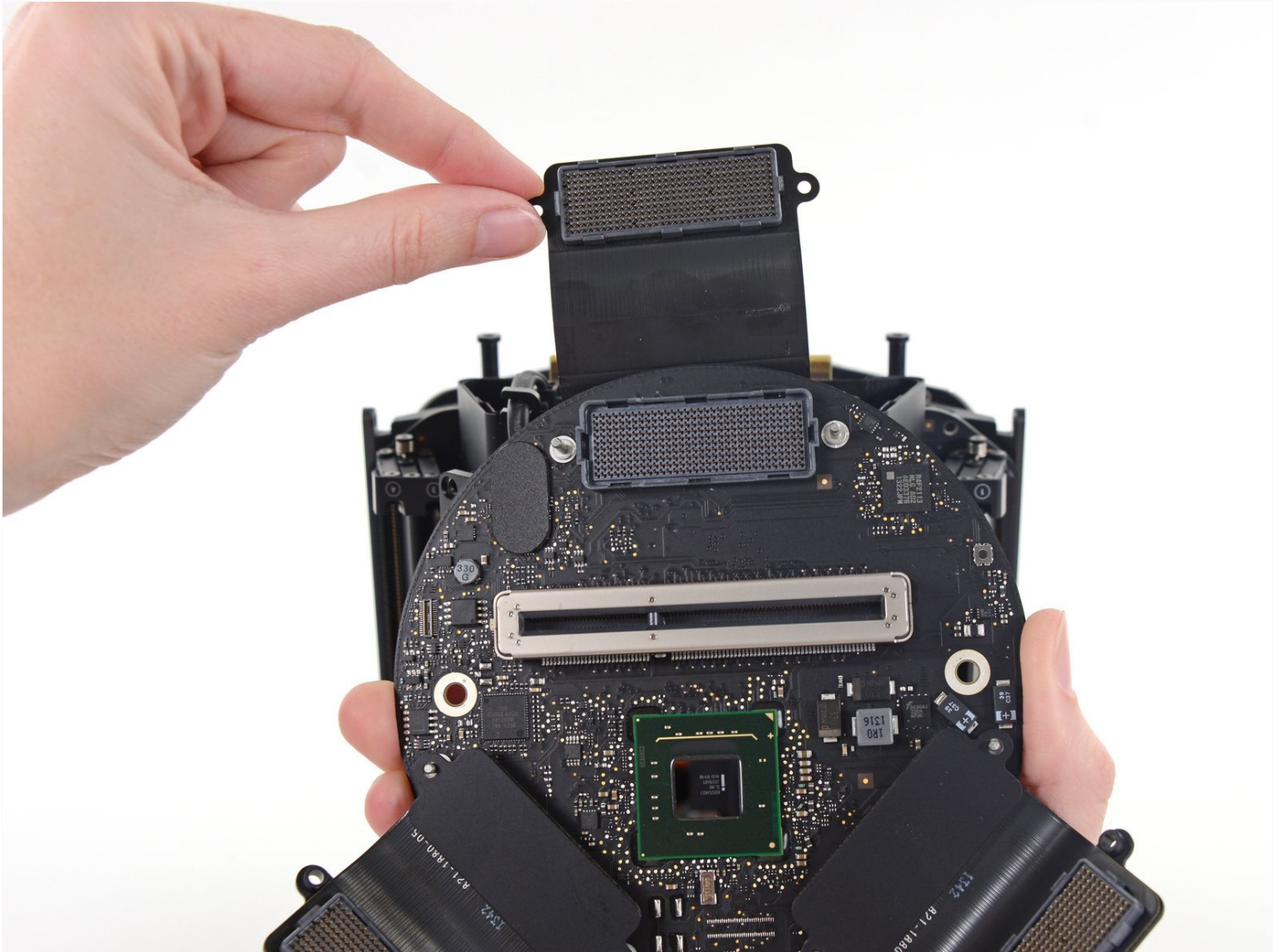# Mac Pro Late 2013 Interconnect Board Replacement

The interconnect board hosts connections to the...

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INTRODUCTION

The interconnect board hosts connections to the logic board, IO board, and both GPUs. Use this guide to remove and replace the interconnect board.

🔧 TOOLS:

[TR8 Torx Security Screwdriver](#) (1)
[Spudger](#) (1)
[TR10 Torx Security Screwdriver](#) (1)
[Tweezers](#) (1)

Step 1 — Outer Case

- Slide the lock switch to the right, to the unlocked position.

Step 2

- Lift the outer case straight up off the Mac Pro.

- ⓘ It may help to push down on the center of the fan while lifting the case up.

