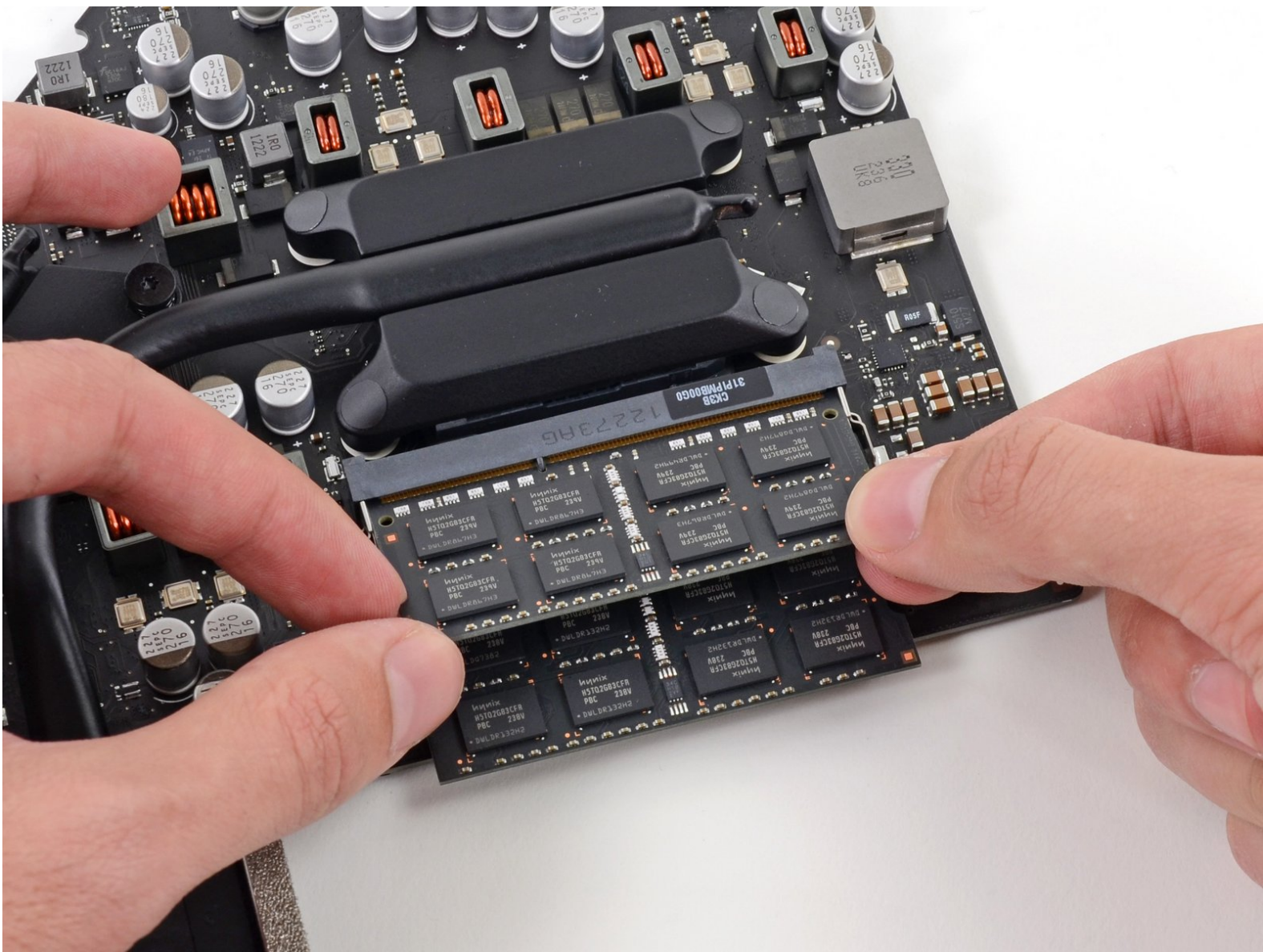




# Upgrading iMac Intel 21.5" EMC 2544 RAM Memory

Written By: jimenezser



# INTRODUCTION

Upgrade up to 16 GB of RAM memory in your 21.5" iMac

All photos are property of iFixit

## TOOLS:

- [3M 4910 VHB double sided tape 5mm](#) (1)

