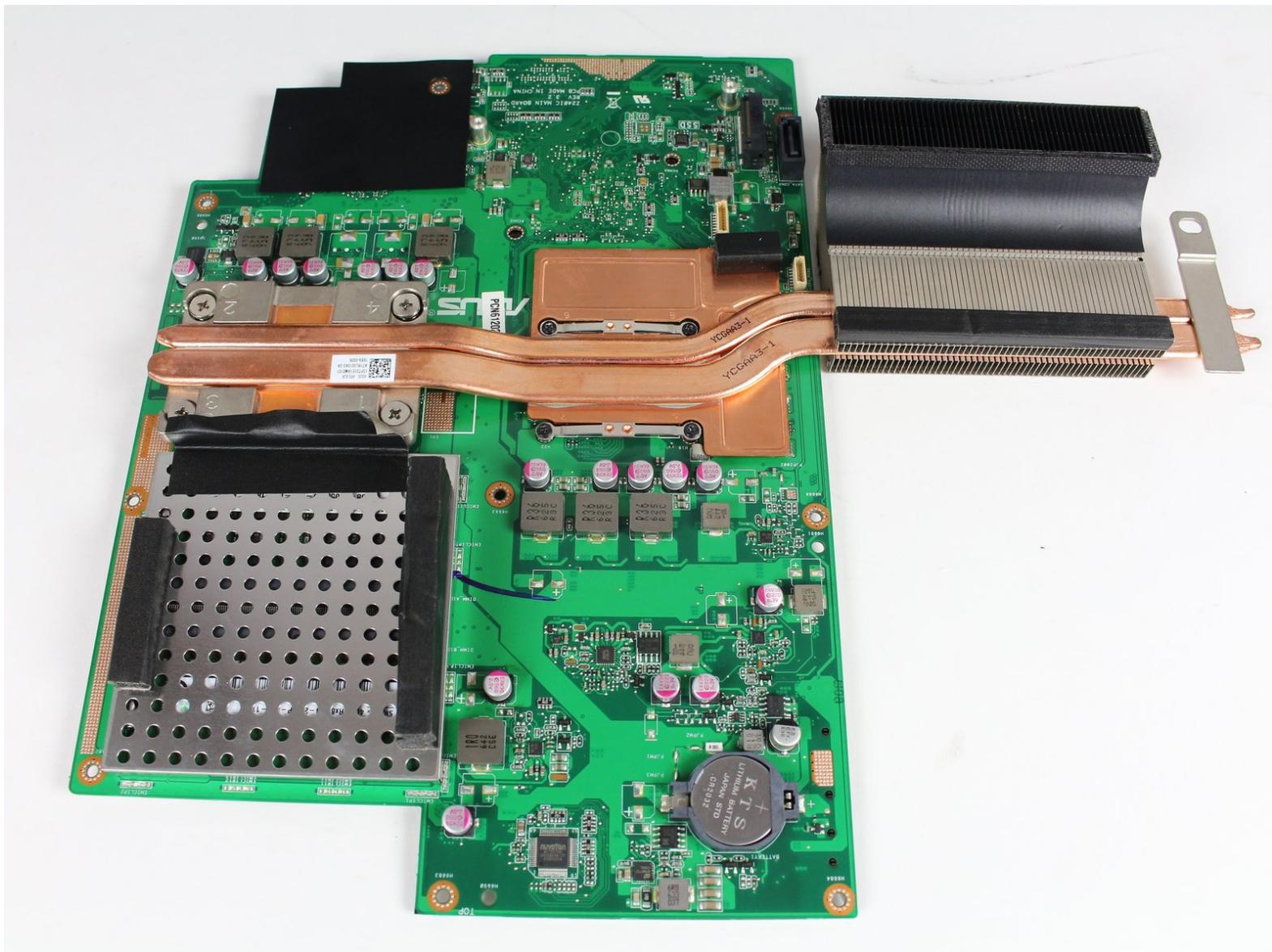# Asus Zen AiO Pro Z240IC RAM Replacement

How to replace the Asus Zen AiO Pro Z240IC's RAM to improve boot times and to run larger programs and applications.

