



# iMac G3 Model M4984 RAM Replacement

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## INTRODUCTION

The iMac G3 was Apple's brand new all-in-one Macintosh. It had five different colors of translucent plastic that it was available in: Blueberry, Lime, Strawberry, Grape, and Tangerine, these were known as the "5 Flavors." The iMac "i" standing for internet, was very capable, it had built in LAN, IR (this was removed in later models), and a 233Mhz, 266Mhz, or 333Mhz PowerPC 750 (G3) CPU, and a built in 15" CRT screen. This computer paved the way for modern Macs.

The iMac G3 M4984 uses PC100 laptop-style memory. Some models support a maximum of 256MB while others support a maximum of 512MB, this is entirely dependent on the firmware of the machine.



### TOOLS:

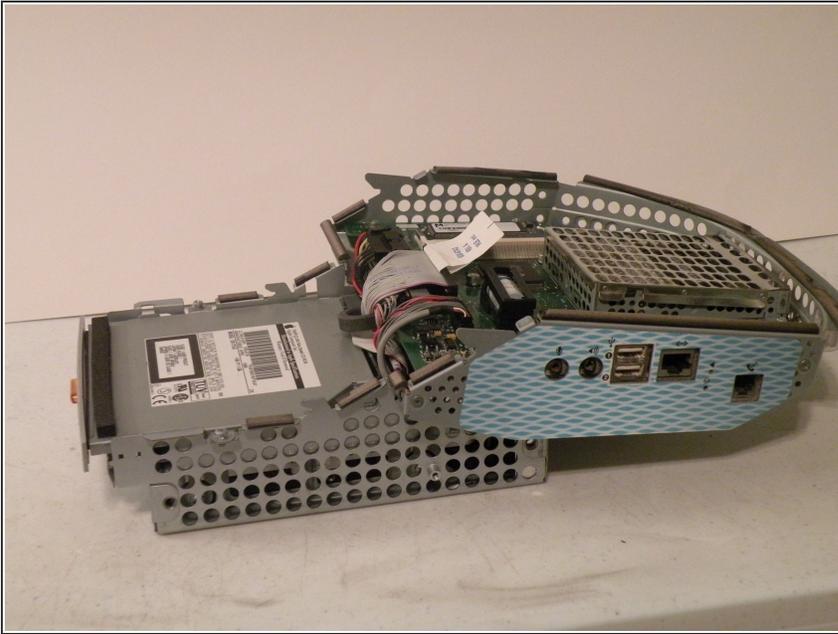
- [6-in-1 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)



### PARTS:

- [PC133 256 MB RAM Chip](#) (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



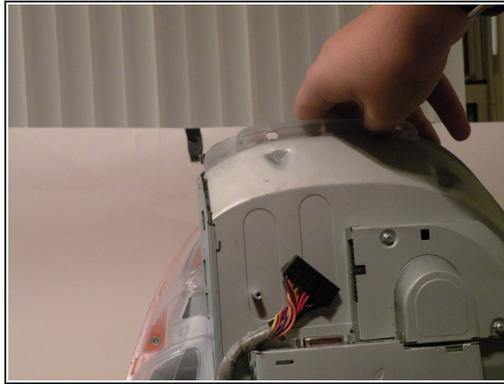
- Remove the power cable from the logic board assembly.

## Step 6



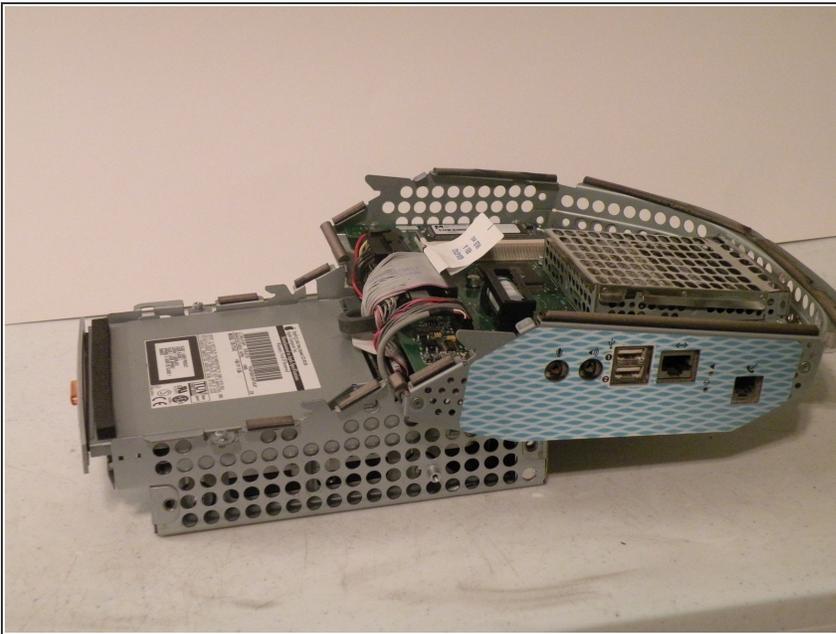
- Remove the front panel connector. (You may also need to remove an additional screw that connects the front panel connector to the logic board assembly).