*You can get it on hardware stores or eBay*

- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Spudger](#) (1)
- [T10 Torx Screwdriver](#) (1)
- [T8 Torx Screwdriver](#) (1)

## PARTS:

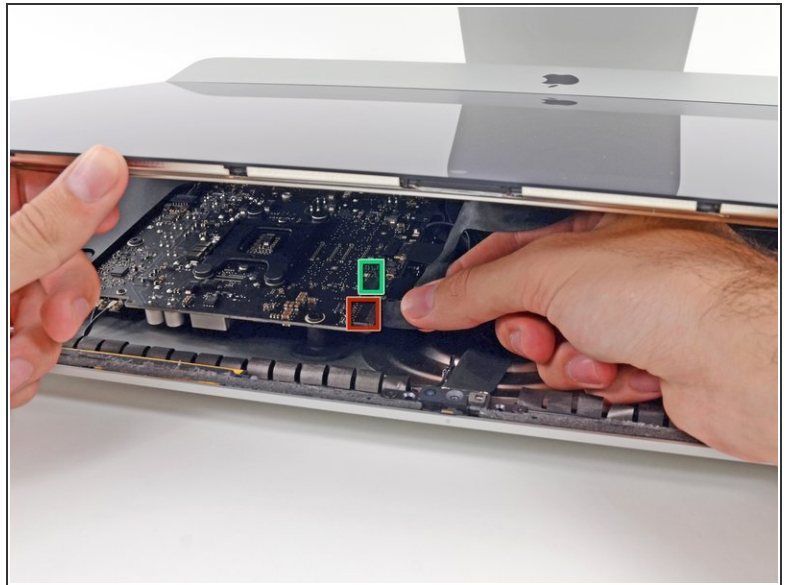
- [PC3-12800 2 GB RAM Chip](#) (1)
- [PC3-12800 4 GB RAM Chip](#) (1)
- [PC3-12800 8 GB RAM Chip](#) (1)

## Step 1 — Unglue the screen



- First you need to remove the glue from the edge of the iMac
  - Use a Guitar Pick around the screen to remove the glue
- ⚠ Be careful not to damage the iSight camera

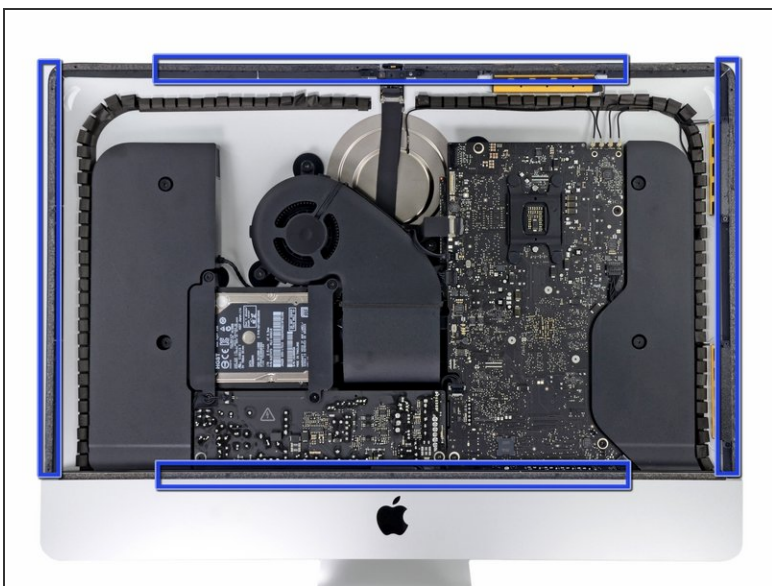
## Step 2 — Screen



- Once you are sure the adhesive is removed, use two heavy suction cups to lift the screen
- Unplug these cables:
  - DisplayPort Cable
  - Power Cable
- Lift the screen from the iMac

