

Maxim Integrated MAX21100

6-Axis MEMS IMU

The first MEMS IMU (3-Axis Gyro + 3-Axis Accelero on the same die) from Maxim Integrated (Maxim) in industry thinnest 3x3x0.83mm package

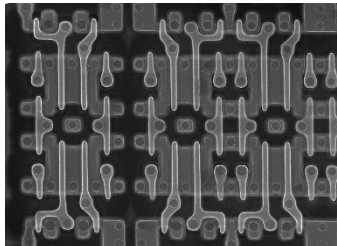
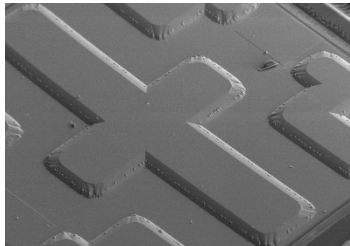
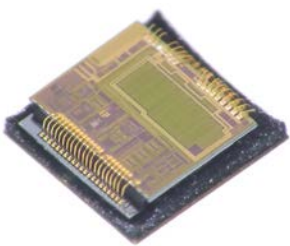
With the same process used for their 3-Axis gyro and acquired from the purchasing of SensorDynamics in 2011, the MAX21100 combines on only one MEMS die a 3-Axis gyroscope and a 3-Axis accelerometer.

The PSM-X2 technology platform used to build the sensor includes a proprietary surface micromachining process and a gold silicon eutectic wafer bonding allowing an hermetic encapsulation and a dual pressure wafer-level capping of the sensors.

Assembled in a LGA 3.0x3.0x0.83mm package, the MAX21100 is a low power consumption (3.45mA) 3-Axis gyroscope plus 3-Axis accelerometer IMU with integrated 9-axis sensor fusion (6+3 DoF) targeted for consumer applications.

The report is including a detailed technical and cost comparison with state of the art 6-Axis MEMS IMUs (3-Axis gyroscope + 3-Axis accelerometer) from STMicroelectronics, Bosch Sensortec and InvenSense. Surprisingly, Maxim is able to provide a very competitive component due to an important silicon area reduction.

Discover all the details in the report!



REVERSE COSTING ANALYSIS
REPORT BY 

MEMS 3-Axis Gyroscope
136 pages
September 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
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ORDER FORM

Please process my order for "Maxim MAX21100 6-Axis MEMS IMU" Reverse Costing Analysis:

Ref.: SP14179

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

The present document is valid 6 months after its publishing date: September 17th, 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.

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- ✓ 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.

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- ✓ 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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