



Samsung Galaxy S II Teardown

The innards of the Samsung Galaxy S II.

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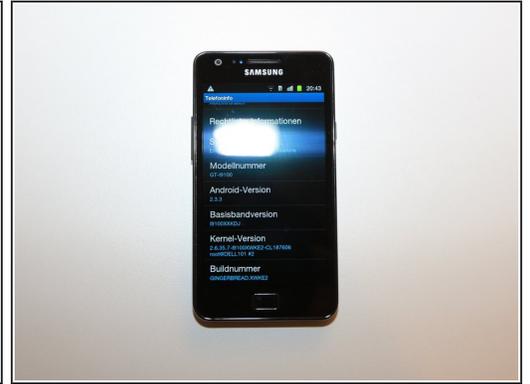
INTRODUCTION

This is an unofficial teardown to iFixit of the great Samsung Galaxy S II, enjoy! ;)

TOOLS:

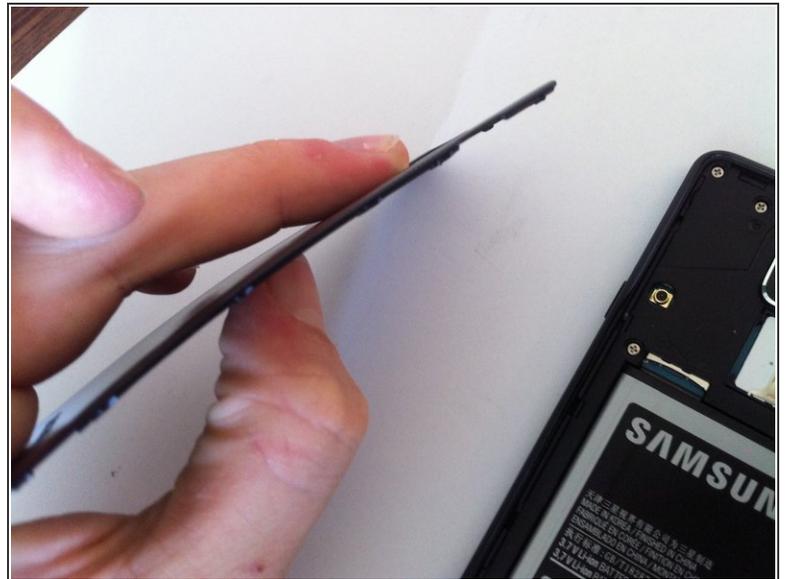
- [Phillips #00 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Samsung Galaxy S II Teardown



- The 4.3-inch super AMOLED Plus display is simply gorgeous!

Step 2



- Look at how slim the phone is! Only 8.49mm thin!
- Back cover is flexible but don't worry it will not break. It also has a nice texture to it.

Step 3



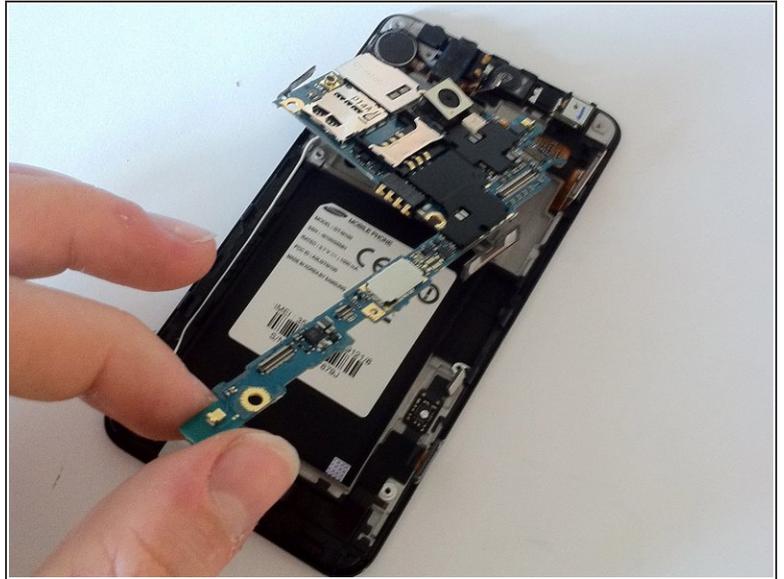
- Look at how compact everything is inside!
- Remove the seven visible screws.
- Then unclip the back panel starting on the left next to the audio jack. Go slowly.