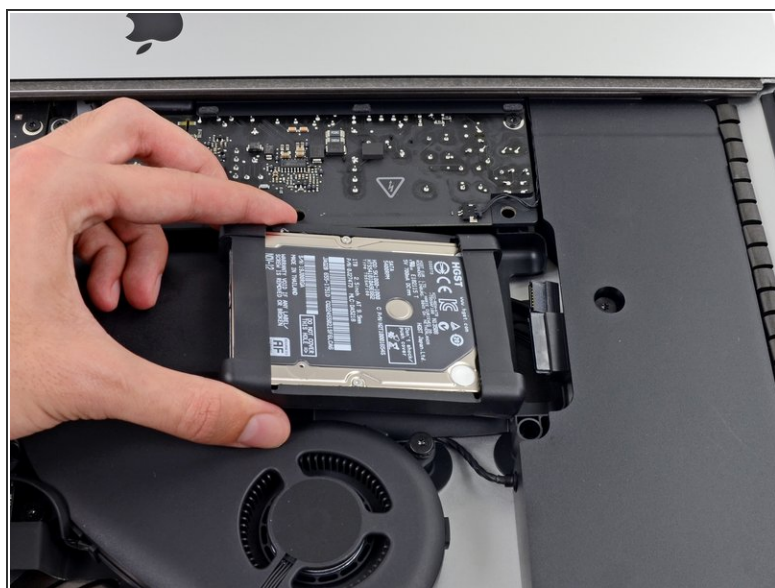
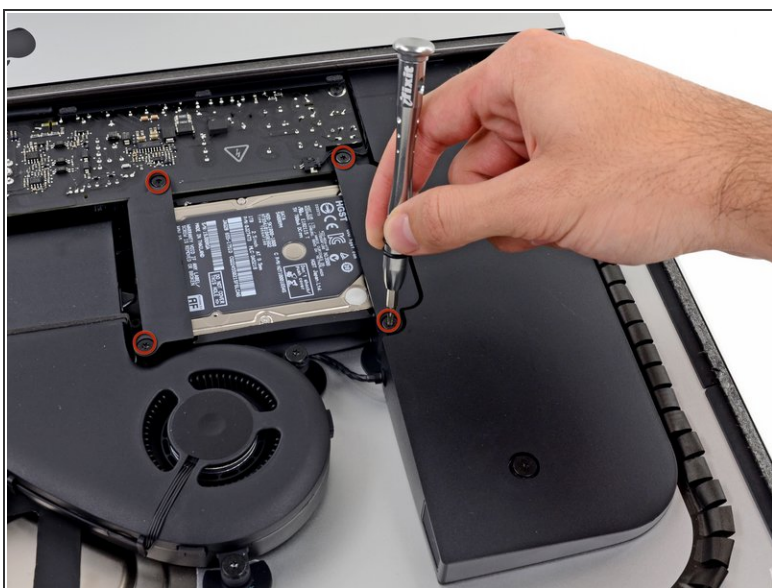


### Step 3 — Adhesive



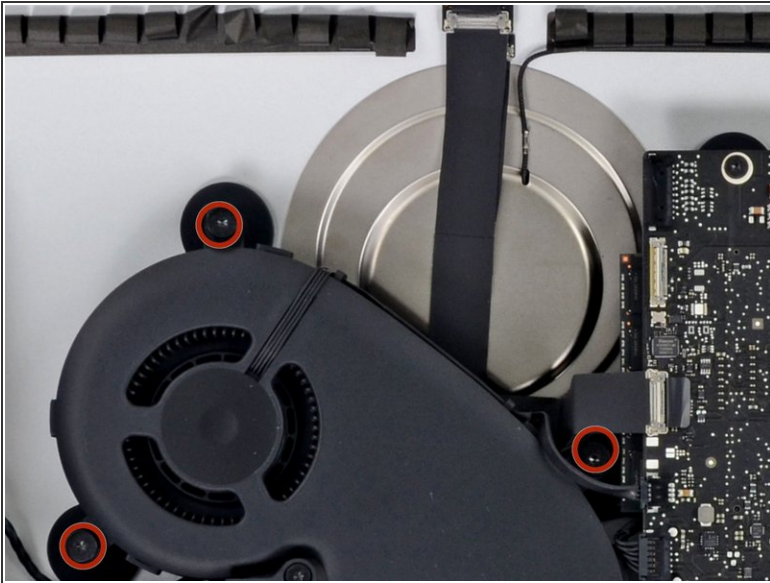
- Remove the gray tape from the iMac and the screen itself
- ⓘ When reassembling the iMac, put double sided tape on the screen and the iMac

