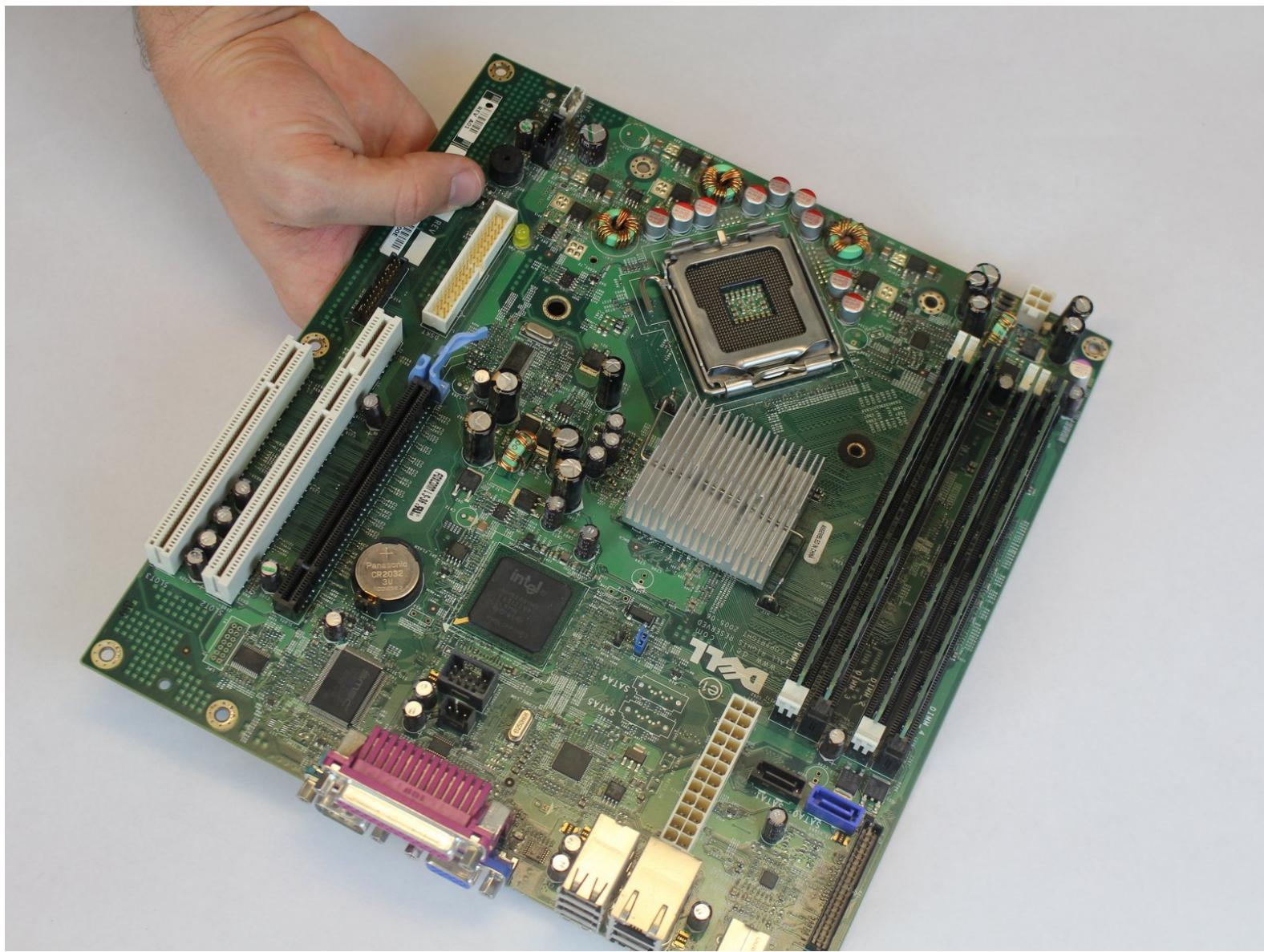




# Dell Optiplex 745 Small Form Factor Motherboard Replacement

To replace the entire motherboard, use this guide.

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## INTRODUCTION

In this guide, we will be removing parts of the computer from the motherboard to be able to take the board itself out.

### TOOLS:

- [Phillips #2 Screwdriver \(1\)](#)

