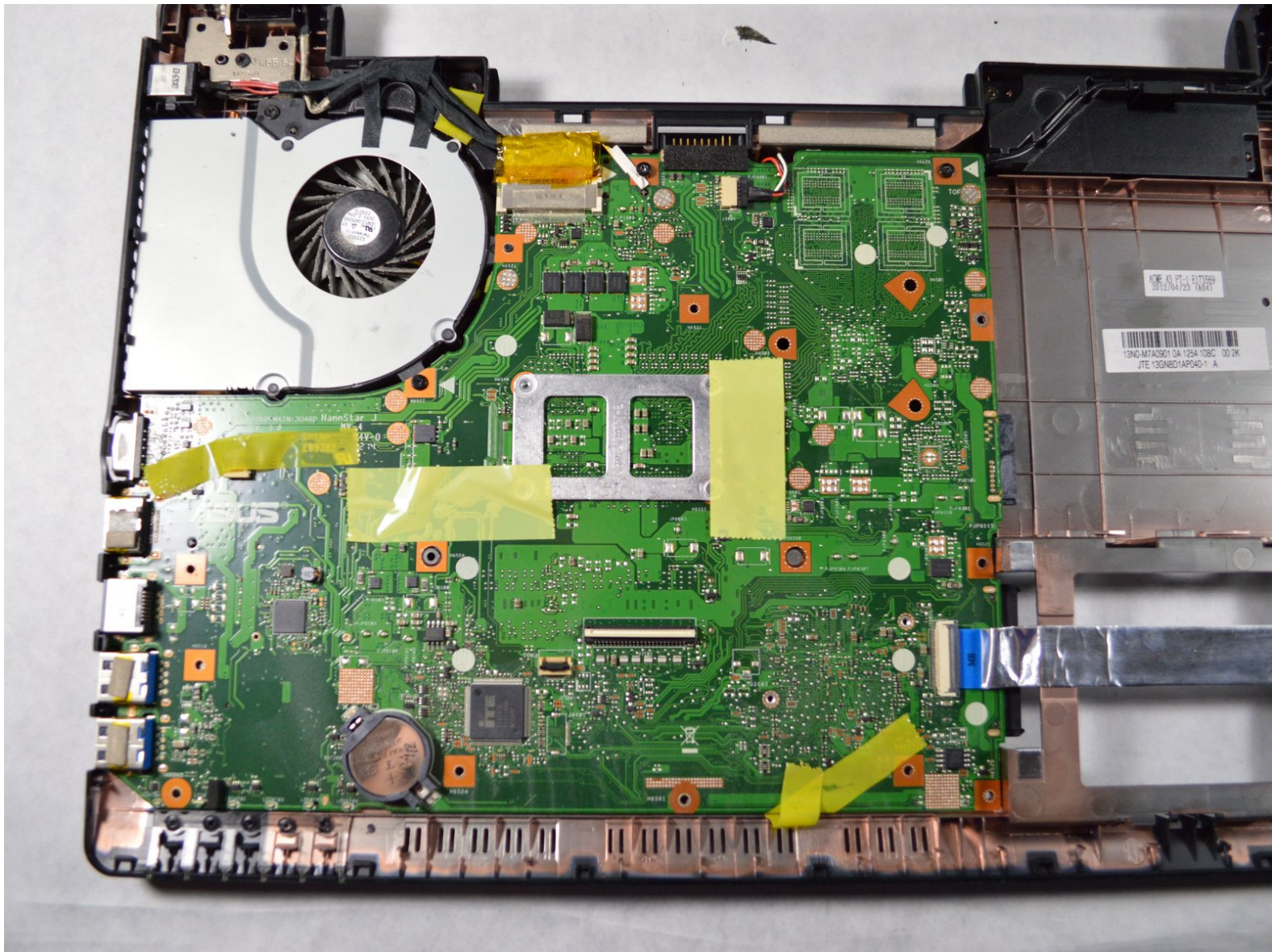




ASUS U57A-BBL4 Motherboard Replacement

How to replace the motherboard in the ASUS U57A-BBL4 laptop.

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INTRODUCTION

If your laptop does not start (e.g., the power button light turns on, but the screen remains black), there might be a problem with your motherboard. The following guide will help you to replace the motherboard.

