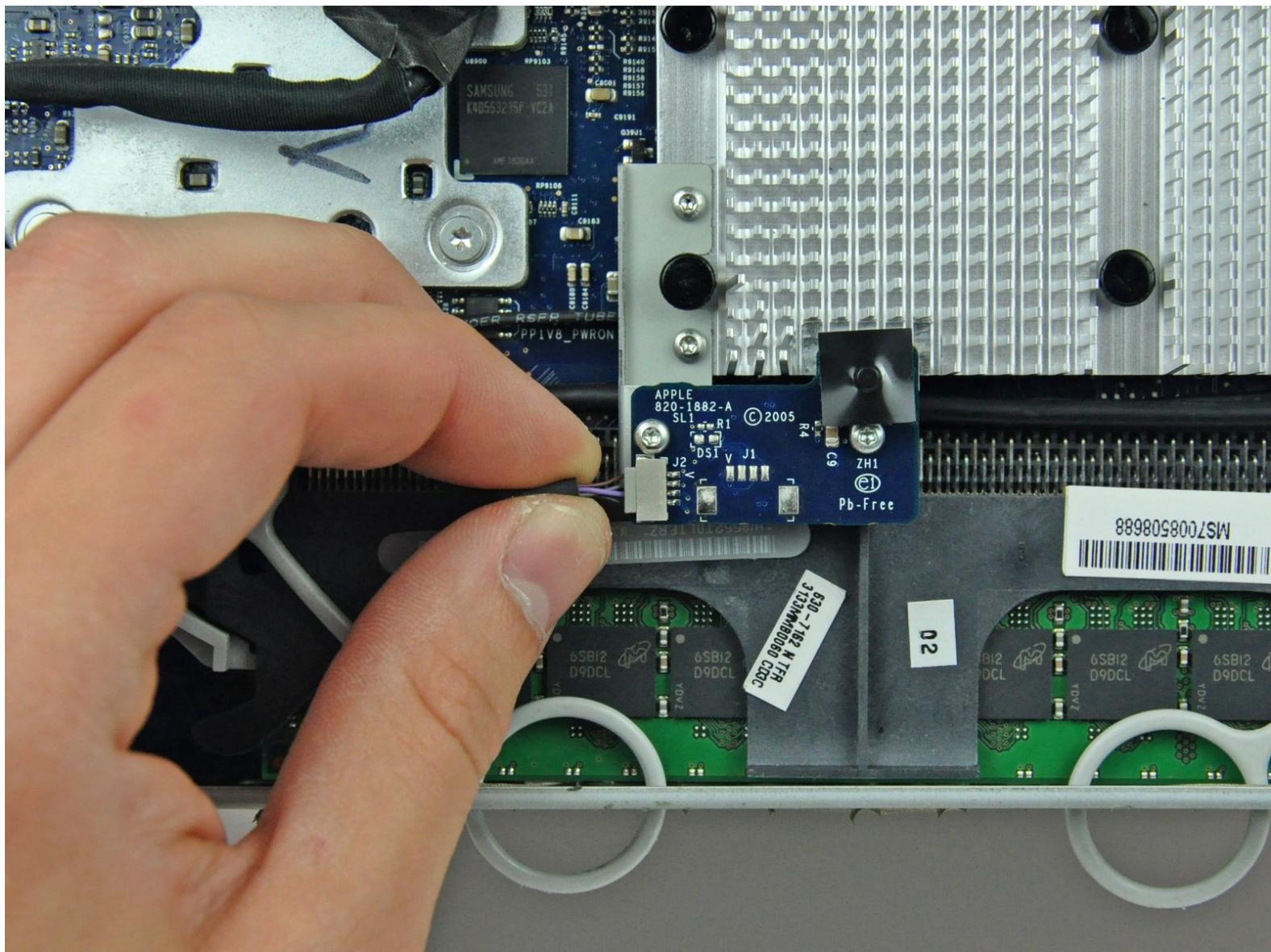




iMac G5 20" Model A1145 IR Board Replacement

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INTRODUCTION

Replace a faulty IR board to restore control of your iMac with an Apple remote.

TOOLS:

- [Phillips #1 Screwdriver \(1\)](#)
- [Plastic Cards \(1\)](#)
- [T6 Torx Screwdriver \(1\)](#)
- [T8 Torx Screwdriver \(1\)](#)

Step 1 — Access Door



- Orient the iMac face-side down on a table with the bottom edge facing yourself.
- Remove the two Phillips screws securing the access door to the bottom grille of your iMac.

(i) The screws are captive in the access door.

⚠ Before beginning the repair, unplug the computer and press and hold the power switch for 20-30 seconds, to discharge internal capacitors.