Step 3 — Fan Assembly

- Remove five 5.1 mm T10 Torx screws from around the outer perimeter of the fan assembly.

Step 4

ⓘ The fan assembly is attached to the rest of the computer by two cables on the IO board side.

● Tilt the assembly up away from the IO board.

⚠ Do not try to remove the fan assembly yet, as it is still attached by two cables.

Step 5

● While supporting the fan assembly with one hand, loosen the two T8 captive screws in the fan cable bracket.

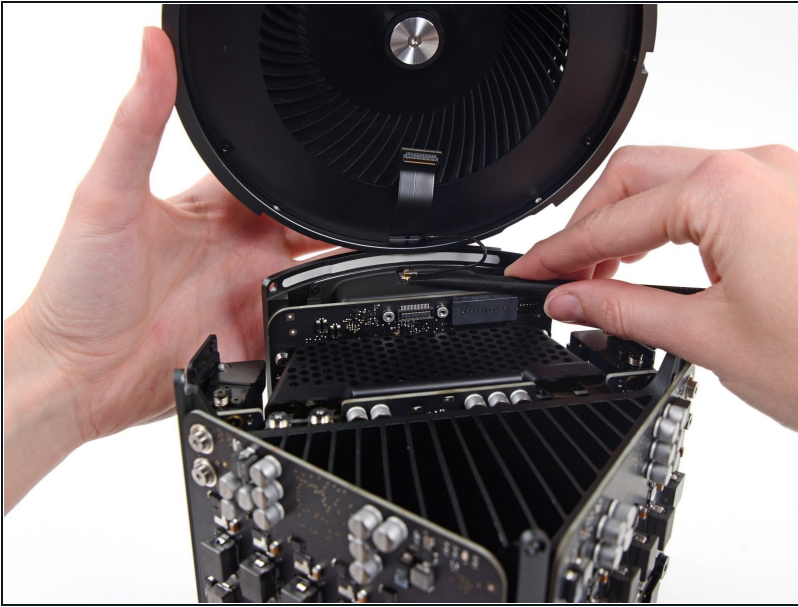⚠ These screws are captive in the Mac Pro. Do not try to remove these screws from your Mac Pro.

Step 6

- Use a pair of tweezers to pull the fan cable bracket away from the fan assembly.

Step 7

- Use the flat end of a spudger to disconnect the fan assembly ribbon cable from the IO board.

Step 8

- Disconnect the fan assembly antenna cable from the IO board.

- Remove the fan assembly from the Mac Pro.

Step 9 — Lower Case

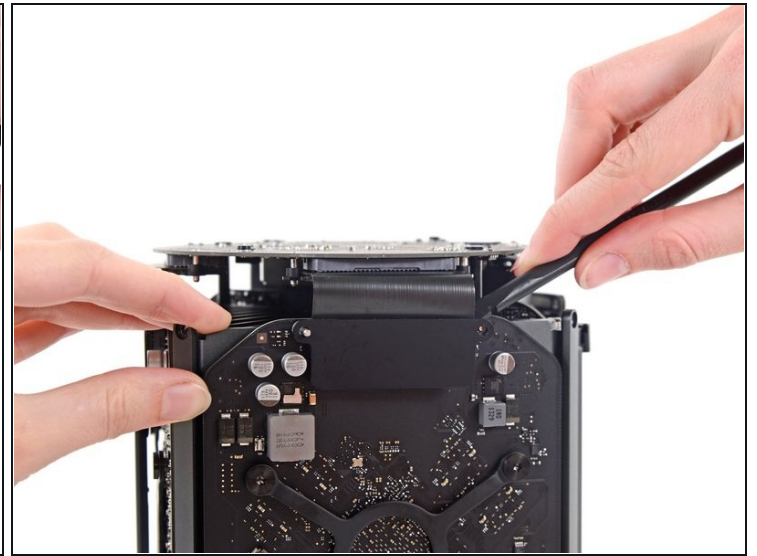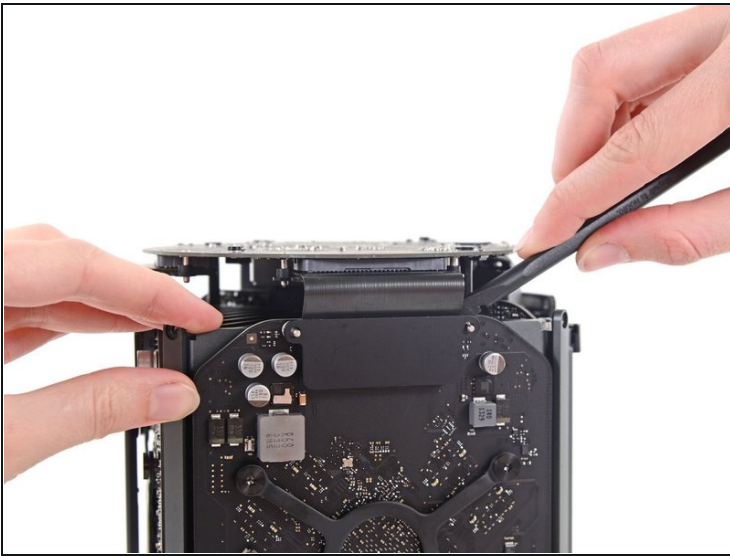ⓘ Flip the Mac Pro upside down, 180 degrees.