TOOLS:

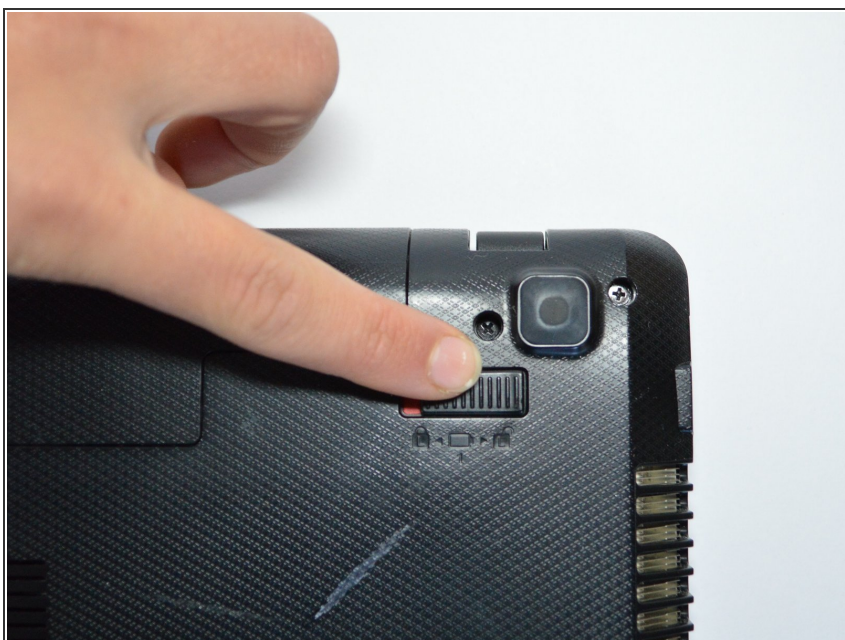
- [iFixit Opening Tools](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
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Step 1 — Battery



- ⚠ Make sure the laptop is completely shut down to avoid data complications.
- Hold the left lock switch towards the left to the unlock option.

Step 2



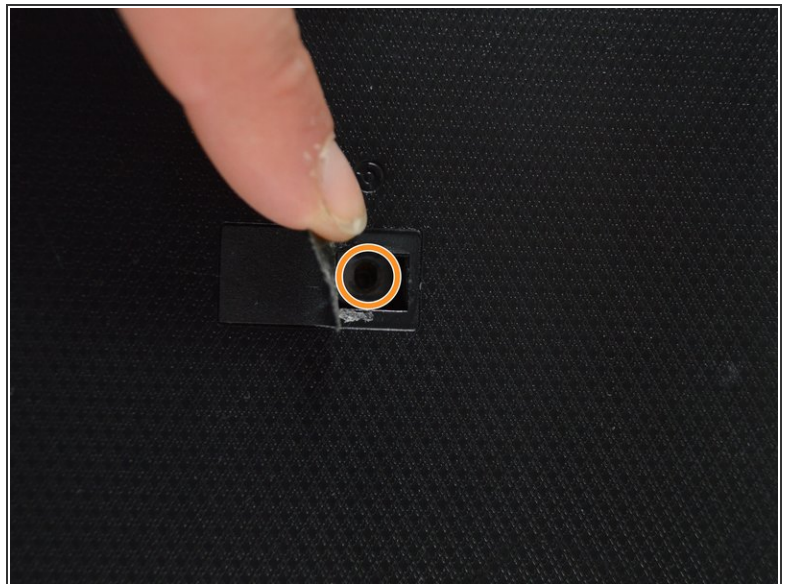
- Toggle the right lock switch to the unlock option.

