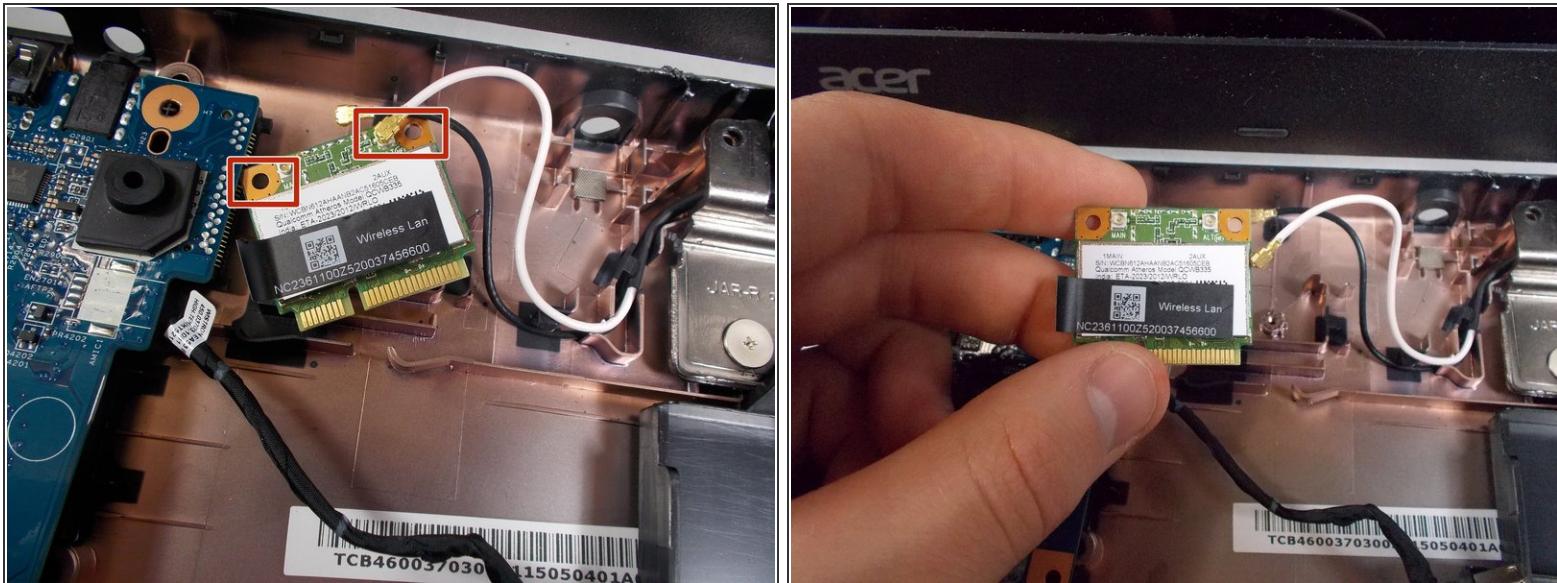
- Once the four components are out of the device, the hard drive is ready to be removed.
- To remove the hard drive, unplug it from the motherboard.

Step 11 — Motherboard



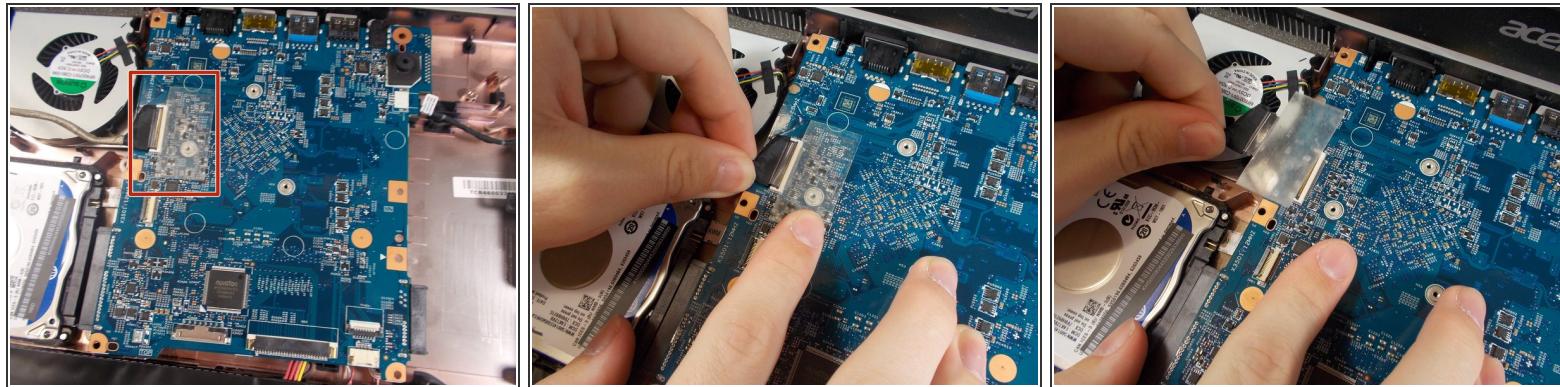
- Flip over the motherboard.
- Remove all three 1.2mm screws that attach the fan to the motherboard using a Phillips #00 screwdriver.
- Lift the fan off of the motherboard.
- The fan and the motherboard are still connected with wires. Remove any plugs that may be attaching the components.

