



# iMac G3 Model M4984 Video Ram Replacement

Written By: Chris Green



---

## INTRODUCTION

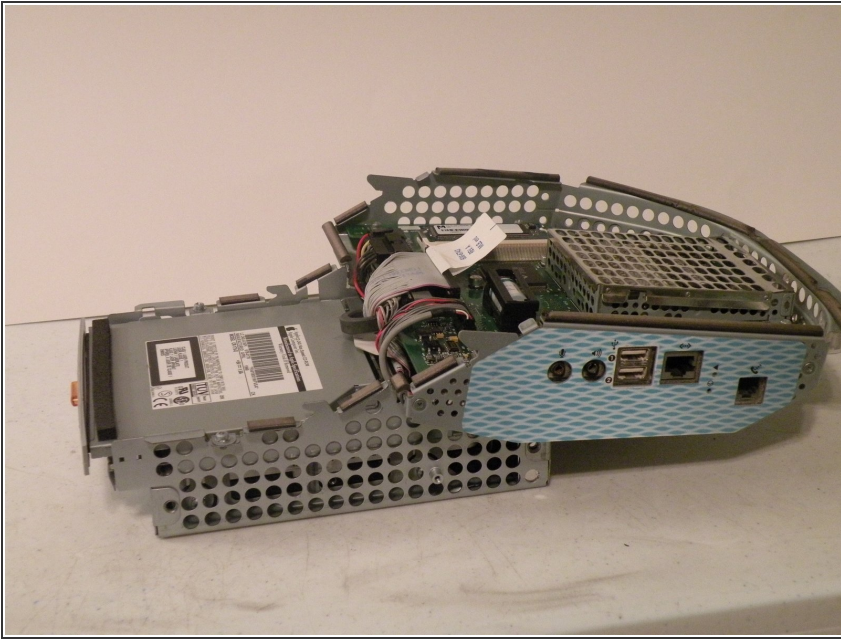
The iMac G3 had onboard video which usually means no upgrade-ability. The iMac developers found a way to allow video upgrade-ability (sort of); they built 2MB on to the logic board to power the ATI 3D Rage Pro Turbo PCI, and added a video ram DIMM slot on the motherboard allowing users to upgrade their video ram using proprietary Apple DIMMs.



### TOOLS:

- [Flathead Screwdriver](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
-

## Step 1 — Logic Board



- The iMac G3. This was a great computer for the time, and had plenty of features.

## Step 2



- Start by flipping the iMac upside-down. It may help to lay it on a towel, so you don't damage the screen, or scratch the face.