## Step 1 — Opening the case



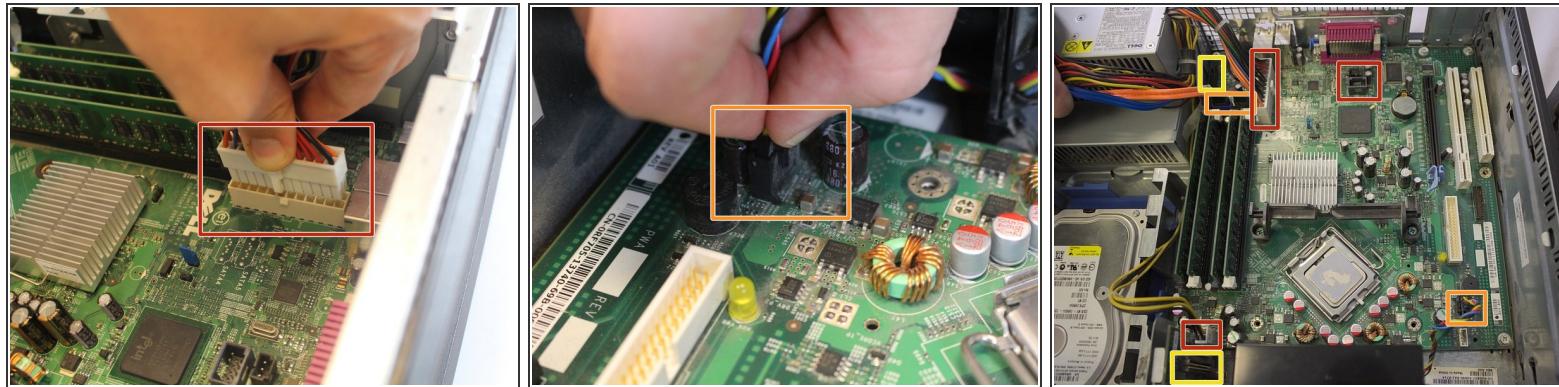
- Pull the tab and the lid will pop up.

## Step 2



- Grab the lid and pull it up and off.

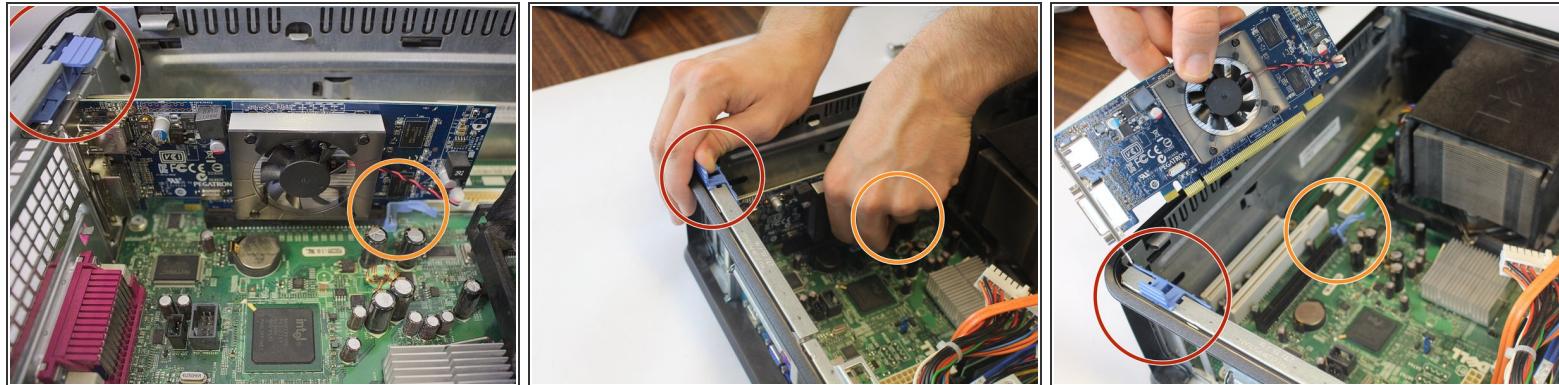
## Step 3 — Motherboard



- Disconnect all of the cords that are connected to the motherboard.
  - Press in the lever on the side of the male end, and then pull out.
  - Pull cord straight out.
- Disconnect the front plate (USB and audio output) from the motherboard.

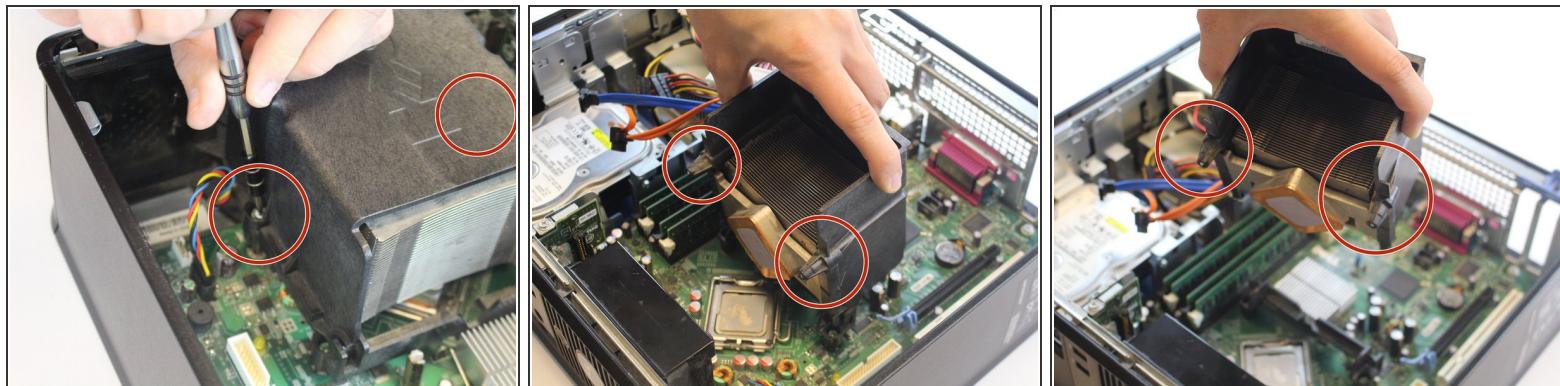
*(i)* Some of the cords in the pictures are missing due to the condition of our device when creating this guide.

