



Installing iPad 3G Communications Board

Tools used in this guide

- [Metal Spudger](#) (1)
- [Plastic Opening Tools](#) (1)
- [T5 Torx Screwdriver](#) (1)

Use this guide to replace your iPad 3G's communications board which is responsible for sending/receiving 3G data.



Step 1 - Display Assembly

- The iPad shown in the photos may look slightly different from your iPad, but the procedure is the same.
- Insert a metal spudger between the right edge of the display assembly and the rear panel assembly.
- Rotate the spudger away from you to release the tabs along the top edge of the display.



Step 2

- Insert a second metal spudger between the top edge of the display assembly and the rear panel assembly to keep the tabs from snapping back into place.
- Pry the display assembly away from the rear panel.



Step 3

- Continue prying the display assembly away from the rear panel along the bottom and left edges of the iPad.



Step 4

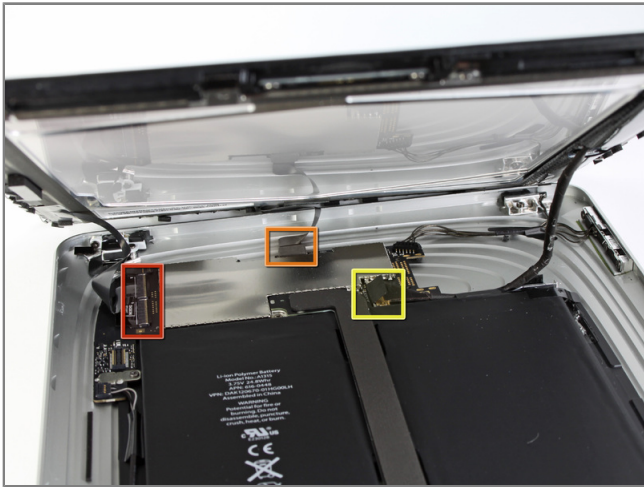
- Lift the display assembly away from the rear panel assembly by its right edge.
- Do not excessively lift the display assembly off the rest of the iPad, as a fragile antenna cable with very little slack still connects the two components.





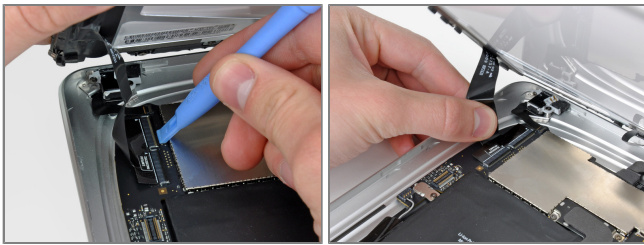
Step 5

- Use the flat end of a spudger to pry the antenna connector closest to the bottom of the iPad up off its socket on the communications board.



Step 6

- In the following steps, you will disconnect the three cables attaching the display assembly to the logic board. The cables are for the following components:
 - Digitizer
 - Ambient Light Sensor
 - Display Data Cable



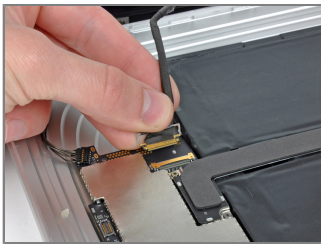
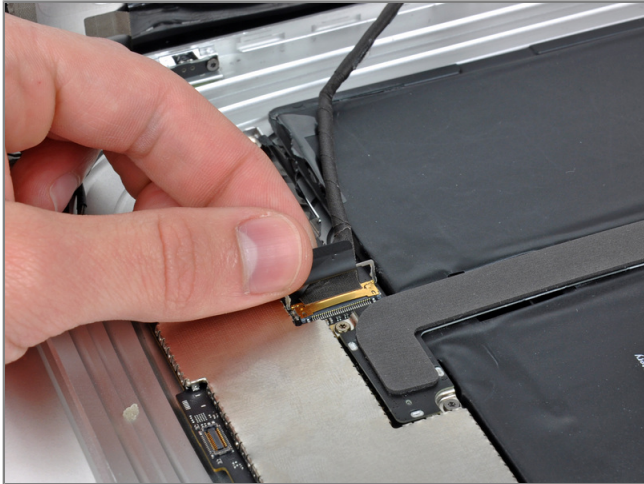
Step 7

- Use the edge of an iPod opening tool to flip up the retaining flaps holding the digitizer ribbon cables in their sockets on the logic board.
- Be sure you are flipping up the retaining flap, **not** the socket itself.
- Pull the digitizer ribbon cables straight out of their sockets.



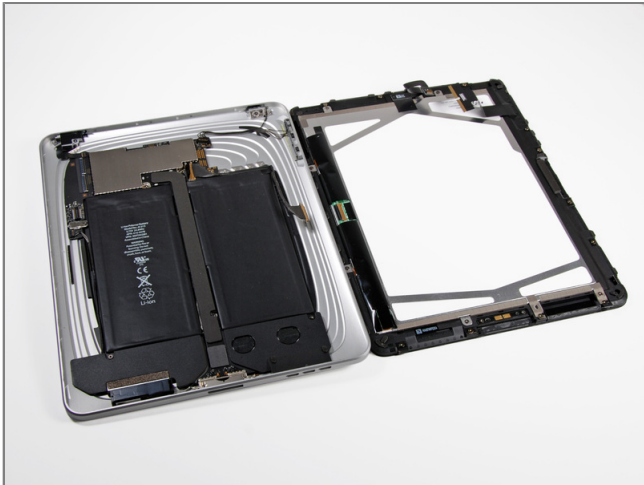
Step 8

- Use an iPod opening tool to remove the ambient light sensor connector from its socket by gently prying upward.