Step 12



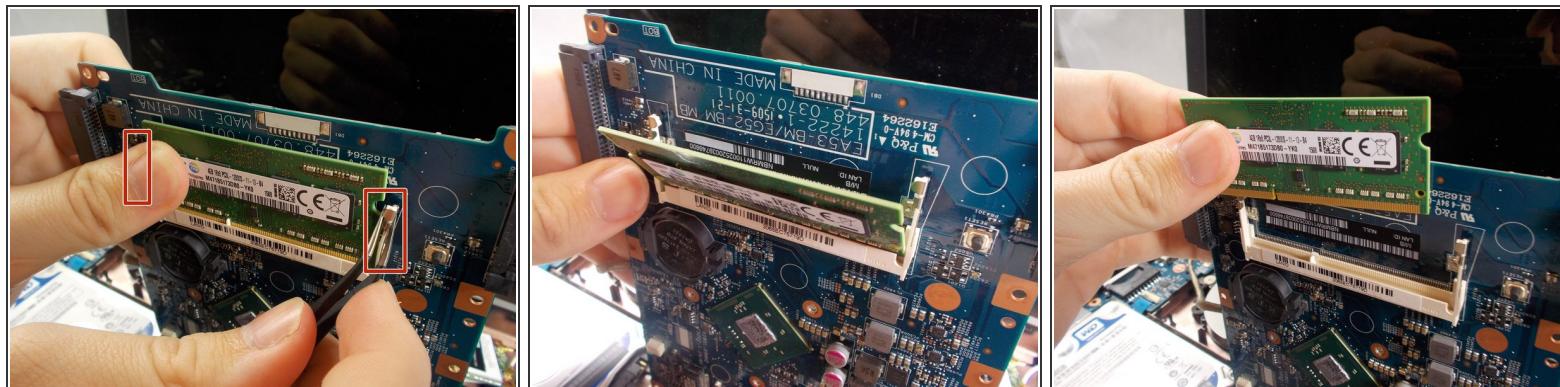
- Remove the wireless LAN card from the motherboard by unplugging the connecting wires.

Step 13



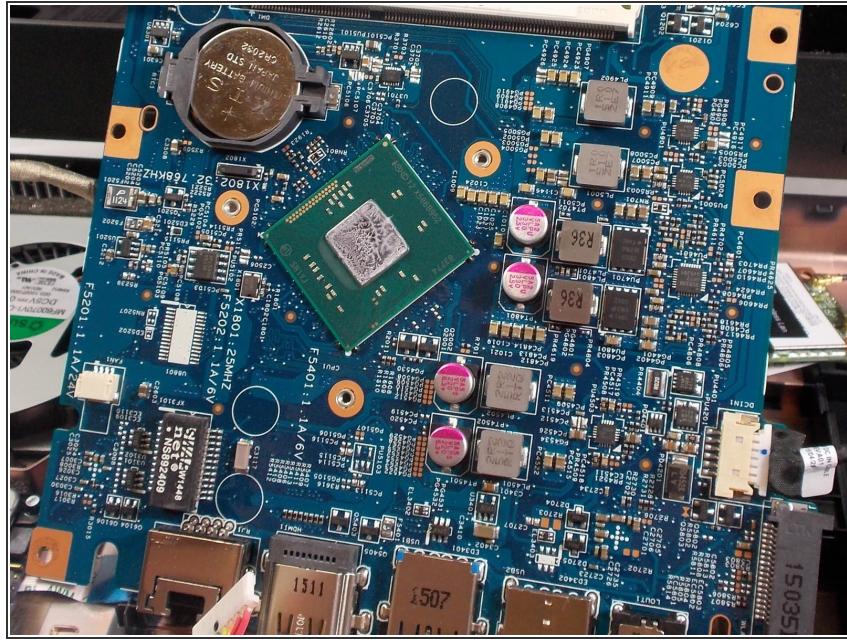
- Gently remove the tape and plug from the motherboard.

Step 14



- To remove the RAM, push both of the clips outward and the RAM chip will easily slide up and out.

Step 15



- Remove the motherboard from the laptop.

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