## Step 4



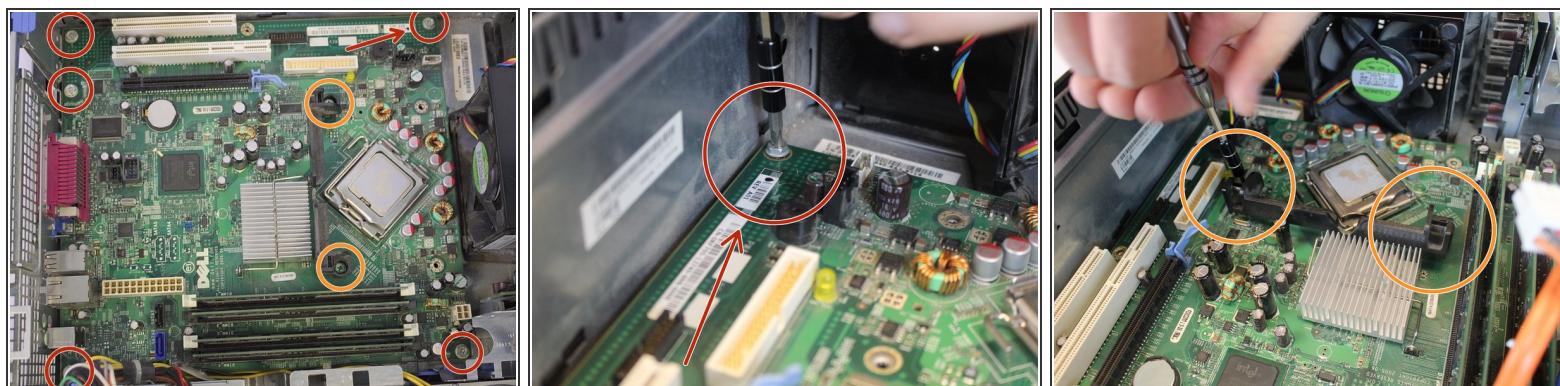
- Remove the graphics card.
  - Lift the blue latch on the fat end of the graphics card.
  - Pull the blue lever on the skinny end of the graphics card toward the power supply.
  - Pull out one end of the card at a time.

## Step 5



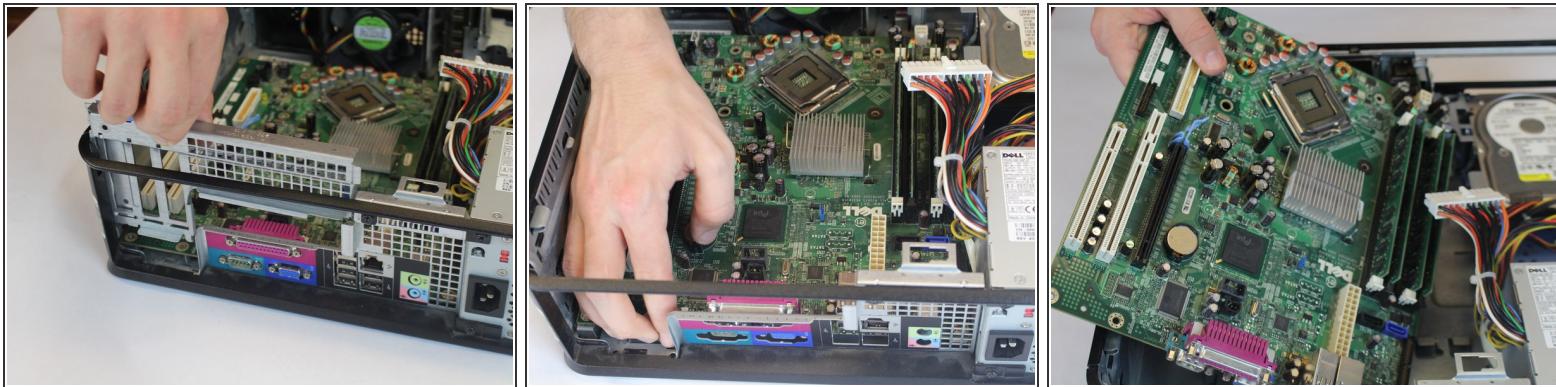
- Remove the heat sink.
  - Unscrew the (2) two screws using a Phillips #2 screwdriver and lift out the heat sink.

## Step 6



- Remove the (5) five 6mm Phillips #2 screws from the motherboard.
- Remove the (2) two 17mm Phillips #2 screws from the mount for the heat sink.

## Step 7



- Remove the back plate by lifting straight out by the blue latch that secures the graphics card.
- Pull the end of the motherboard closest to the back of the computer away from the static back plate.
- Lift this end away and out of the case.

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