- Remove five 5.1 mm T10 Torx screws from the outer perimeter of the lower case.
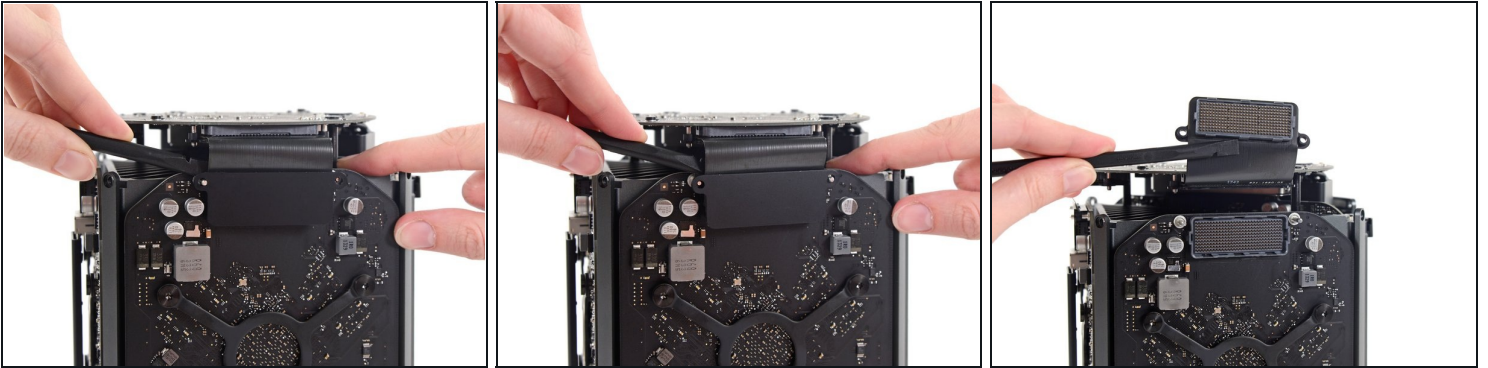
Step 10

- Carefully lift the lower case up and remove it from the Mac Pro.

Step 11 — Interconnect Board

- Use the flat end of a spudger and a twisting motion to gently separate one side of the graphics card data connection.

Step 12

- Gently separate the other side as well.

- Flip the connector up and out of the way of the graphics card.

- (i) Repeat this procedure on the other graphics card.

Step 13

- Remove the two 6.0 mm T8 Torx screws securing the interconnect board to the heat sink.
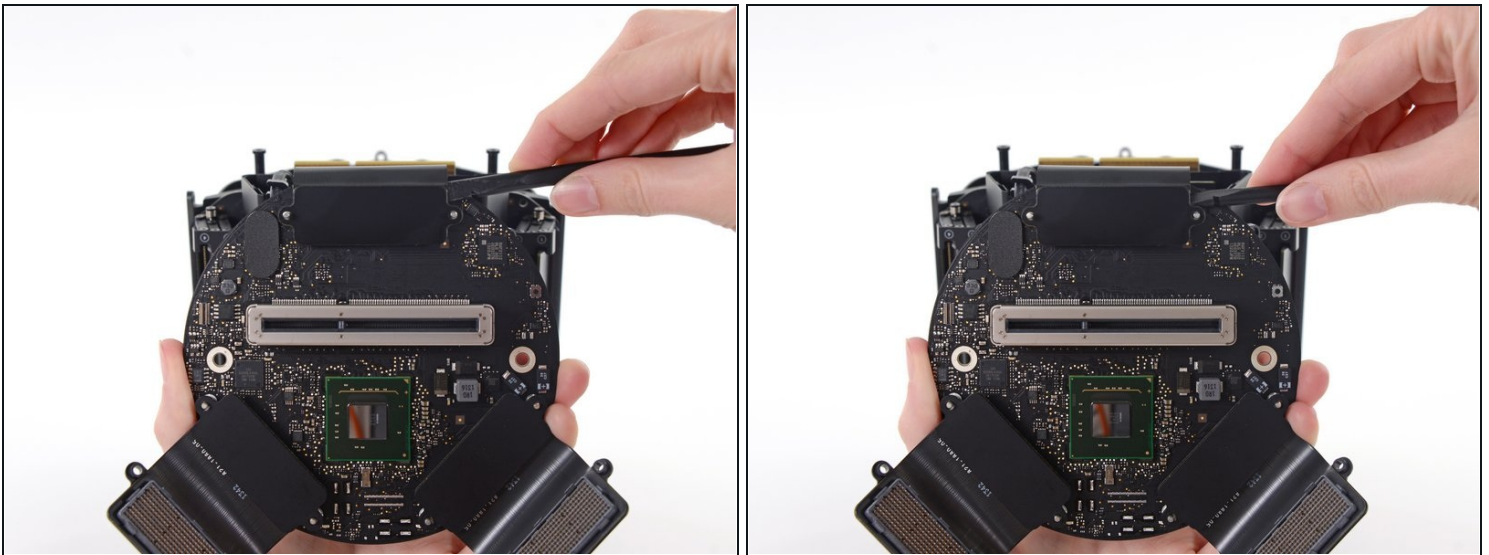
Step 14