Step 4



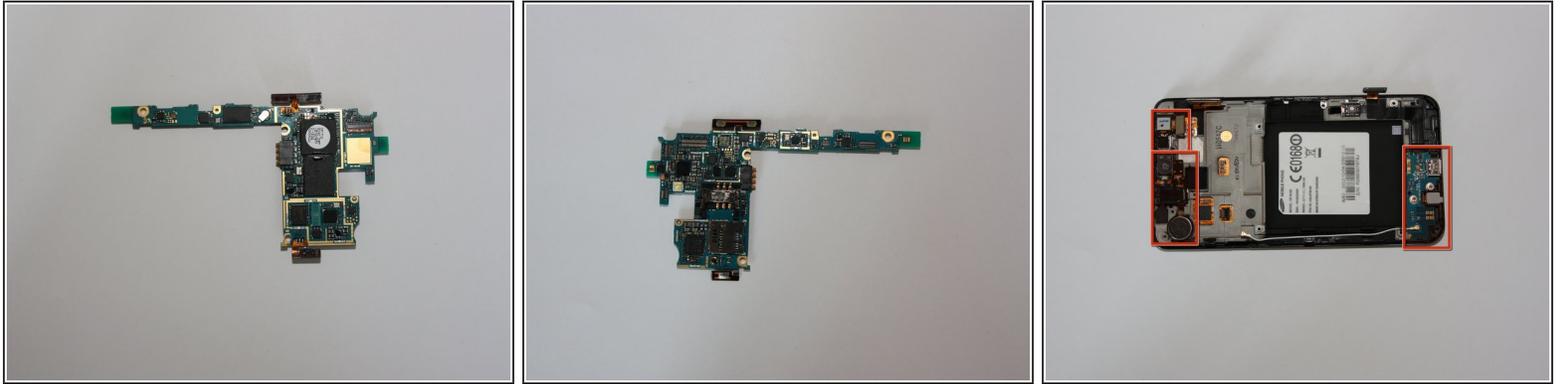
- Removing the back panel gives you an impressive and sophisticated view of the internals.

Step 5



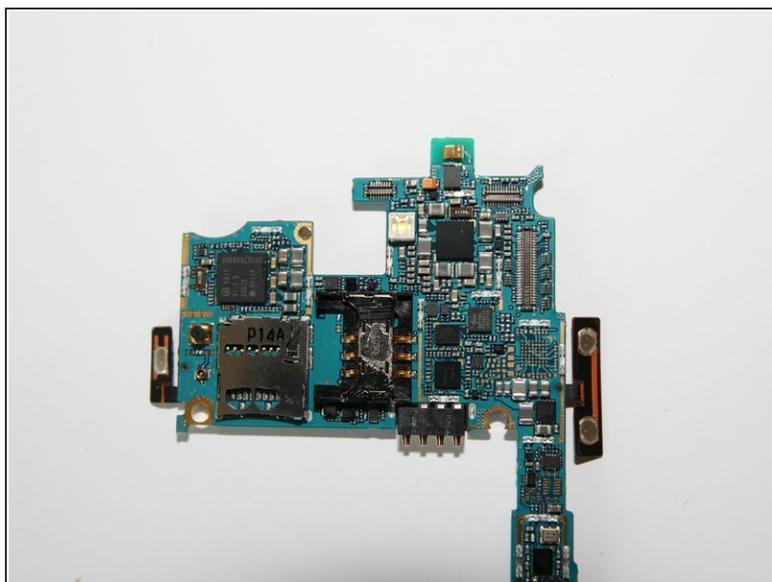
- Removing the motherboard is as simple as it looks !
- Unclip the 5 ribbon connectors and the antenna cable.
- Then remove the 2 small black screws.
- Don't forget to unglue the volume flex and power flex, they are attached to the motherboard. Otherwise the motherboard won't come out easily like it should.

Step 6



- The board with removed EMI shields.
- The front.
- ..and the back.
- The front panel without the logic board.
- The front facing camera part, the cinch-vibrator-1.mic part and the usb connection-2.mic-antenna board.

Step 7



- The camera connector is at the upper left corner in the second picture.
- The power and volume buttons are soldered to the logic board.

⚠ View the picture in HQ if you want to be impressed!