Step 3



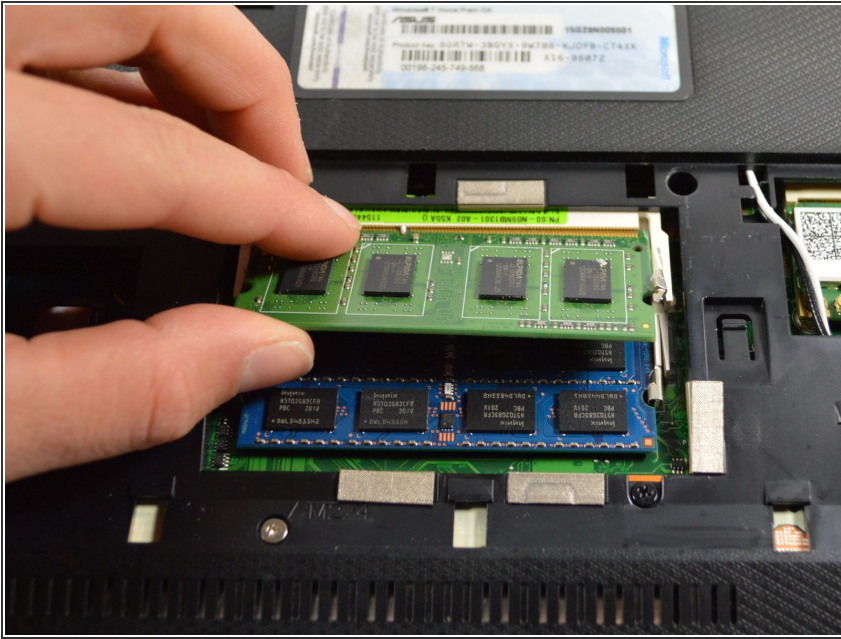
- Gently slide the battery out while still holding the left unlock switch.

Step 4 — Front Panel Assembly



- Remove the two 2 mm Phillips head screws on each side on the bottom using PH00 screw driver.
- Remove the one 2 mm screw underneath the black cover in the middle using the same screw driver.

Step 5



- Remove the RAM by lifting up with your fingers and sliding it out towards you.

Step 6



- Remove the three 2 mm Phillips head screws on the hard drive using PH00 screw driver.
- Remove the remaining seven 1.8 mm Phillips head screws using the same screw driver.

Step 7



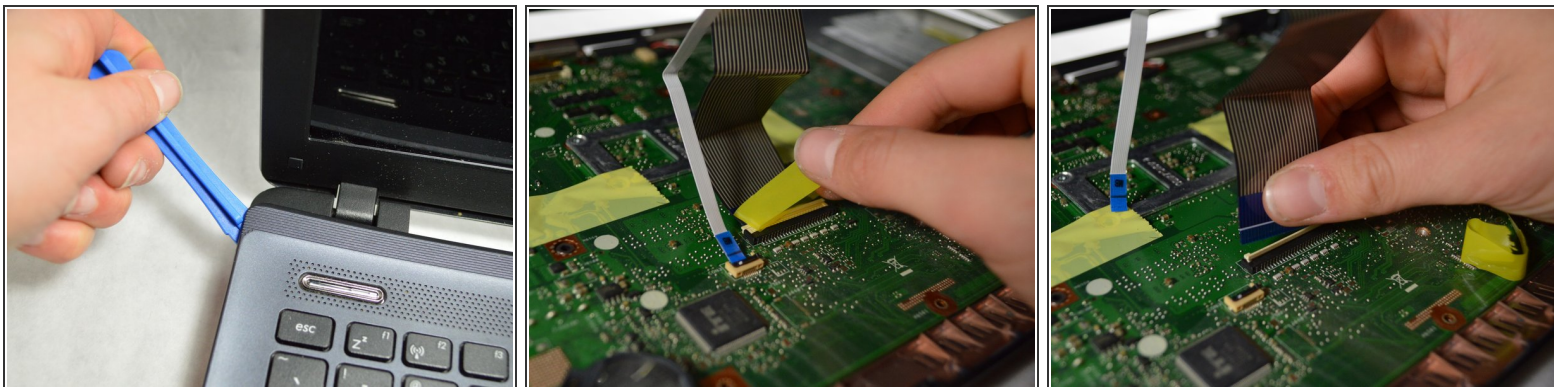
- Remove the hard drive by sliding it to the left and lifting up.