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INTRODUCTION

This guide will show you how to open up your Asus Zen AiO Pro Z240IC and how to replace the RAM inside.

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- Phillips #1 Screwdriver (1)
- iFixit Opening Tools (1)

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Step 1 — Screen

- Use the plastic opening tool to pry off the black plastic strip at the bottom of the screen by wiggling the tool between the strip and the screen.

- ⓘ The strip is held in place with adhesive. You may hear a crackling sound as the strip is peeled off.

- Run the opening tool slowly along the base of the screen, peeling the black strip back, until the opposite end of the screen is reached.

Step 2

- Use a Phillips #1 screwdriver to remove the seven (7) 4.8 mm screws from the base of the screen.

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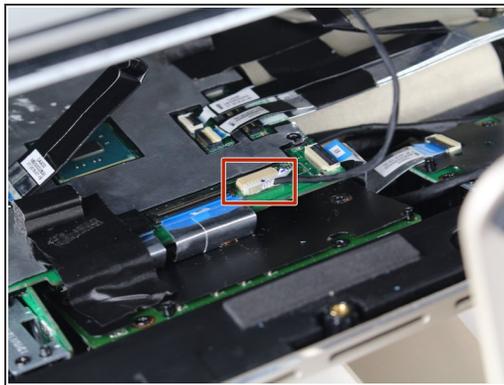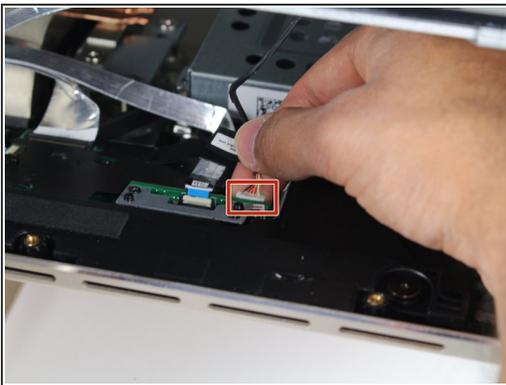
Step 3

- Place the computer on its back, facing up.

- Wedge the plastic opening tool in between the screen and the bezel of the aluminum computer casing.

- Move the tool along the entire edge of the screen with an up-and-down prying motion to loosen the screen from the casing. Do not lift the entire screen away from the computer yet.

ⓘ The screen is held in place by plastic tabs. These will create a popping sound when loosened.

⚠ The screen assembly will flex as it is pried off. Do not bend the screen too far or the glass screen could shatter.

Step 4

- Lift the screen from the bottom edge by about 6 inches. Prop it open with one hand.