Step 8



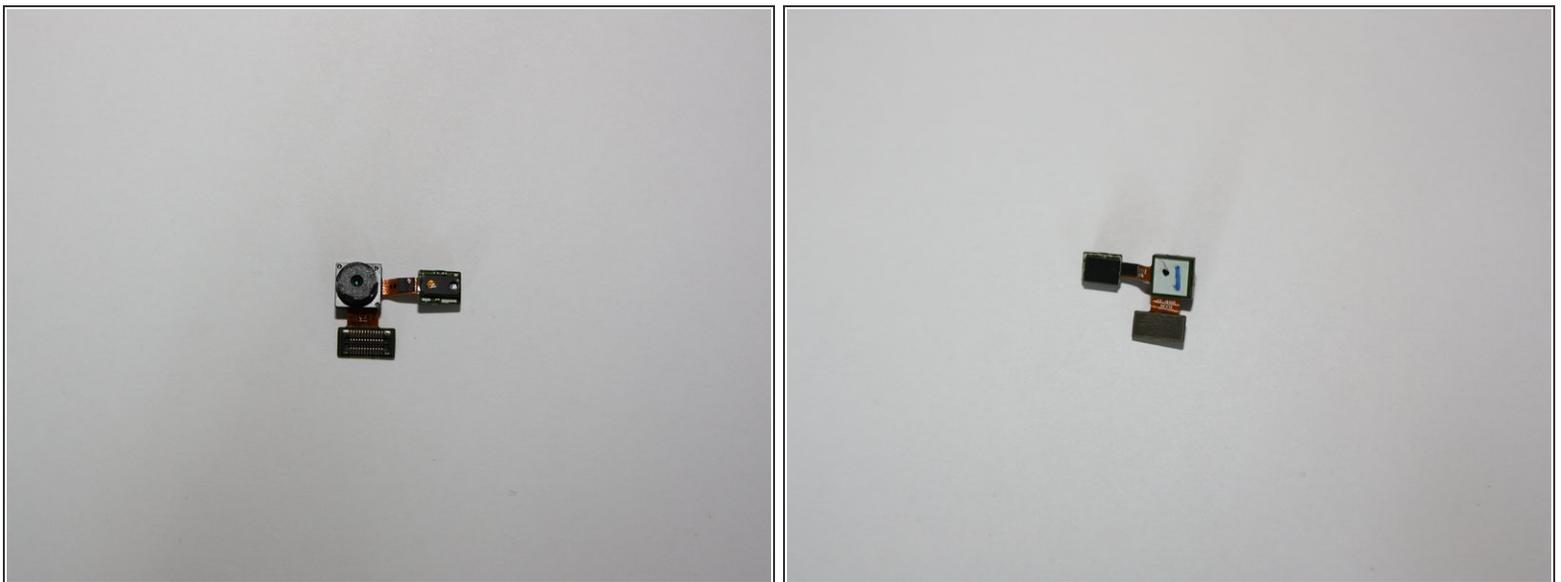
- This EMI shield is nearly a heat sink.
- Should be useful with a 1.2GHz dual core under it!

Step 9



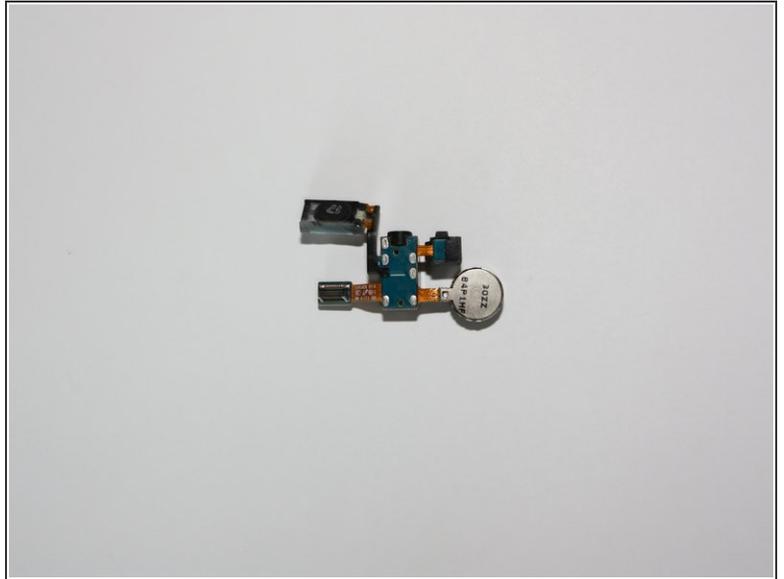
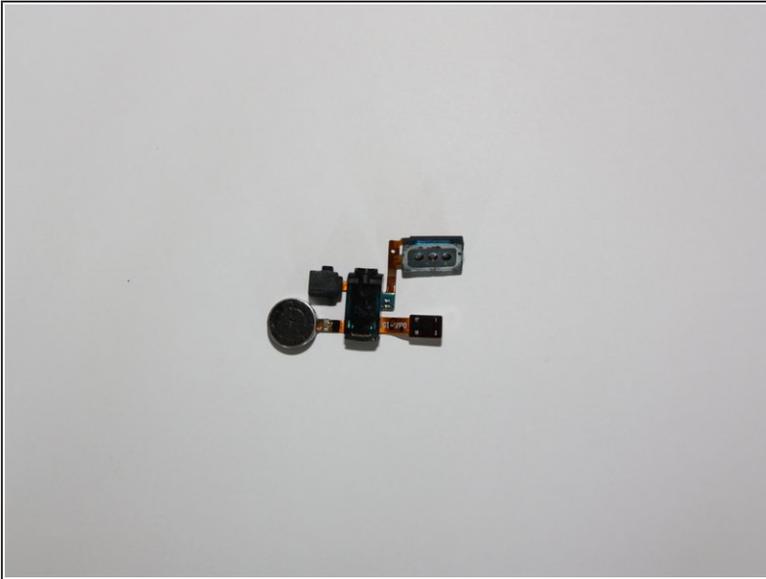
- The (tiny) 8MP camera.
- It's smaller than an iPhone 4 camera.