### Step 4 — Hard drive



- Remove the four Torx T10 screws
- Unplug the SATA cables and remove the hard drive

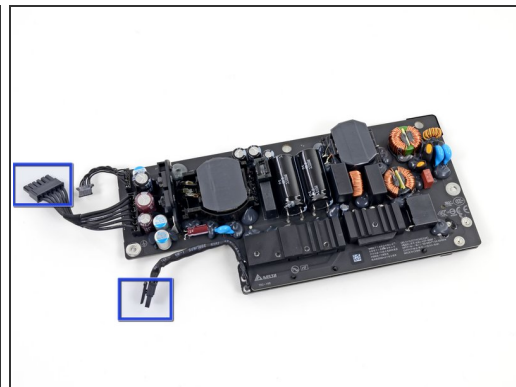
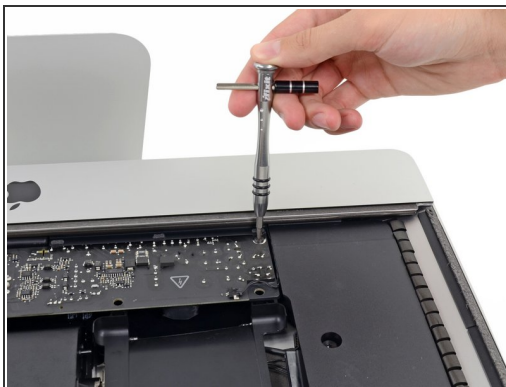
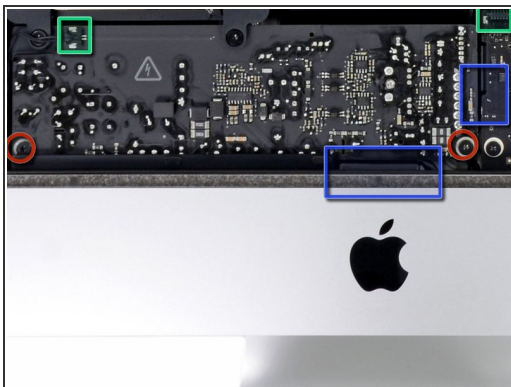
## Step 5 — Fan



- Remove these 3 Torx T10 screws
- After you remove the screws, remove these cables
  - Fan Cable
  - Unstick and unplug the camera cable
- ⓘ After you remove the fan, remove the hard drive bay removing a single Torx T10 screw