## Step 7



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

## Step 8



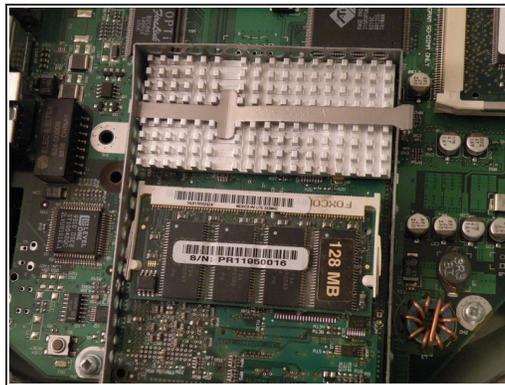
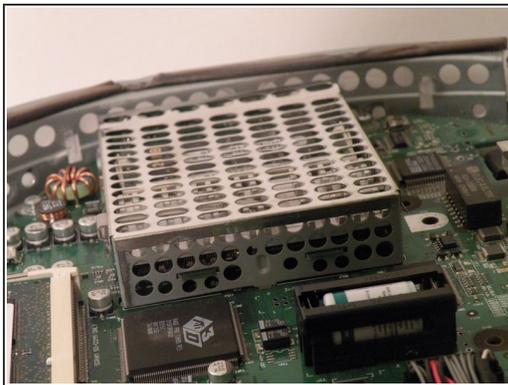
- The logic board assembly. This is the heart of the computer, it contains the motherboard, CPU, RAM, V-RAM, PRAM battery, the hard drive, and the optical drive.

## Step 9 — RAM



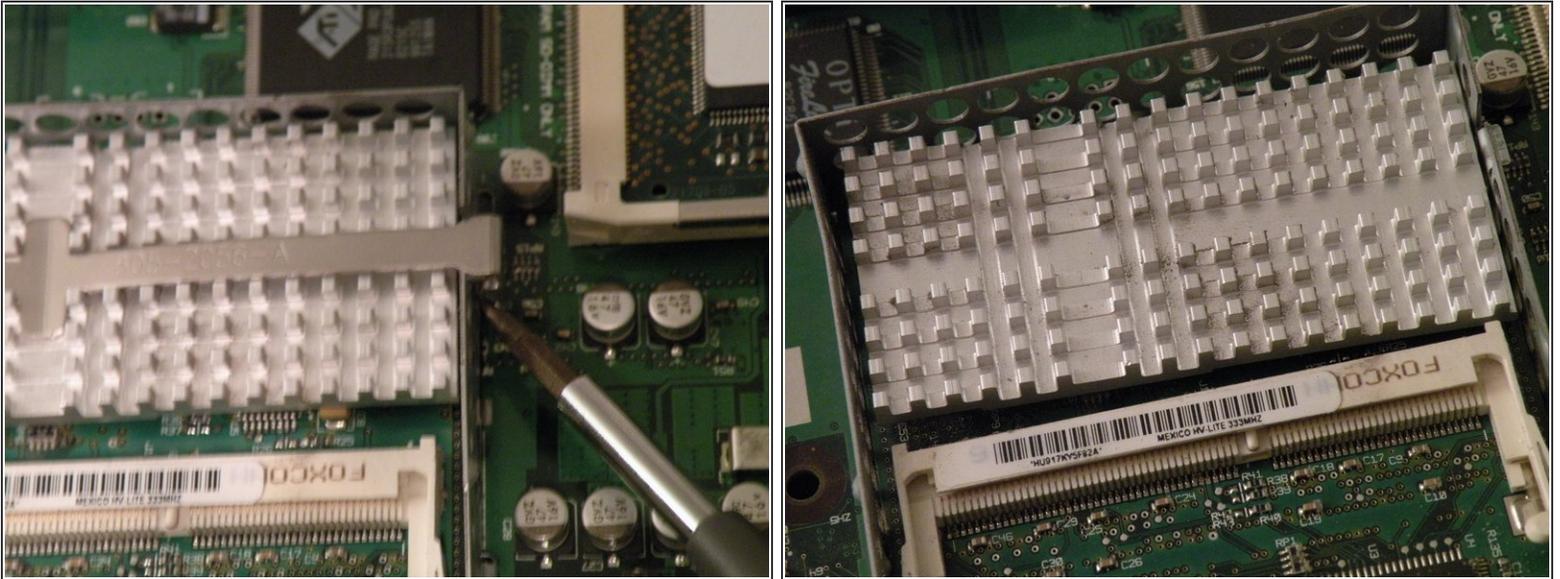
- Now, it's time to remove the RAM.