- Gently walk the interconnect board straight up off the logic board's slot connection.

- (i) It is recommended to lift one side and then the other.
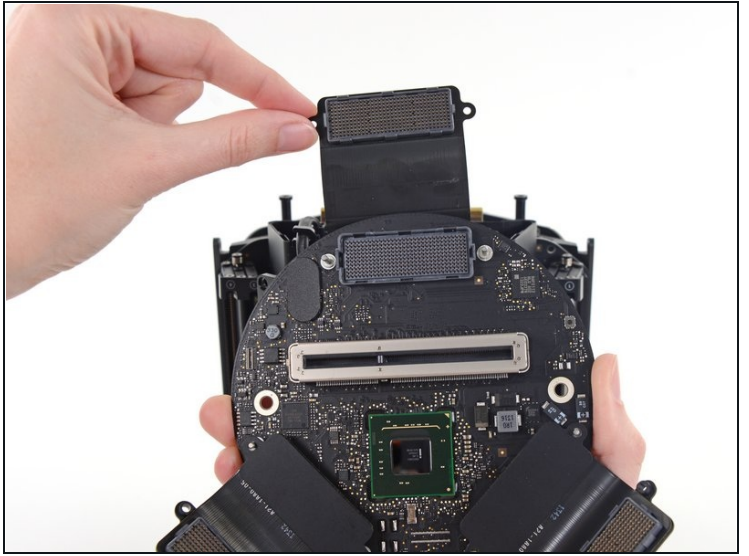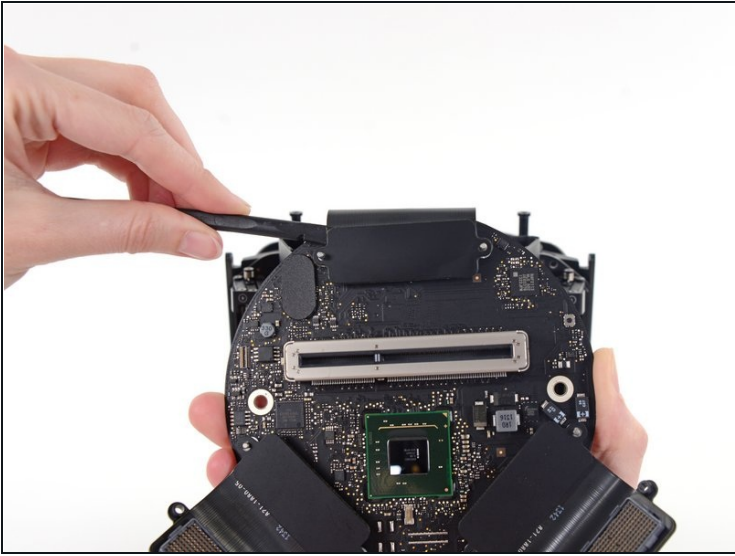
- ⚠ Do not try to remove the interconnect board from the Mac Pro yet, as it is still connected to the IO board.

Step 15

- Flip the interconnect board up and over, exposing the IO board data cable.

- Use the same sort of twisting and spreading motion with the flat end of a spudger to separate one side of the IO board data cable.

Step 16

- Use the flat end of a spudger to separate the other side of the IO board data cable.

- Bend the cable out of the way and remove the interconnect board from the Mac Pro.

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