Step 10



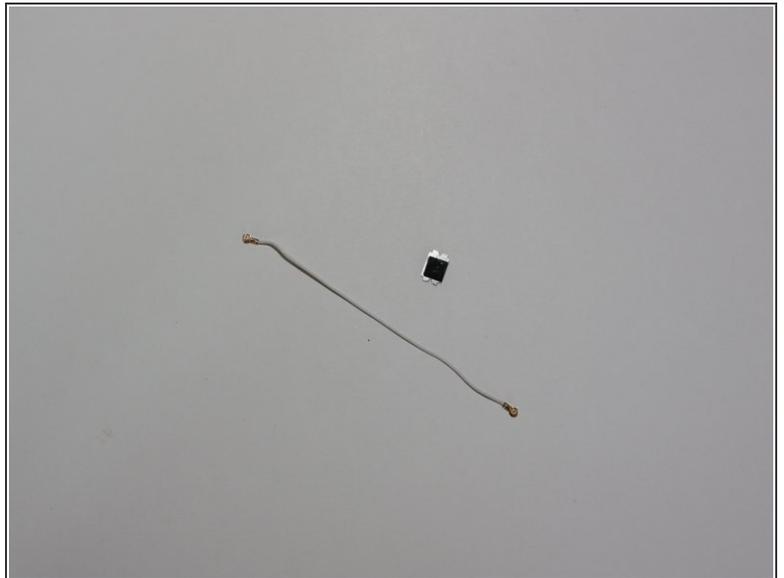
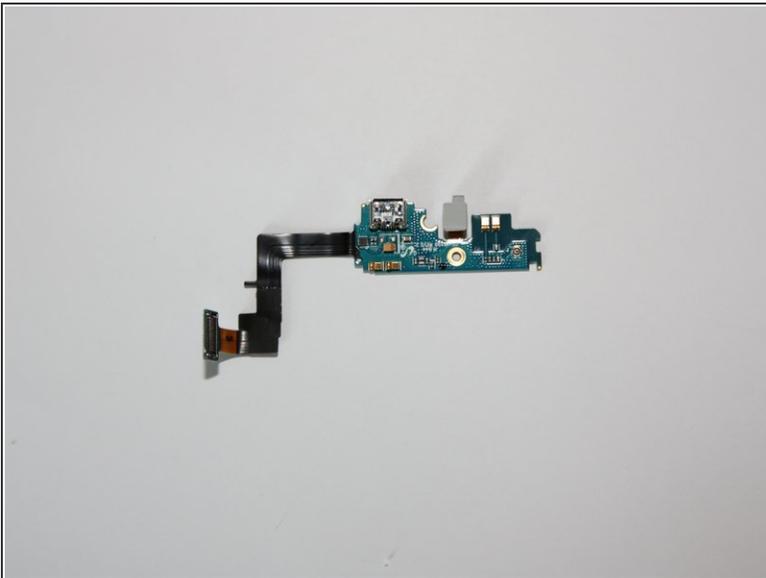
- The front-facing camera and the light sensor are a single part.
- The front-facing camera is 2MP, which is better than the iPhone 4's VGA camera.

Step 11



- The vibrator, first mic (did you know there are two?), cinch plug and the earspeaker.

Step 12



- The USB-connection and 2 x mic board.
- It's stuck with glue to the front panel.
- The (only) antenna cable and a metal shield holding the light sensor in place.

Step 13



- This is it.
- It still works after reassembly!

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