Step 8



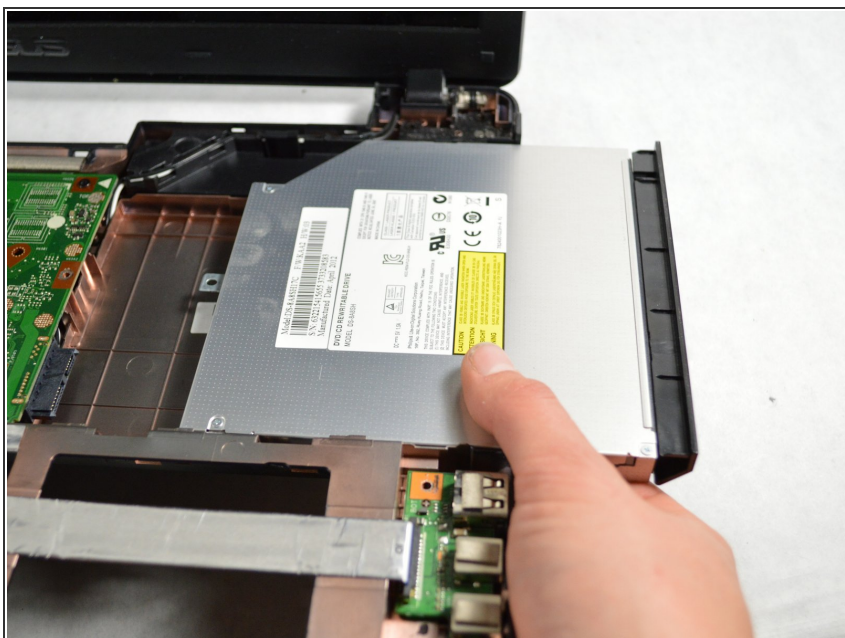
- Remove the six 2 mm Phillips head screws on the top edge of the laptop using PH00 screw driver.
- Flip the laptop right-side up and open the screen.

Step 9



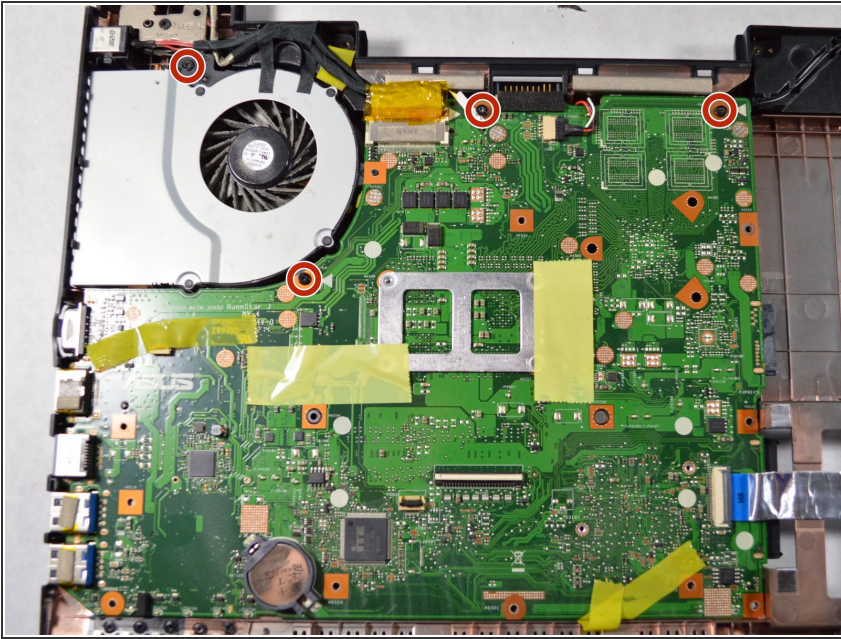
- Starting in a corner of the keyboard, pry the keyboard from the laptop using a plastic opening tool.
- Remove the ribbon cable on the bottom of the keyboard by lifting up on the tape and pulling up.
- ⓘ The front panel is now loose from the laptop.