- Look inside the computer and locate five (5) cables that connect the embedded components of the screen (camera, microphone, etc.) to the rest of the computer.
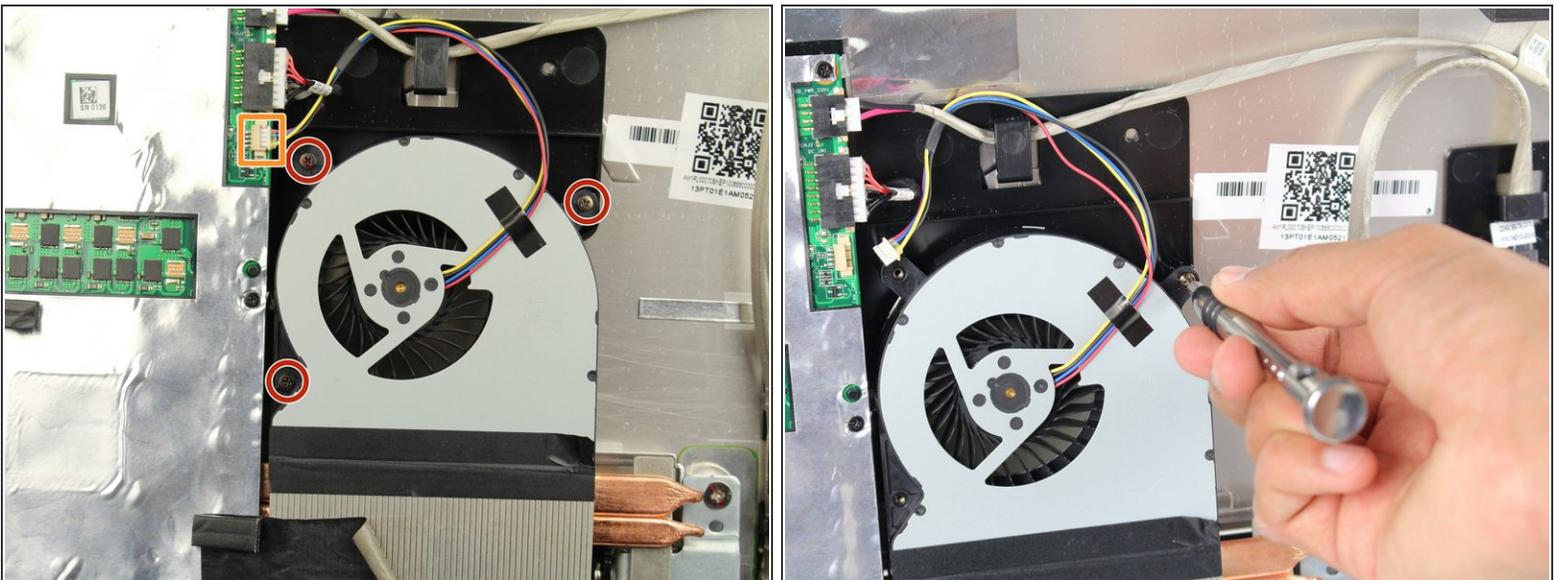
Step 5

- Remove the two (2) cables that are connected to the computer by white, rectangular terminal blocks by pulling straight out on the plug.

- ⓘ The cables and wires in these steps are delicate; do not tug on the individual wires that make up each cable.

Step 6

- Use a finger to lift the plastic locking flaps that hold the remaining three (3) ribbon cables in place.

- Remove the cables from their terminals by slipping them away from their connectors.

- ⚑ The black line on the ribbon cables mark the connecting region. When reinstalling, insert the cable up to the this line so the locking flap covers it.
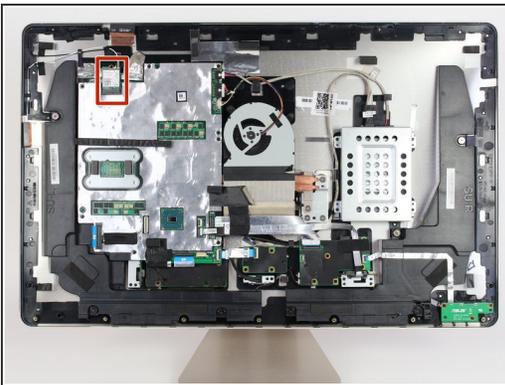
Step 7 — Fan

- Use a Phillips #0 screwdriver to remove the three (3) 4.8 mm screws from the fan unit.

- Remove the cable connecting the fan to the motherboard by pulling the cable out of its socket.