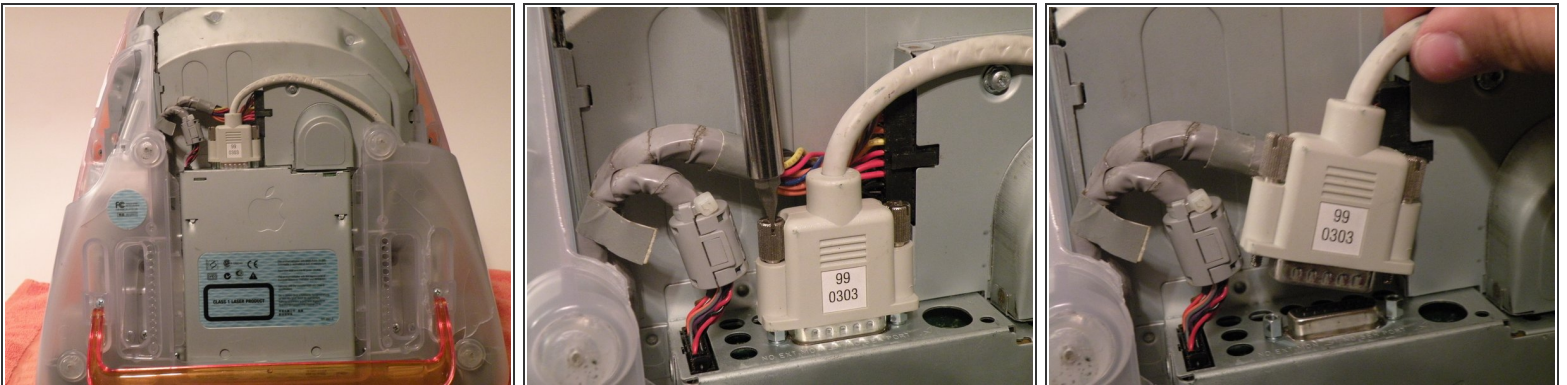


## Step 3



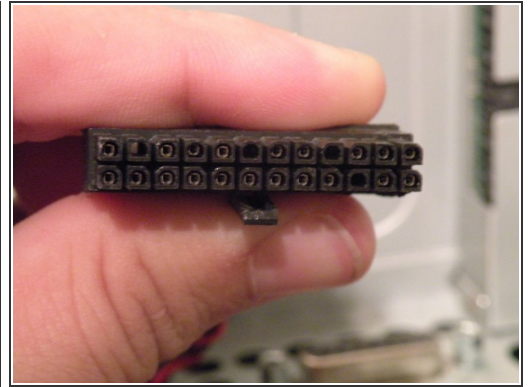
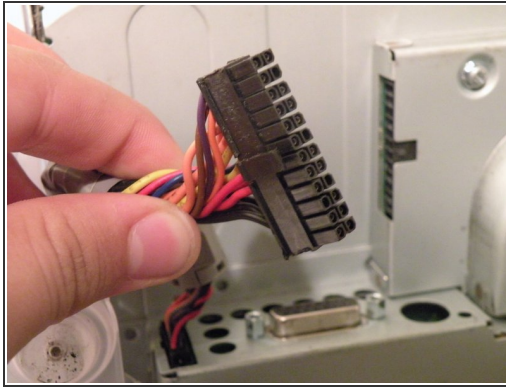
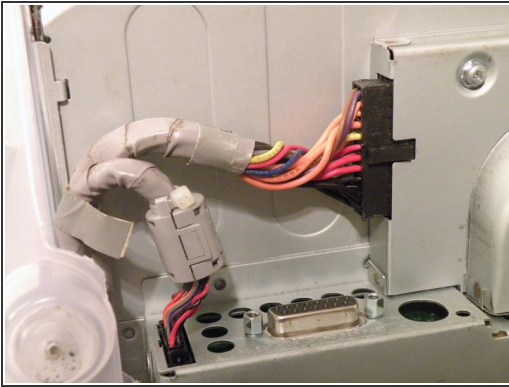
- Remove this Phillips screw.
- Using a flathead screwdriver, work your way around the bottom cover, until it comes off.
- Then, lift the bottom cover up and out, and set it aside.

## Step 4



- Now, remove the DB-15 Video connector from the logic board.
- It may be helpful to use a Phillips screwdriver to remove the thumbscrews.

## Step 5



- Remove the power cable from the logic board assembly.

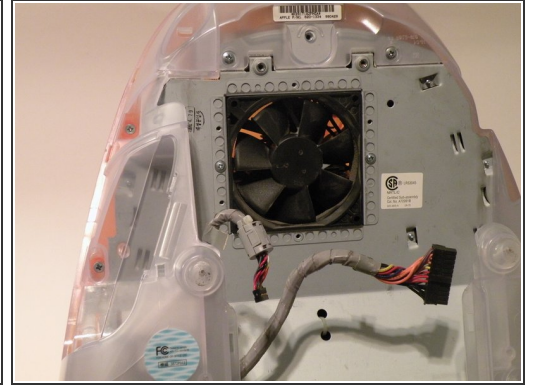
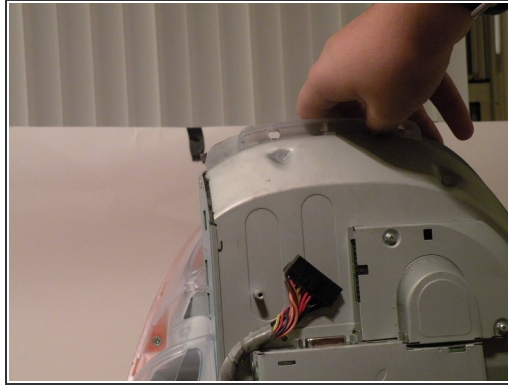
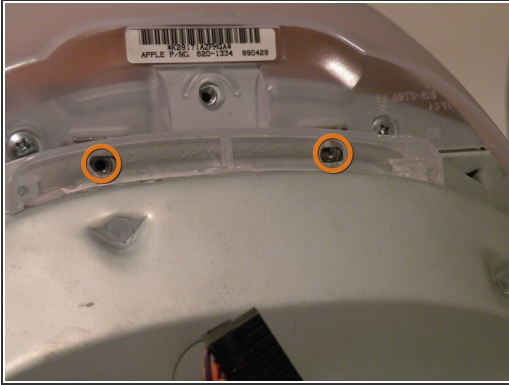
## Step 6



- Remove the front panel connector.

