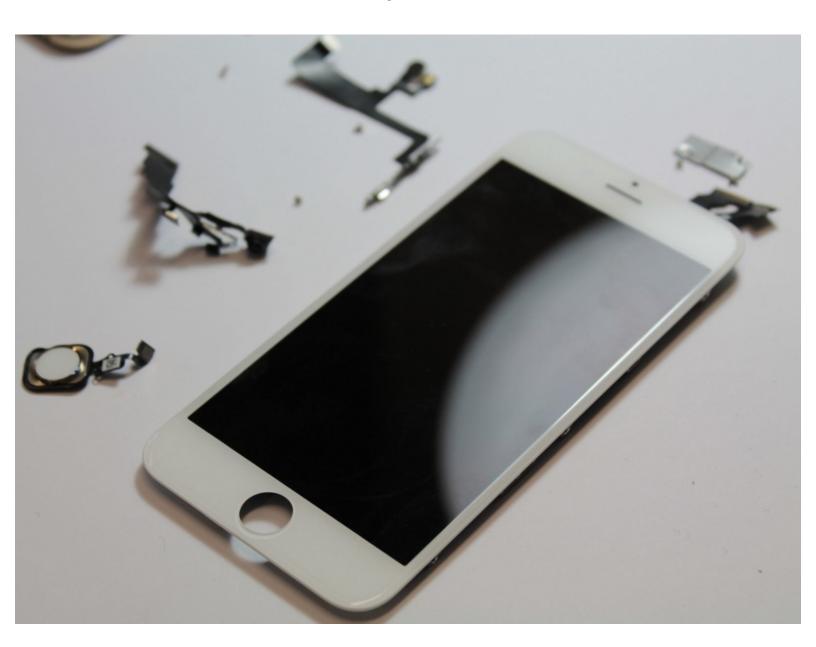


iPhone 6 Teardown

Preliminary cursory teardown of Apples latest iPhone 6.

Written By: Patrick Lee



INTRODUCTION

Our friends at <u>iExperts</u> in Sydney pulled apart an iPhone 6 while we were working on our <u>iPhone 6</u> <u>Plus</u> teardown.

Update: iFixit has conducted a full-blown in-house analysis with more photos and detail.



TOOLS:

- Phillips #000 Screwdriver (1)
- P2 Pentalobe Screwdriver iPhone (1)
- iFixit Opening Tools (1)
- Spudger (1)
- Tweezers (1)
- Heavy-Duty Suction Cups (Pair) (1)

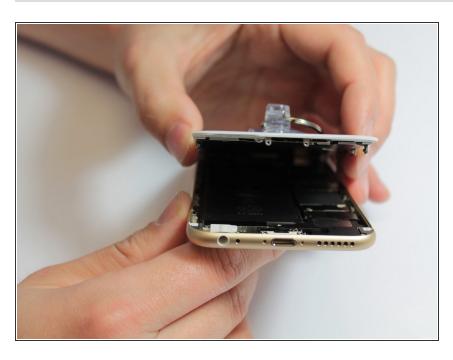
Step 1 — iPhone 6 Teardown







Unboxing the iPhone 6: yup, it's a phone.



- After removing the familiar two
 Pentalobe screws we use a suction
 cup to carefully lift up the screen to
 give us enough space to run a
 plastic tool down the edges to
 release the screen clips
- Unlike the 5s, The 6 Touch ID cable is now routed up the back of the screen, so we don't have to worry about accidentally ripping the touch ID cable.



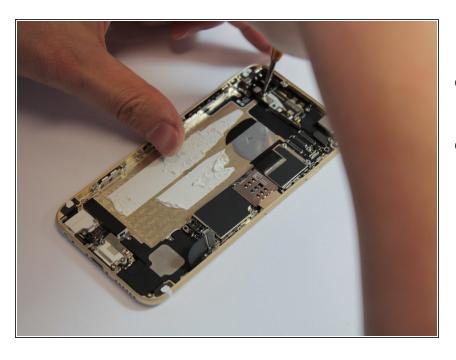


- The screen connectors are covered by a metal plate, similar to the previous models.
- This plate is held by 5 screws this time.
- There are 5 connectors under this plate: LCD/Touch Sensor/Front Camera, Rear Camera and TouchID.





- The battery is very well stuck in. With a bit of heat and a little deformation of the battery, we were able to get it out. (There's probably a pull tab to remove the battery, but we didn't find it.)
- The battery is rated at 3.82V, 6.91Whr.