## Step 10



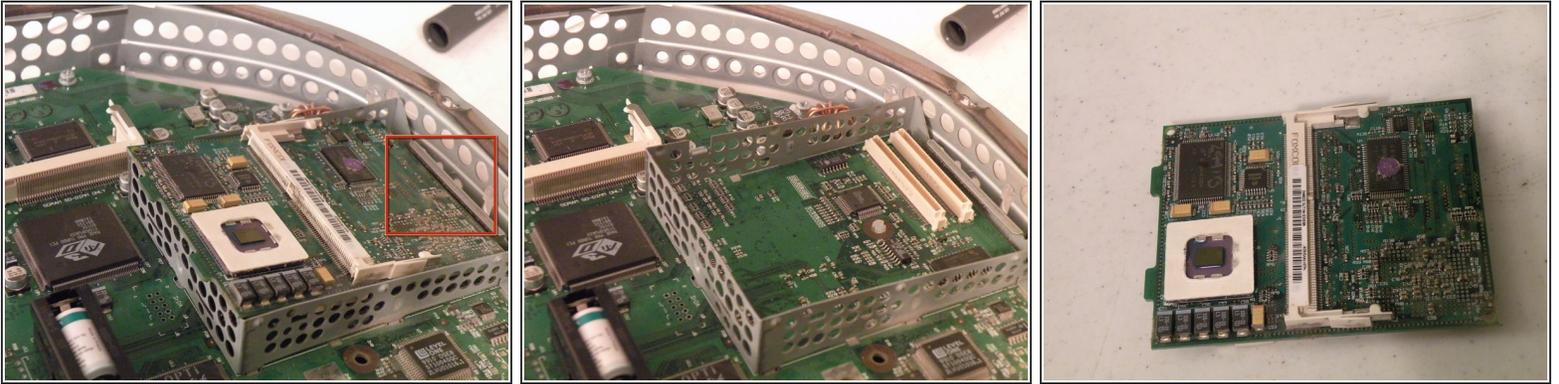
- Remove the CPU shield, this will reveal the "top slot". This is the user-serviceable RAM slot, though there is a second slot of RAM under the CPU card.
- The iMac uses PC100 Laptop Ram, and according to Apple, it supports up to 256MB RAM (2X128MB) but unofficially. Some later models can support 512MB (2X256MB).
- Push the tabs out, and the RAM should pop up, then pull the ram out.

## Step 11



- RAM (bottom slot).
- Remove the CPU Heatsink.
- Use a flathead screwdriver. Remove the heatsink clip, it will pop off, and may get lost if you don't keep track of it.
- Remove the heatsink revealing the CPU, then lift the CPU card up, and it should come free with a little tug.

## Step 12



- Removing the CPU Card:
- Lift the card out by this end!

## Step 13



- Now, flip the card over.
- This will reveal another stick of laptop PC66.
- This is most likely a 32MB Stick, because the iMac shipped standard with only 32MB of RAM.
- Now, remove it by pushing the tabs, it should pop up, and you can set it aside.

## Step 14



- The RAM.
- The iMac supports two pieces of PC66 laptop RAM, though it can use PC100 and PC133 (laptop size of course).

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