

Samsung Galaxy S5 Home Button Synaptics Fingerprint Sensor

The first fingerprint sensor integrated on Samsung's product based on PCB capacitive sensing technology from Synaptics.

In contrast with the iPhone 5S fingerprint sensor based on silicon capacitive technology, Samsung introduces in its products a fingerprint sensor based on PCB capacitive technology.

The Galaxy S5 home button presents an innovative fingerprint sensor developed by Synaptics, a world leader in capacitive sensing human interface solutions for consumer electronics companies.

Samsung's technological choice for the fingerprint sensor go to the opposite direction than Apple's one. Differences on the capacitive technology, on the manufacturing and the packaging materials, lead to a specific supply chain and a device with smaller footprint and manufacturing cost.

Samsung's fingerprint sensor PCB based technology includes multiple conductive elements which are sequentially excited by short electronic waveform burst. Swiping a finger across the gaps between the conductive elements, a two-dimensional image of the fingerprint based on capacitances is generated.

Located above the home button, the 17.5x5.5 mm sensor is incorporated within a rectangular shaped housing composed of an aluminum ring and a stainless steel base. The sensor is protected by a white plastic cover.

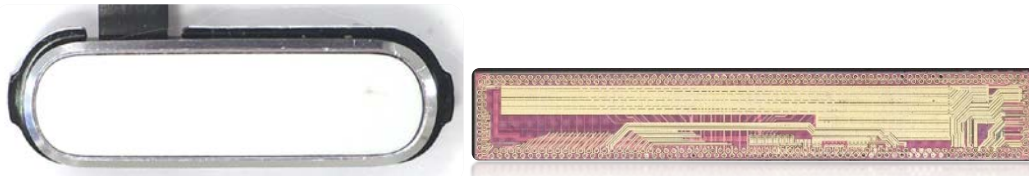


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Samsung's vs Apple's fingerprint sensor

REVERSE COSTING ANALYSIS

REPORT BY 

Capacitive Fingerprint Sensor

90 pages

August 2014

Pdf file

Xls file

PRICE :

Full report: EUR 2,990

+ Apple report: EUR 5,490

COMPLETE TEARDOWN WITH:

- Detailed Photos
- Precise Measurements
- Material Analysis
- Manufacturing Process Flow
- Supply Chain description
- Manufacturing Cost Analysis
- Selling Price Estimation
- Samsung vs Apple fingerprint

ORDER FORM

Please process my order for the following Reverse Costing report(s):

Ref.: SP14178

Samsung Galaxy S5 Home Button Fingerprint Sensor: EUR 2,990*

Galaxy S5 & Apple iPhone5 Fingerprint Sensors: EUR 5,490*

*For price in dollars please use the day's exchange rate

*All reports are delivered electronically in pdf format

*For French customer, add 20 % for VAT

SHIP TO

Name (Mr/Ms/Dr/Pr):

Job Title:

Company:

Address:

City: State:

Postcode/Zip:

Country*:

*VAT ID Number for EU members:

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Email:

Date:

Signature :

PAYMENT

DELIVERY on receipt of payment:

By credit card:

Number: _____ Expiration date: __/__/

Card Verification Value: _____



By bank transfer:

HSBC – CAE- Le Terminal -2 rue du Charron- 44800 St Herblain France
BIC code : CCFRFRPP

In EUR

Bank code : 30056 - Branch code : 00955 - Account : 09550003234
IBAN : FR76 3005 6009 5509 5500 0323 439

In USD

Bank code : 30056 - Branch code : 00955 - Account : 09550003247
IBAN : FR76 3005 6009 5509 5500 0324 797

Return order by:

FAX: +33 (0)253 55 10 59

MAIL: SYSTEM PLUS CONSULTING

21 rue La Nouë Bras de Fer

44200 Nantes – France

Contact:

sales@systemplus.fr - Tel: +33 (0)240 18 09 16

BILLING CONTACT

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Our prices are subject to change.

Please check our new releases and price changes on www.systemplus.fr

The present document is valid 6 months after its publishing date: August 18th, 2014.

ABOUT SYSTEM PLUS CONSULTING

System Plus Consulting specializes in the **cost analysis** of electronics, from **semiconductor devices** to **electronic systems**, and has developed a complete range of services and costing tools to provide **in-depth production cost studies** and to estimate the **objective selling price** of a product.

COSTING SERVICES

- ✓ **On demand Reverse Costing studies** are performed on ICs, ASICs, MEMs, Power Devices, ECUs, electronic boards and full electronic systems.
- ✓ **The catalog of available reports** includes cost analyzes on MEMS, LEDs, Modules and Electronic systems.

All these analyses are performed using in-house developed, proprietary costing tools and their technological databases.

COSTING TOOLS

« Purchaser » tools

- ✓ IC Price+ to estimate the cost of any integrated circuit
- ✓ Power Price+ for any power component or module

- ✓ PCB Price+ for printed circuit boards
- ✓ SYS.Cost for electronic boards and systems

Cost Simulation Tools, process flow based

- ✓ MEMS CoSim+ ✓ Power CoSim+
- ✓ LED CoSim+ ✓ TSV CoSim+ (thru silicon vias)

- ✓ Sapphire CoSim+

Other costing models can be developed according to customer specifications

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System Plus Consulting responsibility will not be involved in non execution or late delivery of one of its duties described in the current terms and conditions if these are the result of a force majeure case. Therefore, the force majeure includes all external event unpredictable and irresistible as defined by the article 1148 of the French Code Civil?

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A non-disclosure agreement can be signed on demand.

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If the dispute cannot be settled out-of-court, the competent Court will be the Tribunal de Commerce de Nantes.