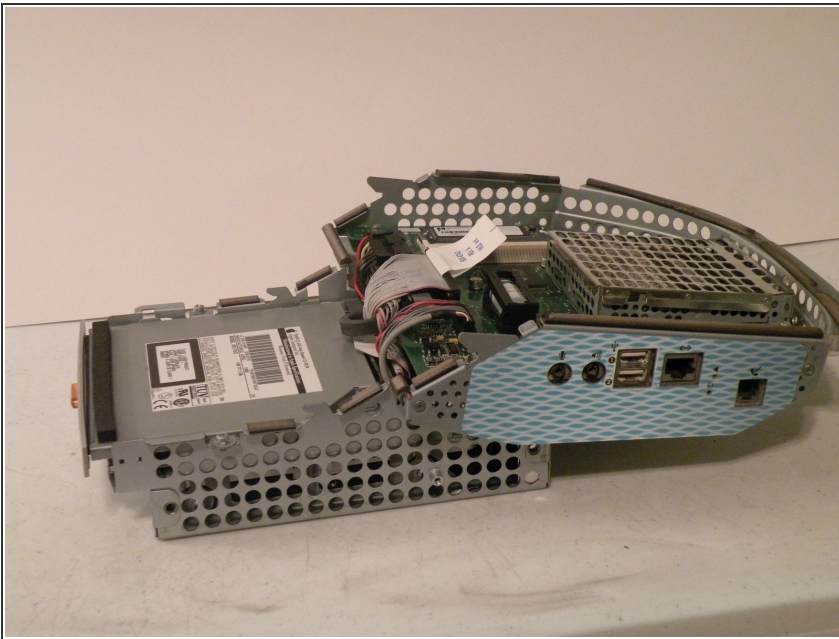


## Step 7



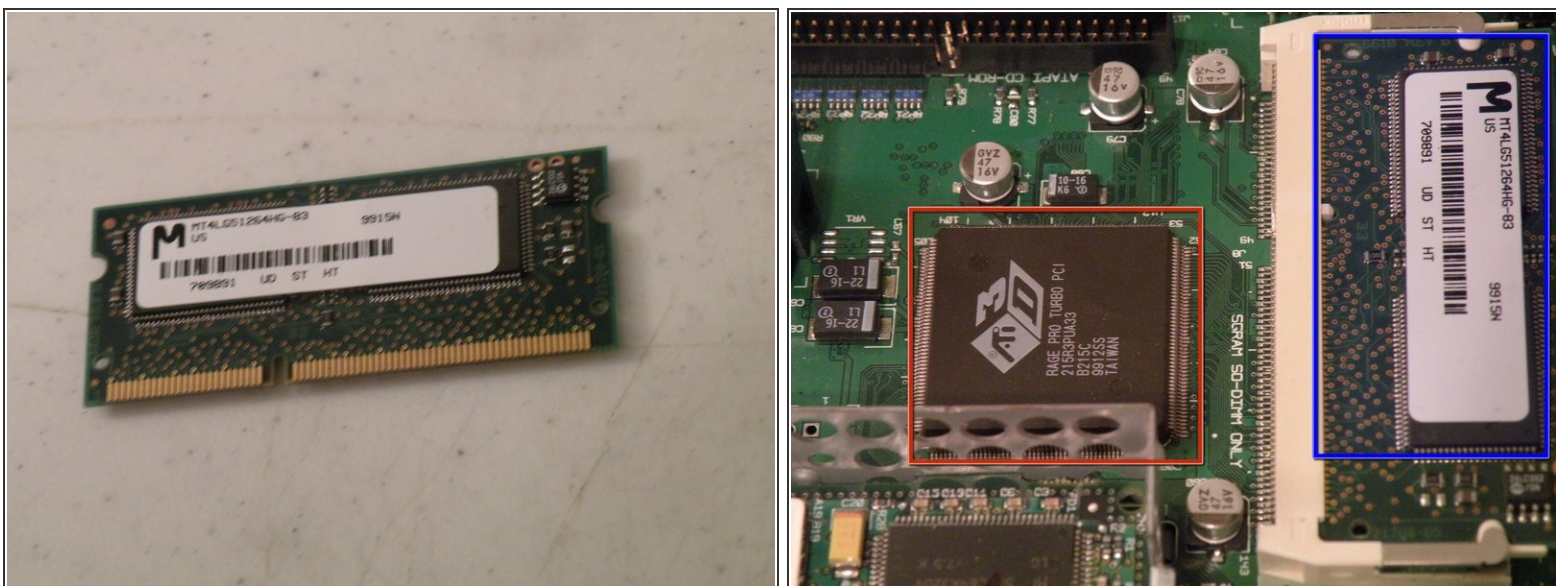
- Now, remove these Phillips screws.
- Now, grab the logic board assembly by the piece of plastic, and lift it out.

## Step 8



- The logic board assembly. This is the heart of the computer, it contains the motherboard, CPU, RAM, V-RAM, PRAM battery, the hard drive, and the optical drive.

## Step 9 — Video Ram



- The Video-RAM DIMM slot is located on top of the logic board. Most people confuse this with the system RAM which is hidden under the CPU Shield.
- The GPU: an ATI 3D Rage Pro Turbo PCI with 2MB onboard + the video RAM DIMM:
- The Video RAM DIMM:

## Step 10



- To remove the V-RAM, push the retaining tabs out, and the DIMM should pop up, then pull it out.
- The 2MB of V-RAM soldered to the logic board:
- According to what I've read, the iMac will support 10MB Total V-RAM, 2MB onboard, 8MB DIMM.

This document was generated on 2019-09-17 07:46:34 AM (MST).

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