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Step 8

- Remove the fan by peeling off the black electrical tape holding it against the heat sink vents.
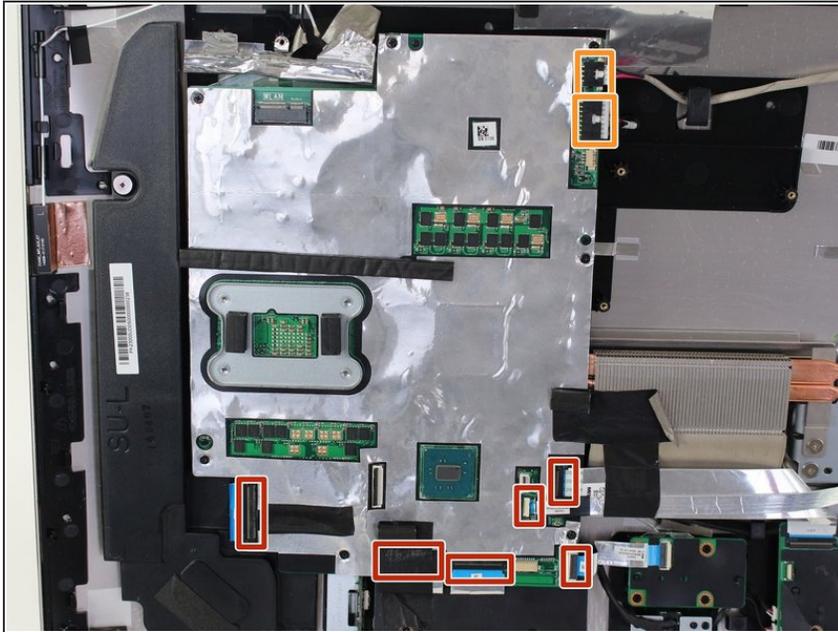
Step 9 — WiFi (WLAN) Card

- Locate the WLAN card in the upper left hand corner of the computer.

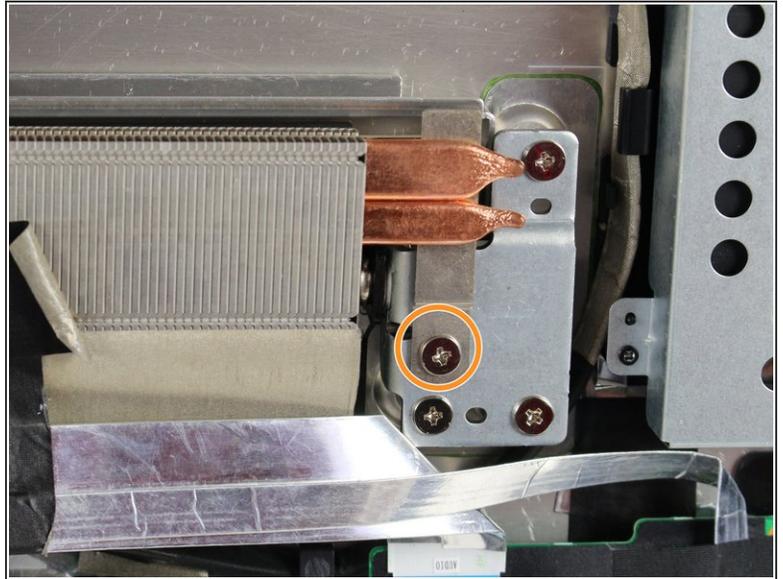- Use a Phillips #1 screwdriver to remove the 3.2 mm screw on the top of the WLAN card.
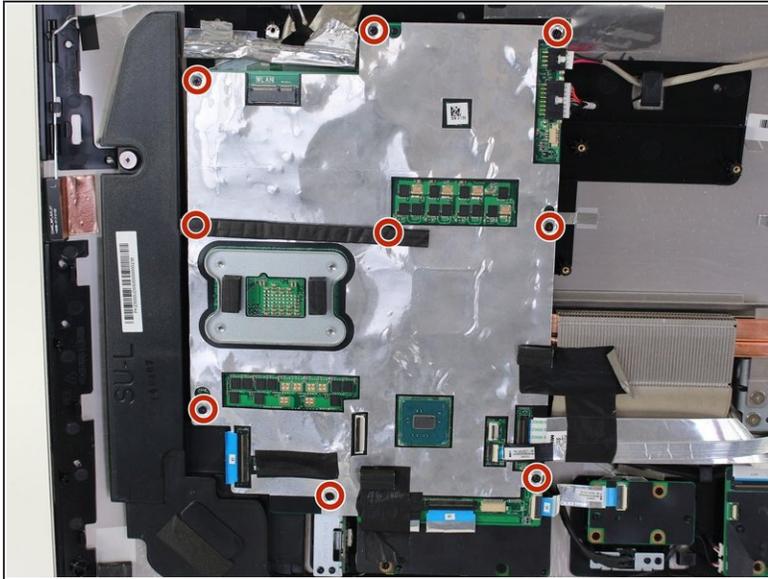
Step 10

- Pull out the WLAN card from its socket.