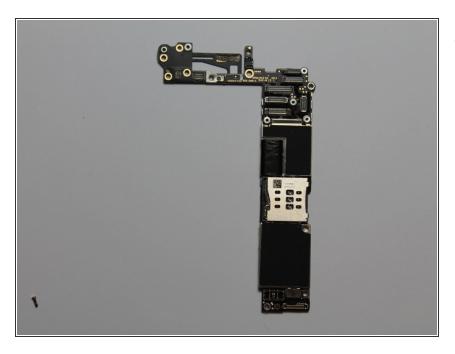


- Removing the logic board requires the removal of many screws.
- Fortunately for DIYers, Apple have placed the chips away from most of the screws so there is less risk of tool slip damage.

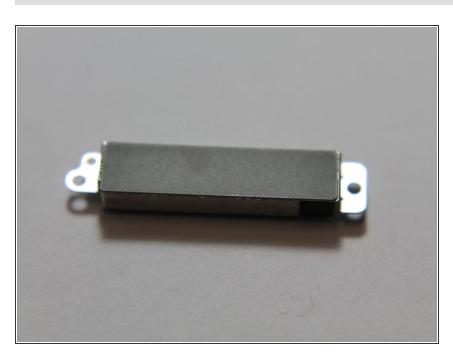


 The iPhone 6 rear camera: not as big as its optically stabilized brother.

Step 7



The iPhone 6 logic board.

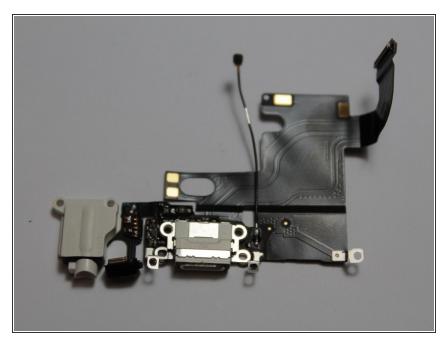


 The vibration motor is now inside a metal case!

Step 9



The loudspeaker.



• The Lightning port.

Step 11



The Touch ID sensor.



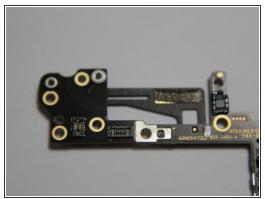
 The front camera and proximity sensor flex cable.

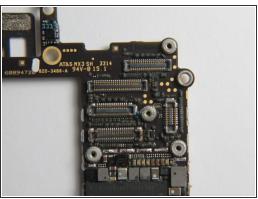






- The iPhone 6 display assembly. It's thinner than the iPhone 5s/5c/5 screen.
- The Touch ID Cable runs from the home switch to the top of the screen, adding a 4th connector at the top.

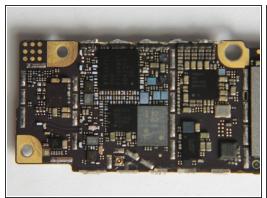


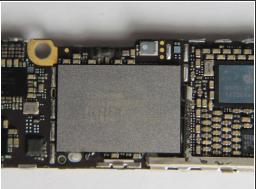


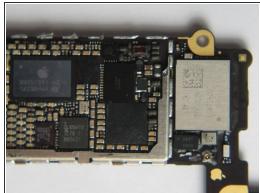


- After the usual painful desoldering of the shielding, we have the logic board in all its naked glory.
- Analysis to follow with iFixit's full teardown.

Step 15



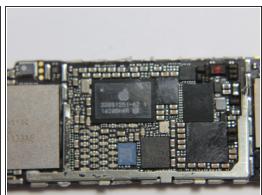




More chip pics!

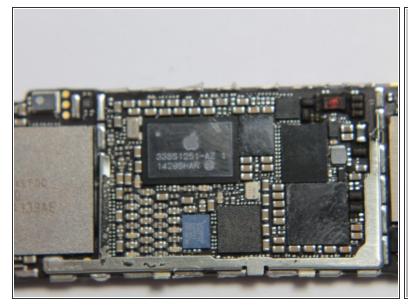


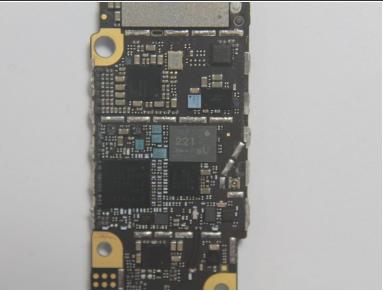




Even more ICs.

Step 17





 And that's all she wrote! We'll be back soon with a complete teardown and analysis from iFixit with higher resolution photos.