Step 2



- Remove the access door.

Step 3 — Front Bezel



- Remove the three T8 Torx screws securing the front bezel to the rear case along the lower edge of the iMac.

Step 4



- Turn the computer over.
- Use your thumbs to press both RAM arms in past the front bezel for enough clearance to lift it off the rear case.

Step 5



- While holding the RAM arms in with your thumbs, lift the lower edge of the front bezel enough to clear the rear case.

Step 6



(i) Re-orient your iMac so it sits upright on the stand.

- Insert a plastic card up into the corner of the air vent slot near the top of the rear case.
- Push the card toward the top of the iMac to release the front bezel latch.
- Pull the front bezel away from the rear case.
- Repeat this process for the other side of the front bezel.

(i) It may be necessary to apply several layers of duct tape to the top of the access card to aid in releasing the latches.

- If the bezel refuses to release, try pressing the lower edge back onto the rear case and repeat this opening process.

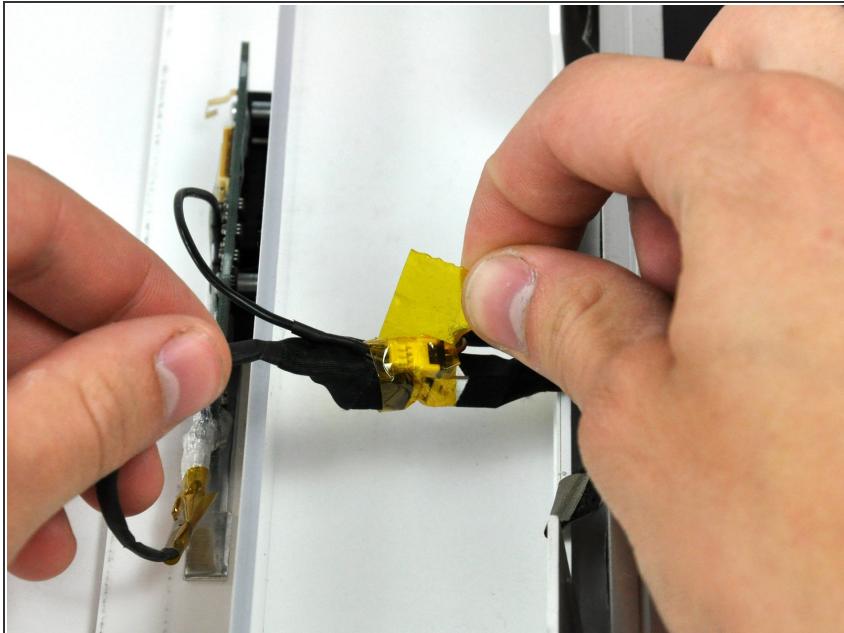
(i) Alternatively, you can use a strong magnet by holding it to the front top left/right corner of the display. You will hear a snapping sound when the hatch is released.

Step 7



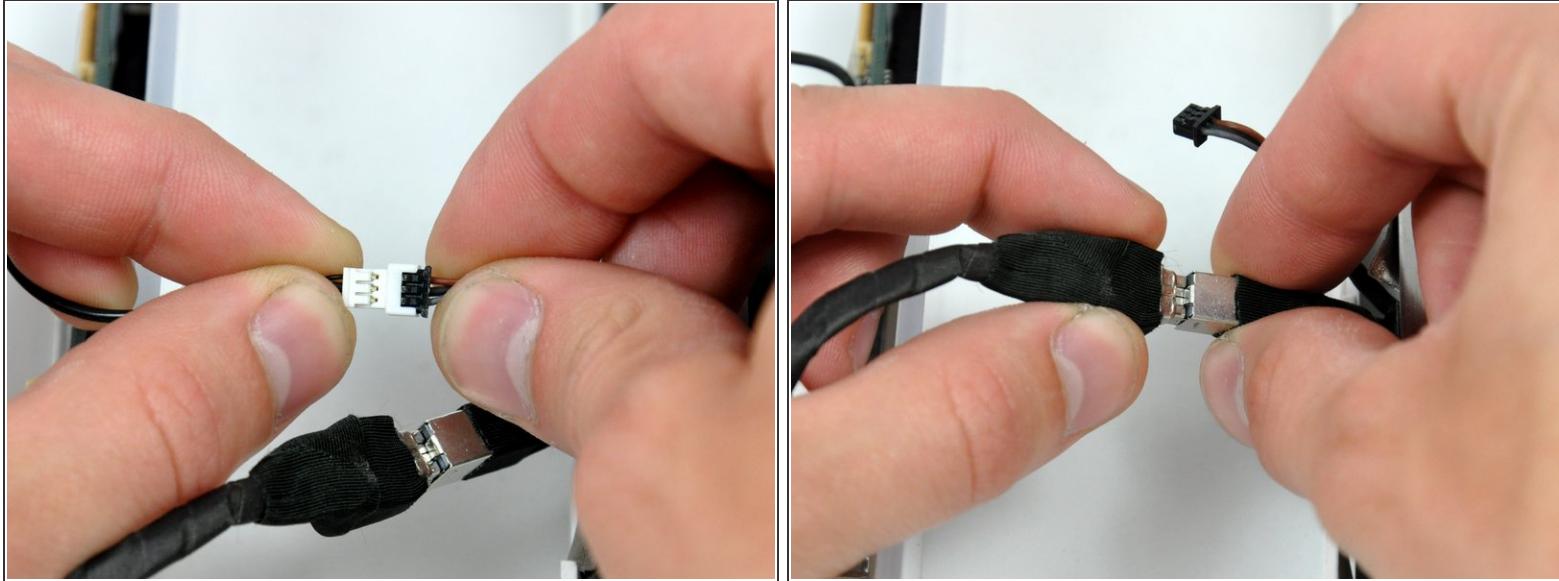
- Lay your iMac stand-side down on a table.
- Lift the front bezel from its lower edge and rotate it away from the rest of your iMac, minding the RAM arms that may get caught.
- Lay the front bezel above the rest of the iMac.