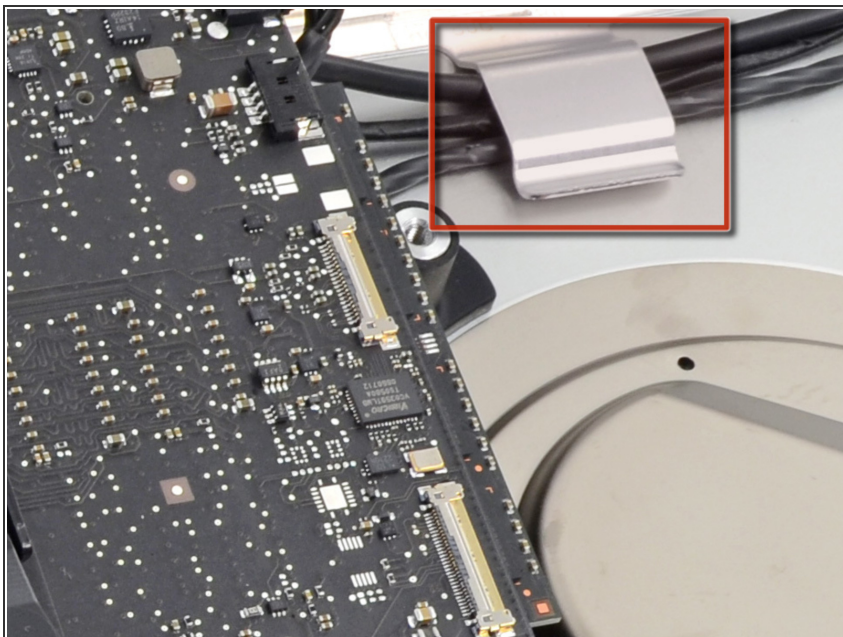


## Step 6 — Power board



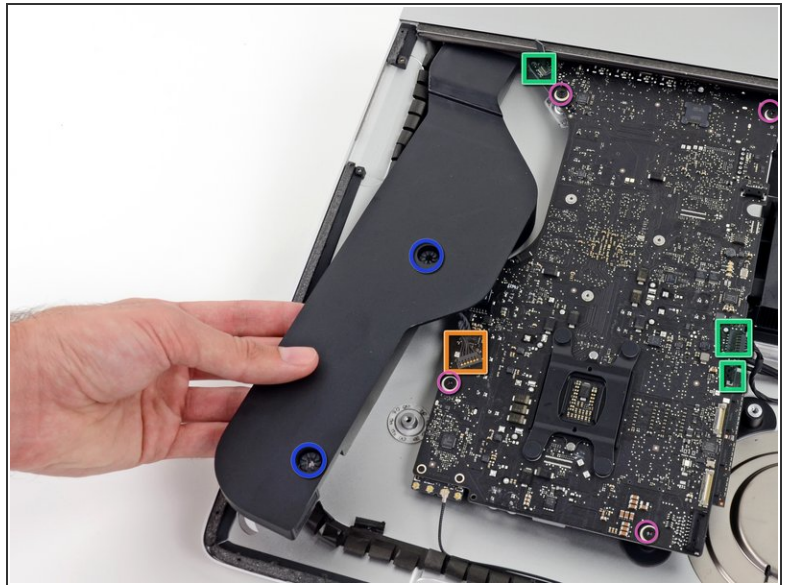
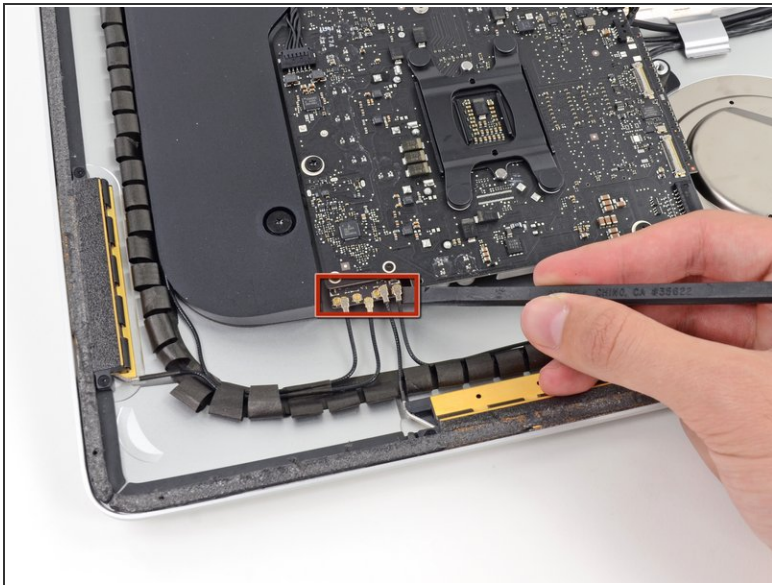
- Remove these 2 Torx T10 screws
- Unplug these 2 cables
- Unplug 2 more cable below the power board by pressing the clip
- ⓘ The power board is hard to remove from its place, remove it carefully

