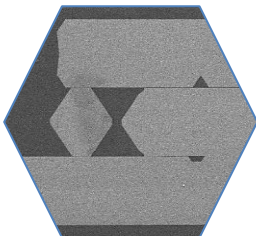


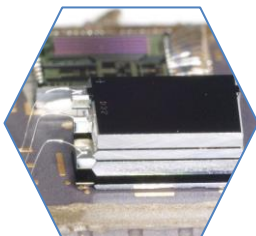
Safran Colibrys MS1010 and MEMSIC MXA2500M High-End Accelerometers

Detailed technology and cost analysis of the high-end single-axis and dual-axis accelerometers integrated in the STIM318 IMU.



STIM318 is the newest IMU proposed by Sensoror. It is a tactical grade, non-GPS aided, 9-axis IMU containing three highly accurate MEMS gyroscopes, three single-axis accelerometers and two dual-axis accelerometers.

A full reverse costing dedicated to the technology and cost analyses of the STIM318 IMU is available in another System Plus Consulting report, namely: "Sensoror STIM318 IMU".



System Plus Consulting provides a full reverse costing study to give insight into technology data, manufacturing cost and selling price of the two high-end accelerometers integrated in the IMU: Safran Colibrys's MS1010 and MEMSIC's MXA2500M.

COMPLETE TEARDOWN WITH

- Analysis of the packaging, ASIC and MEMS dies
- Detailed optical and SEM Photos
- Precise measurements
- Supply chain evaluation
- Manufacturing cost analysis
- Estimated selling price
- Technology comparison between the Safran Colibrys MS1010 and VS1002
- Technology comparison between the MEMSIC MXA2500M and MXR7250VW
- Cost comparisons between Safran Colibrys MS1010 and MEMSIC MXA2500M

Title: Safran Colibrys MS1010 and MEMSIC MXA2500M High-End Accelerometers

Pages: 114

Date: July 2020

Format: PDF & Excel file

Price: EUR 3,990

Reference: SP20568

Safran Colibrys's MS1010 is a single-axis accelerometer and MEMSIC's MXA2500M is a dual-axis accelerometer.

A technology comparison between the Safran Colibrys MS1010 and VS1002 accelerometers on one hand, and MEMSIC's MXA2500M and MXR7250VW accelerometers on the other hand, is included.

Also, a cost comparison between Safran Colibrys's MS1010 and MEMSIC's MXA2500M is included.

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- Safran Colibrys MS1010 vs MEMSIC MXA2500M

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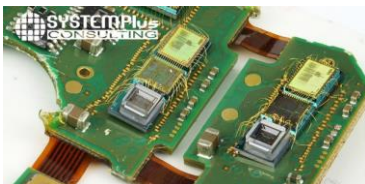


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RELATED REPORTS



Sensoror STIM318 Inertial Measurement Unit (IMU)

Newest IMU with 9-axis detection and gyro bias instability of 0.3°/h from Sensoror.

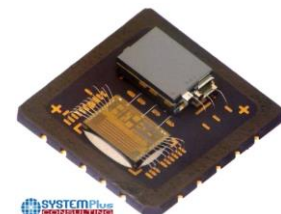
July 2020 - EUR 3,990*



Honeywell HG1120CA50 9-axis MEMS Inertial Sensor

The first high reliability and highly rugged 9-axis IMU for industrial applications from Honeywell.

January 2019 - EUR 3,990*

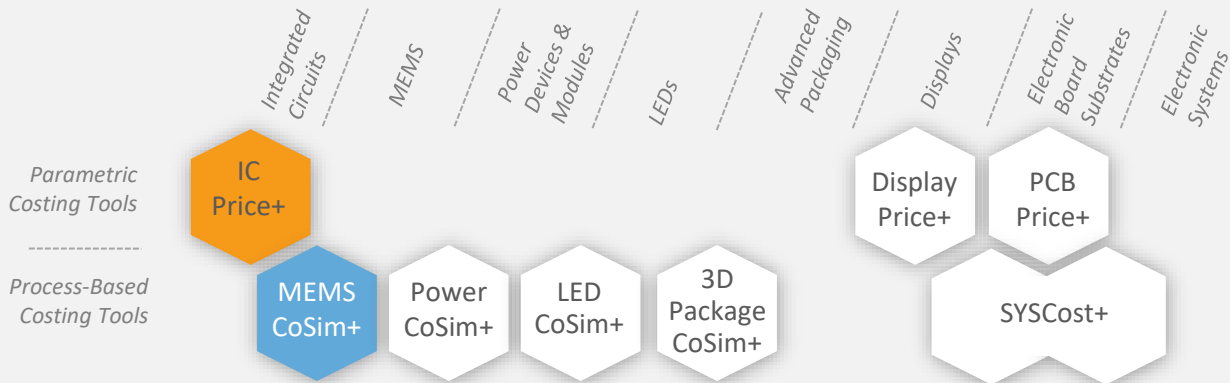


Safran Colibrys VS1000 Series

Single-axis high performance accelerometer with new ASIC design.

January 2017 - EUR 3,490*

COSTING TOOLS



Our analysis is performed with our costing tools IC Price+ and MEMS CoSim+.

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MEMS CoSim+

Cost simulation tool to evaluate the cost of any MEMS process or device.

IC Price+

The tool performs the necessary cost simulation of any Integrated Circuit: ASICs, microcontrollers, memories, DSP, smartpower...

ABOUT SYSTEM PLUS CONSULTING

WHAT IS A REVERSE COSTING®?

Reverse Costing® is the process of disassembling a device (or a system) in order to identify its technology and calculate its manufacturing cost, using in-house models and tools.



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System Plus Consulting is specialized in the cost analysis of electronics from semiconductor devices to electronic systems.

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