- Remove the two antennae wires from the WLAN card by pulling up on the coaxial connectors.
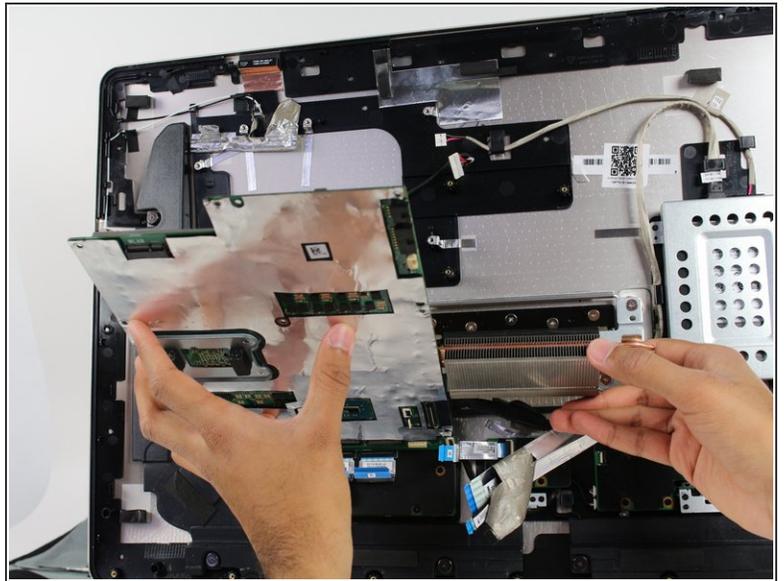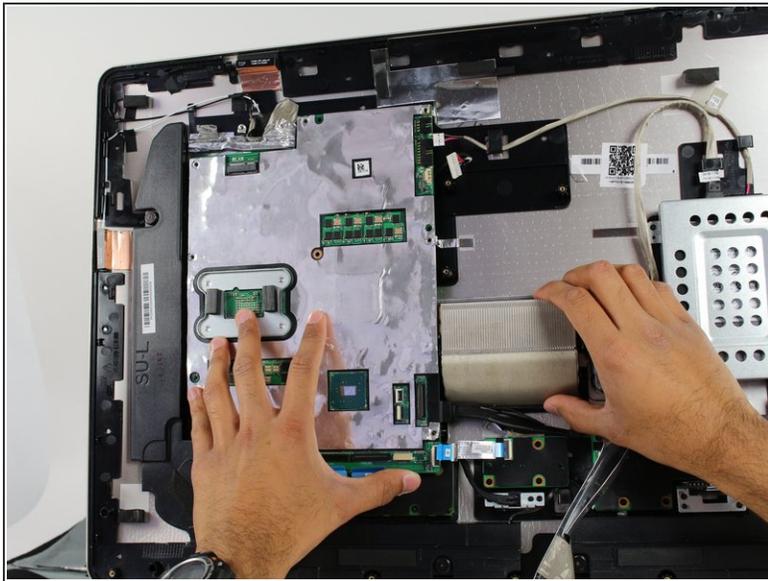
Step 11 — Motherboard

- Remove the six (6) ribbon cables by lifting up on the plastic locking tabs and then slipping the cables out of their sockets.

- Remove the other two (2) cables by pulling straight out on the white connectors.

- (i) One ribbon cable is hidden beneath black tape.

  - ⚠️ The motherboard is ESD sensitive. Limit your contact with the green circuit board surface and electrical components. When handling the board, hold it by the edges.