## Step 7



- Remove the cables out of the clip

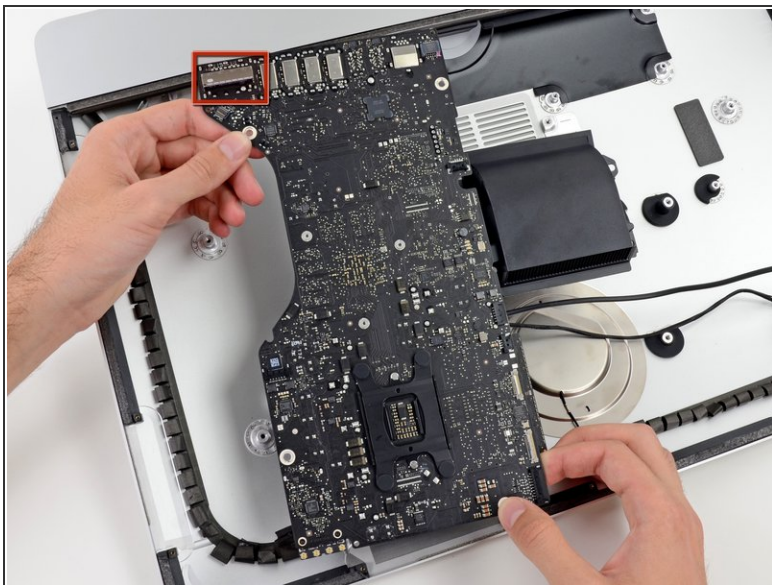
## Step 8



- Unplug these 4 antenna connectors
  - ⓘ When reassembling be sure that the connectors are in the same place
- After that, remove these two Torx T10 screws
- Move the speaker and unplug the cable from the logic board
- Remove these other cables
- For finish, remove these four Torx T10 screws



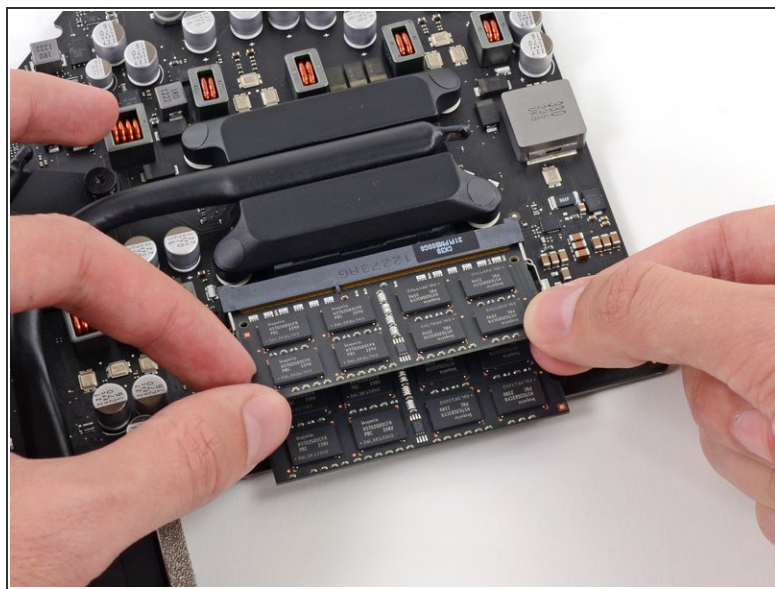
## Step 9 — Logic Board



- Unscrew 3 Torx T8 screws from the heatsink, then remove the logic board from the iMac

⚠ Be careful not to damage the SD card reader with the screw mount

## Step 10 — RAM memory



- Flip the logic board over and release the tabs from each side of the RAM

To reassemble your device, follow these instructions in reverse order remembering to re-glue the screen.