

Bosch Sensortec BMC150

6-Axis MEMS eCompass

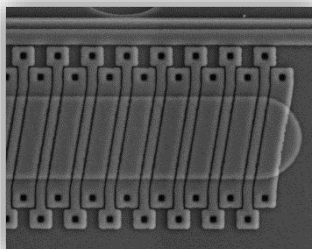
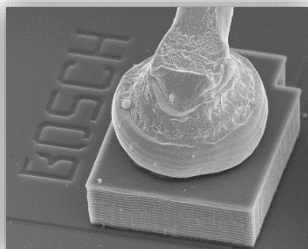
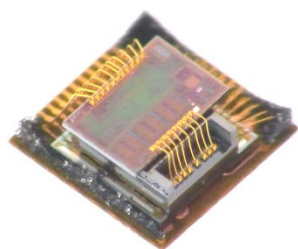
Second Generation Electronic Compass, very low power consumption and footprint of only 2.2x2.2mm²

The BMC150 combines a 12-bit 3-Axis accelerometer and a wide-range 3-Axis geomagnetic sensor in a 2.2x2.2mm LGA package (the smallest footprint at its introduction). All the functionalities are developed and manufactured by Bosch.

Compared to its predecessor BMC050, the BMC150 achieve almost 50% footprint reduction. This reduction has been made possible by the integration of the second generation of Bosch geomagnetic sensor where the 3-Axis are integrated on a single die compared to 3 separates dies for the previous generation.

The magnetic sensor still uses Bosch FlipCore technology for X/Y-Axis sensing and Hall element for Z-Axis sensing. The MEMS accelerometer is also an evolution of the one found in BMC050.

The BMC150 is a very low power (190µA) and high resolution (0.3µT) 6-axis digital compass targeted for consumer mobile applications.



REVERSE COSTING ANALYSIS

REPORT BY 

MEMS 6-Axis eCompass

149 pages

March 2014

Pdf file

Xls file

PRICE :

Full report: EUR 2,990

Technology report: EUR 1,990

COMPLETE TEARDOWN WITH:

- Detailed Photos
- Precise Measurements
- Material Analysis
- Manufacturing Process Flow
- Supply Chain Evaluation
- Manufacturing Cost Analysis
- Selling Price Estimation

TABLE OF CONTENTS

Glossary

Overview/Introduction , Bosch Company Profile

Physical Analysis

- Package
 - ✓ Package Views, Dimensions & X-Ray
 - ✓ Package Opening
 - ✓ Wire bonding Process
 - ✓ Package Cross-Section
- Accelerometer ASIC Die
 - ✓ View, Dimensions & Marking
 - ✓ Process Identification
 - ✓ Cross-Section
- Accelerometer MEMS Die
 - ✓ View, Dimensions & Marking
 - ✓ Bond Pad Opening & Bond Pad
 - ✓ Cap Removed & Cap Details
 - ✓ Sensing Area Details
 - ✓ Cross-Section (Sensor, Cap & Bonding)
 - ✓ Process Characteristics
- Magnetometer Die
 - ✓ View, Dimensions & Marking
 - ✓ Hall sensor and fluxgate sensors
 - ✓ Delayering
 - ✓ Main Blocks Identification
 - ✓ Cross-Section (CMOS & Sensor)

Manufacturing Process Flow

- ASIC Accelero Front-End Process
- MEMS Accelero Process Flow
- Magnetometer Process Flow
- Wafer Fabrication Unit
- Packaging Process Flow
- Package Assembly Unit

Cost Analysis

- Main steps of economic analysis
- Yields Hypotheses
- ASIC Front-End Cost
- ASIC Back-End 0 : Probe Test & Dicing
- ASIC Wafer & Die Cost
- MEMS Front-End Cost
- MEMS Back-End 0 : Probe Test & Dicing
- MEMS Wafer & Die Cost
- Magnetometer CMOS Front-End Cost
- Magnetometer Sensor Cost
- Magnetometer Sensor Cost per process steps
- Magnetometer Back-End 0 : Probe Test & Dicing
- Magnetometer Wafer & Die Cost
- Back-End : Packaging Cost
- Back-End : Final Test Cost
- BMC150 Component Cost

Estimated Price Analysis

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ORDER FORM

Please process my order for "Bosch BMC150 MEMS eCompass" Reverse Costing Analysis:

Ref.: SP14165

Full Reverse Costing report: EUR 2,990*

Technology Analysis** report: EUR 1,990

*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

** Technology Analysis report contains only Physical Analysis & Manufacturing Process Flow

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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: March 06th, 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
- ✓ SYS.Cost
- ✓ PCB Price+ for printed circuit boards
- for electronic boards and systems

Cost Simulation Tools, process flow based

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

Other costing models can be developed according to customer specifications

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Buyer must note that placing an order means an agreement without any restriction with these terms and conditions.

2. PRICES

Prices of the purchased services are those which are in force on the date the order is placed. Prices are in Euros and worked out without taxes. Consequently, the taxes and possible added costs agreed when the order is placed will be charged on these initial prices.

System Plus Consulting may change its prices whenever the company thinks it necessary. However, the company commits itself in invoicing at the prices in force on the date the order is placed.

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The quoted prices already include the rebates and discounts that System Plus Consulting could have granted according to the number of orders placed by the Buyer, or other specific conditions. No discount is granted in case of early payment.

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System Plus Consulting delivered services are to be paid within 30 days end of month by bank transfer except in the case of a particular written agreement.

If the payment does not reach System Plus Consulting on the deadline, the Buyer has to pay System Plus Consulting a penalty for late payment the amount of which is three times the legal interest rate. The legal interest rate is the current one on the delivery date. This penalty is worked out on the unpaid invoice amount, starting from the invoice deadline. This penalty is sent without previous notice.

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The transport costs and risks are fully born by the Buyer. Should the customer wish to ensure the goods against lost or damage on the base of their real value, he must imperatively point it out to System Plus Consulting when the shipment takes place. Without any specific requirement, insurance terms for the return of goods will be the carrier current ones (reimbursement based on good weight instead of the real value).

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