Step 8



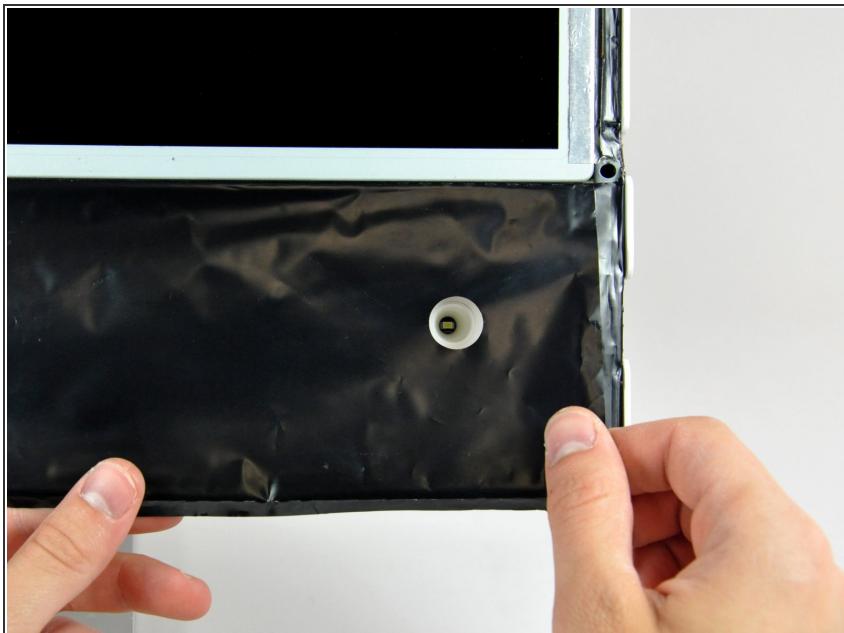
- If necessary, remove the piece of kapton tape wrapped around the microphone and camera connectors.

Step 9



- Disconnect both the camera and microphone cables.

Step 10 — Lower EMI Shield



- Peel the lower EMI shield off the lower edge of the iMac and off the two vertical 4" sections on either side of the iMac.

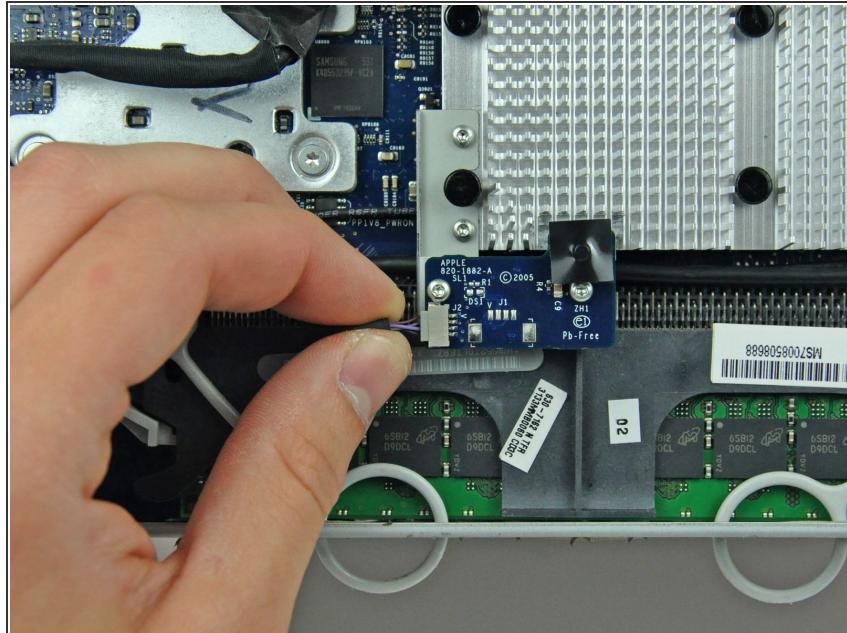
i It is not necessary to peel the lower EMI shield off the display.