Step 10 — Optical Drive



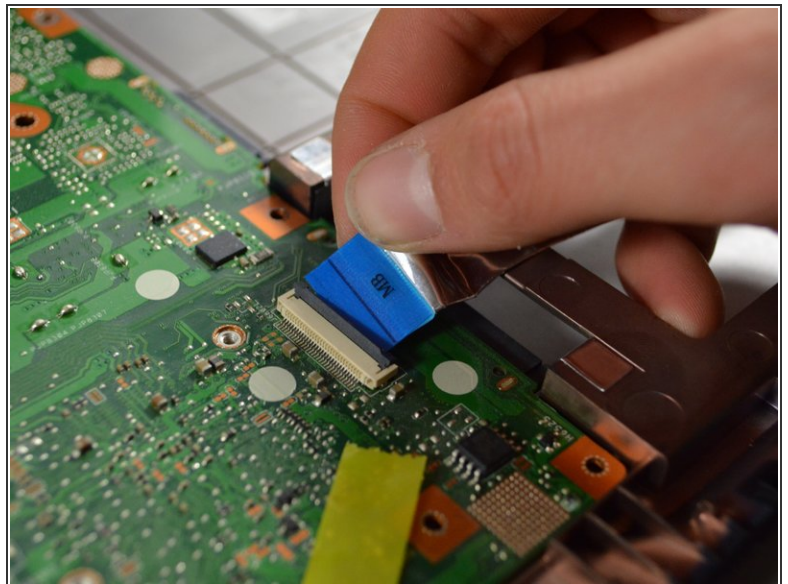
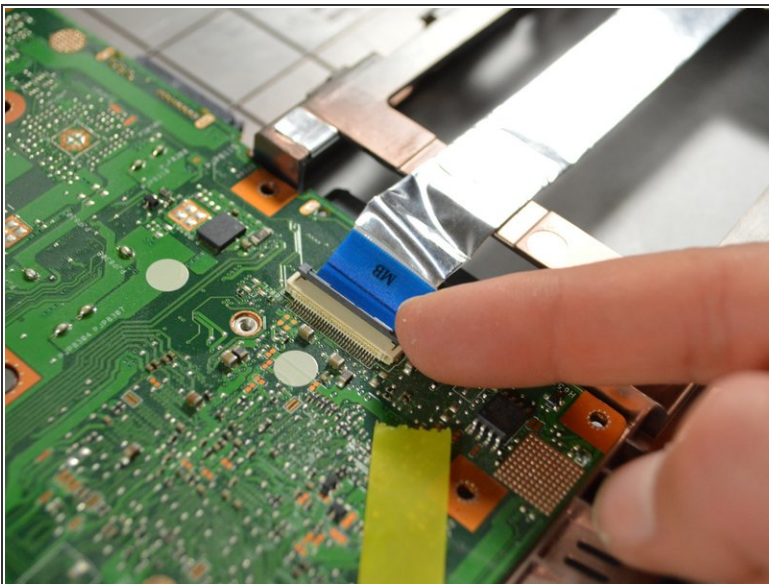
- Slide the optical drive out. It should easily come out.

Step 11 — Motherboard



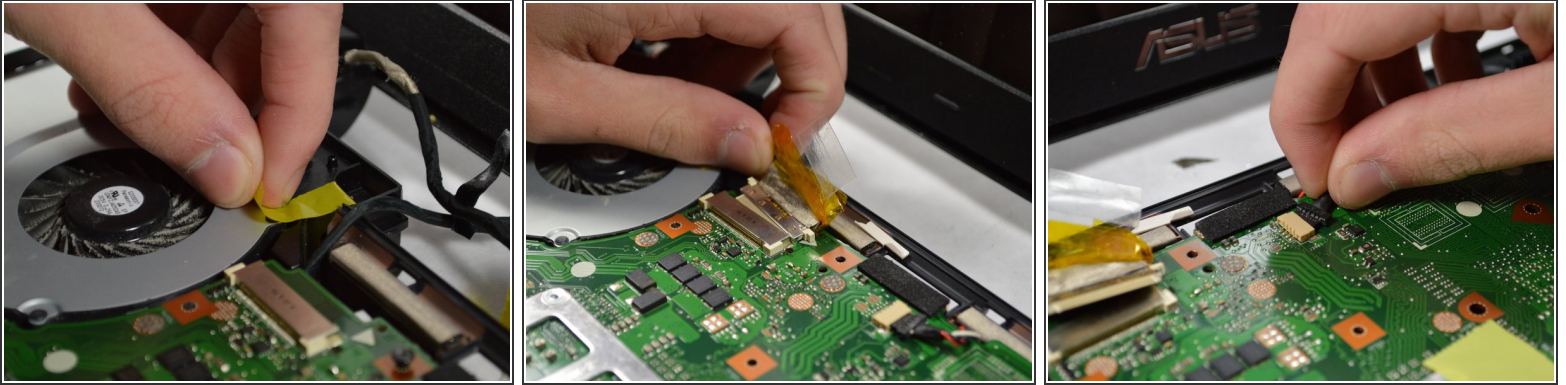
- Remove the four 2 mm Phillips head screws from the top of the motherboard and fan using PH #1 screwdriver.