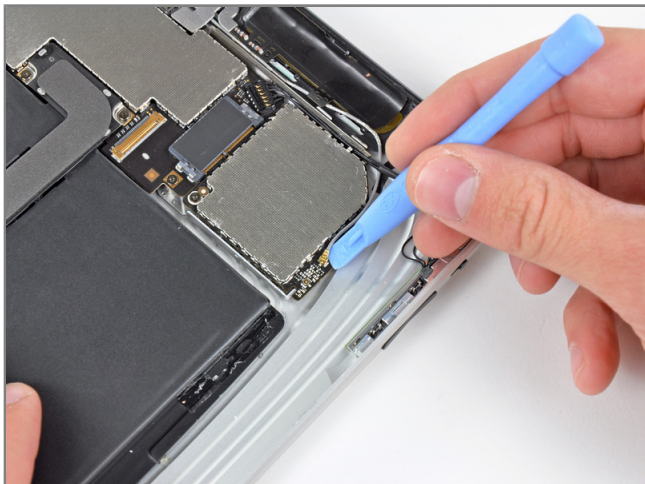
Step 9

- Disconnect the display data cable from the main board by flipping up the metal retainer by its black plastic pull tab.
- Pull the cable connector away from its socket.
- Pull the connector parallel to the face of the logic board.



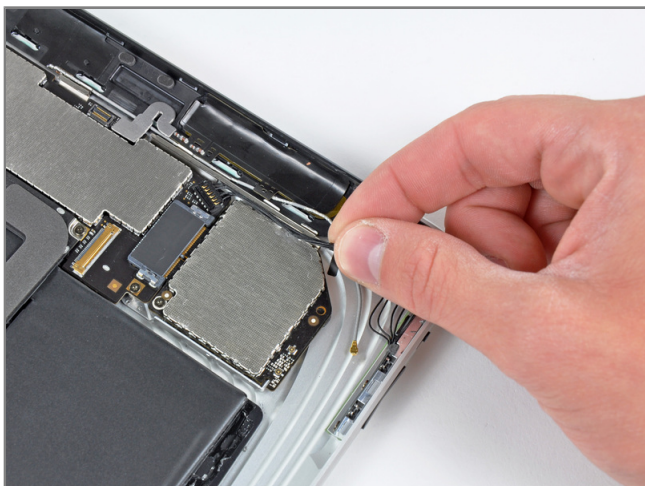
Step 10

- Remove the display assembly from the rear panel assembly.



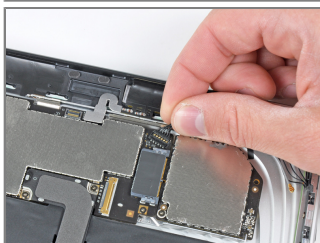
Step 11 - Communications Board

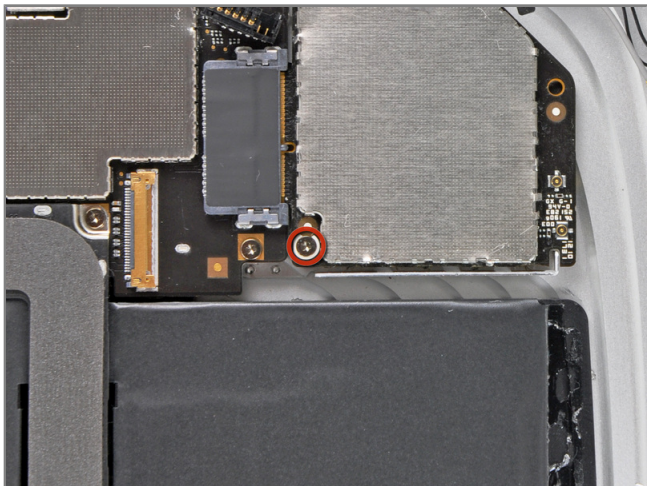
- Use the edge of an iPod opening tool to carefully pry the remaining antenna connector up off the communications board.



Step 12

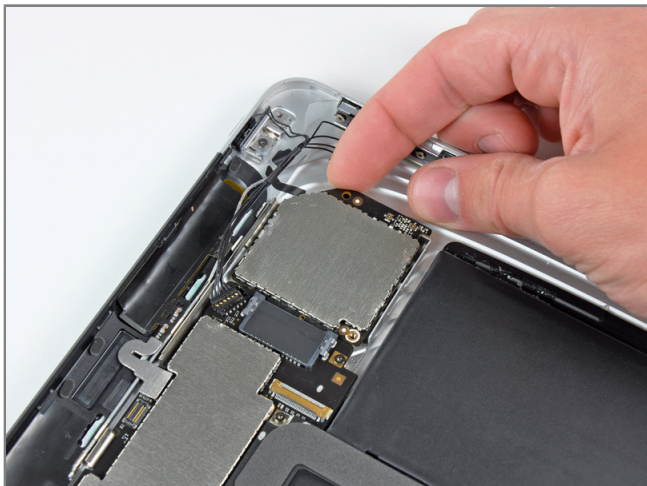
- De-route the control button cable along the top edge of the communications board.
- Pull the communications cable upward to lift its connector up and out of the socket on the logic board.





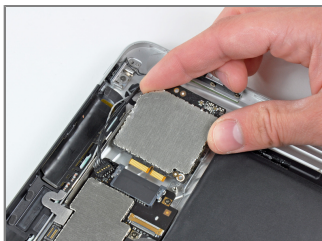
Step 13

- Remove the single T5 Torx screw securing the communications board to the rear case.



Step 14

- If necessary, lift the right edge of the communications board upward to release it from the adhesive pad attached to the rear case.
- Pull the communications board away from its socket on the logic board.



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

This document was last generated on Dec 14, 2010.