Step 11



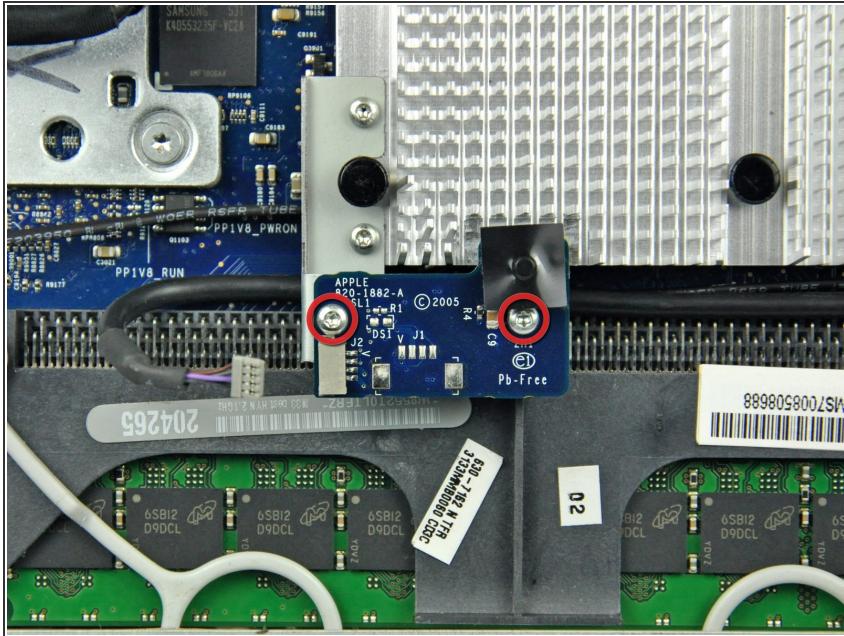
- Tape the lower EMI shield up against the face of the display to keep it out of the way while you work.

Step 12 — IR Board



- Disconnect the IR board cable by pulling its connector toward the left edge of your iMac.

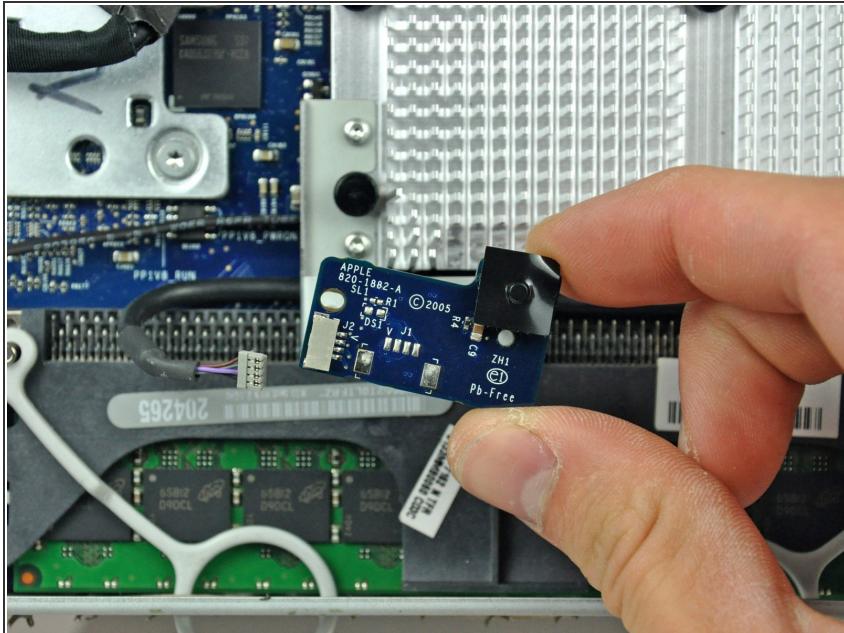
Step 13



- Remove the two T6 Torx screws securing the IR board to its metal bracket.

 Hold the IR board as you remove the last screw, as it may fall.

Step 14



- Remove the IR board from your iMac.

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