- 📌 The black lines on the ribbon cables mark the connecting region. When reinstalling, insert the cables up to this line so the locking flap covers it.
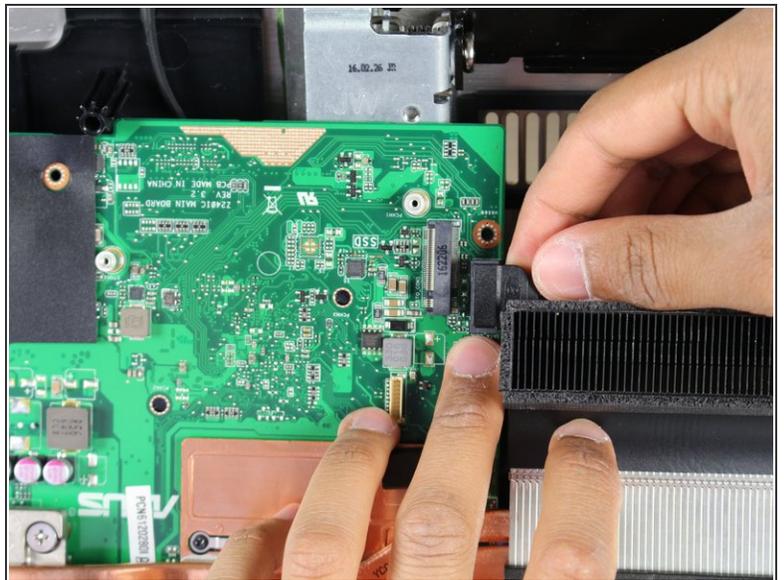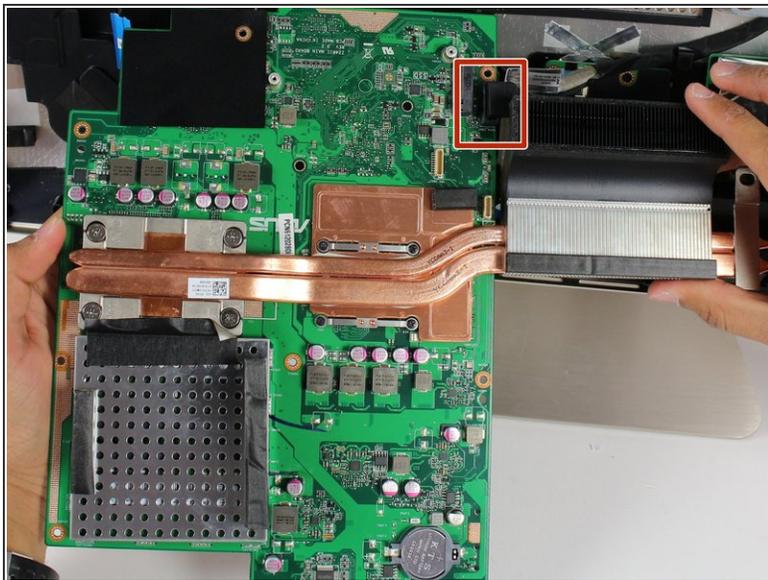
Step 12

- Use a Phillips #1 screwdriver to remove nine (9) 3.2 mm screws from the motherboard.

- (i) Two of the screws near the middle of the board are hidden beneath padding.

- Use a Phillips #1 screwdriver to remove the one (1) 4.8 mm screw directly below the copper heat sink channel.

Step 13

- Lift the motherboard just enough to dismount it from the plastic pegs that hold it in place.