Step 12



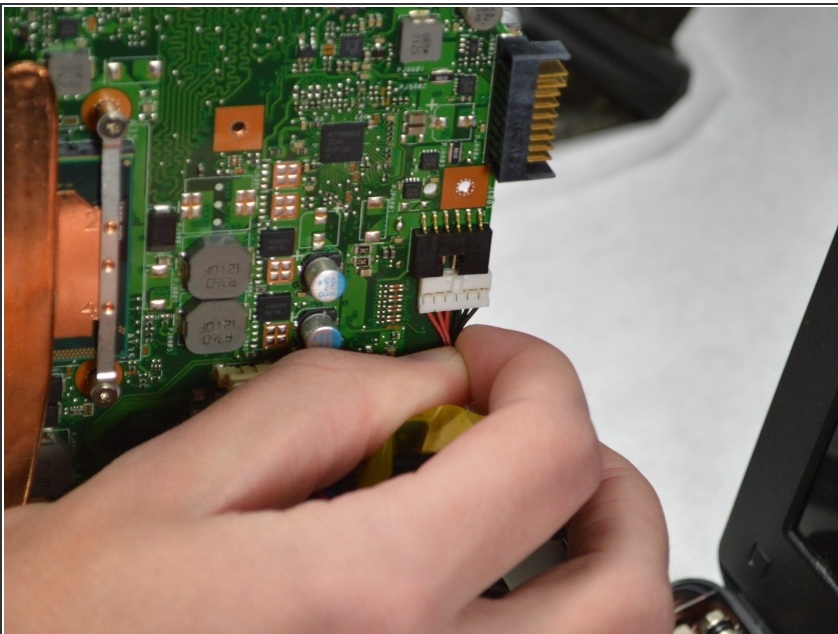
- Remove the blue cable on the bottom right by lifting up on the tab and pulling the cable out.

Step 13



- Peel off the black and yellow tape attaching the fan to the base.
- Peel the tape off the yellow cable and pull out to remove the cable.
- Remove the small black, white and red cable next to the yellow cable at the top.

Step 14



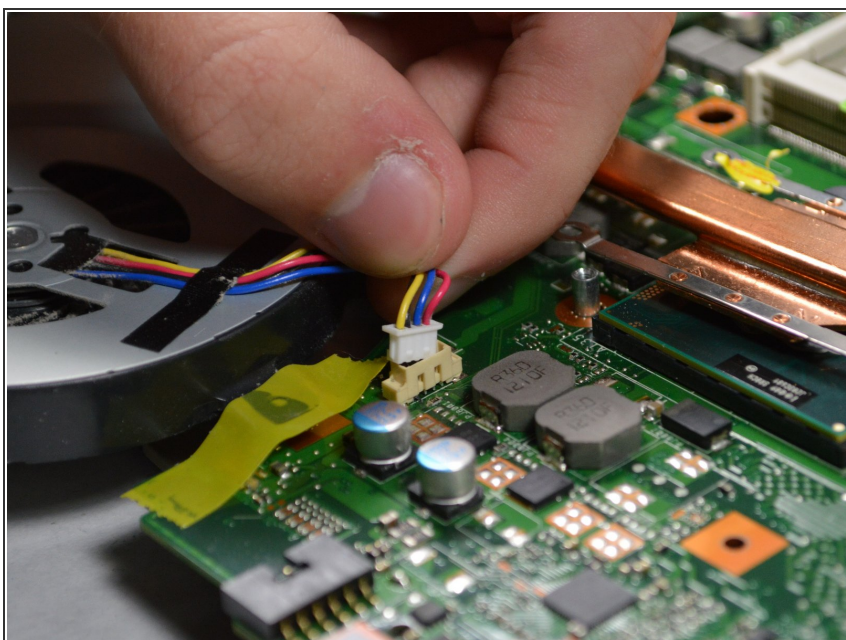
- Carefully and slowly lift up the motherboard from the base and remove the red and black cable underneath the motherboard in the top left corner near the fan.
- ⓘ The motherboard and fan are still attached to each other, but are loose from the base.

Step 15



- Remove the four 2 mm Phillips head screws surrounding the copper rod using PH1 screw driver.

Step 16



- Remove the red, blue, black and yellow cable attaching the fan and motherboard together with your fingers.
- Now the motherboard and fan are completely separate from each other.

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