- Rotate the motherboard towards yourself while supporting the heat sink by pivoting on its bottom edge.
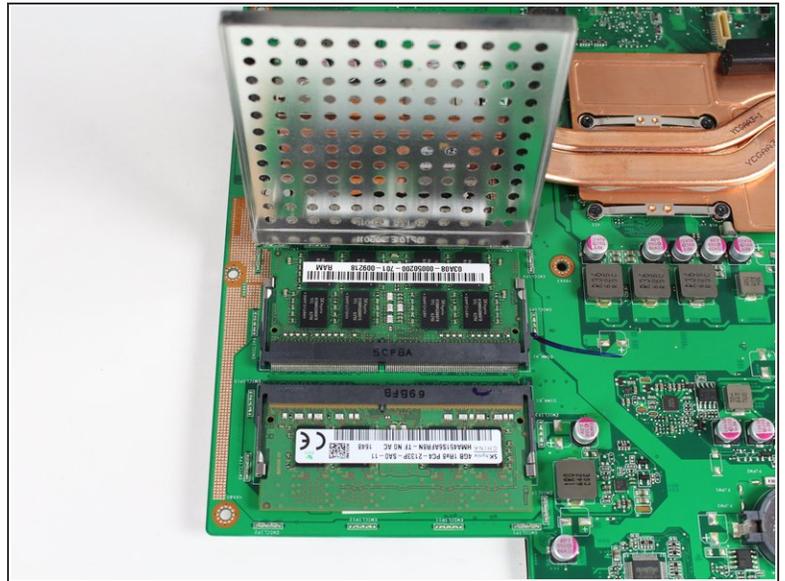
Step 14

- Remove the SATA cable on the opposite side of the motherboard by pulling directly up from the board.
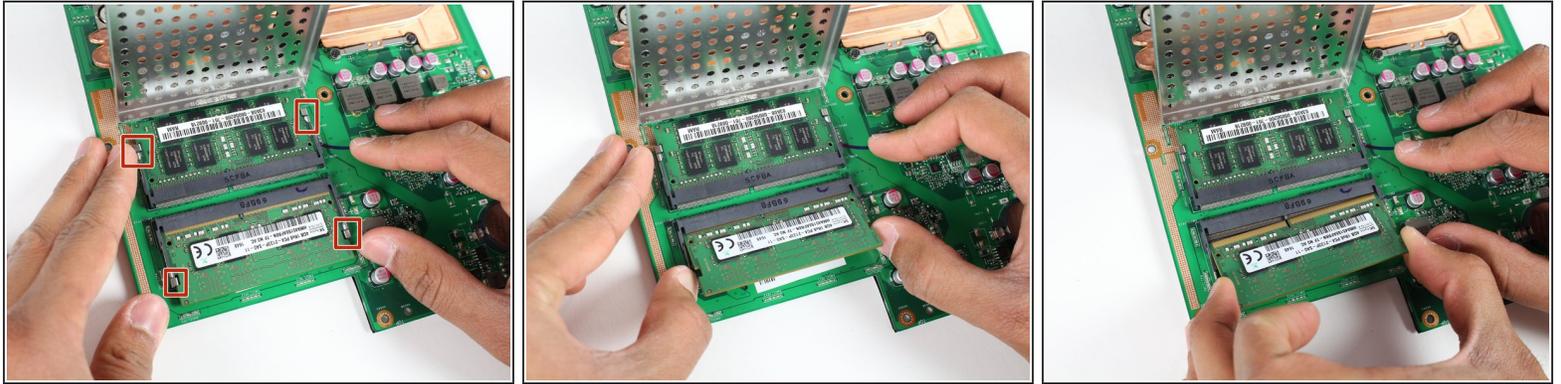
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Step 15 — RAM

- Remove the metal shield covering the ram by pulling straight up on the shield itself.

- (i) The shield is held in place by small metal clips at each corner. These clips are fragile, but have a strong grip, so some force may be required to pry the shield loose.

- ⚠ The motherboard is ESD sensitive. Limit your contact with the green circuit board surface and electrical components. When handling the board, hold it by the edges.

Step 16

- Push down on the two metal tabs on each side of the RAM stick. This will cause the stick to spring up slightly.

- Remove the RAM from its socket.

- Repeat the last two bullets on the other RAM stick.

- 📌 RAM sticks are not symmetrical. When reinstalling the RAM, make sure the notch on the RAM's contact surface lines up with the bar inside the slot.

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