

InvenSense ICS-43432

Digital MEMS Microphone

The high sensitivity last come of InvenSense digital MEMS Microphones portfolio with capacitive technology and I²S protocol interface

Following the acquisition of MEMS Microphone Business Line of Analog Devices for 100M\$ in October 2013, InvenSense releases a high performance digital MEMS Microphone for consumer applications.

The ICS-43432 is a digital microphone equipped with MEMS and amplification ASIC into a single chip. It is designed using CMOS process, it has I²S protocol interface and a high SNR of 65 dBA. It is assembled in a 6-pins LGA 4.0 x 3.0 x 1.0mm package with bottom port.

The MEMS transducer is a condenser microphone with a flexible poly-Si membrane and a rigid reference electrode manufactured on SOI substrate. Compared with state of the art MEMS Microphones, it presents a new design of the diaphragm with octagonal shape and central fixation.

The reverse costing report contains a detailed analysis of the device design and process, its manufacturing cost, as well as a benchmark with competitors' MEMS microphones.

REVERSE COSTING ANALYSIS

REPORT BY 

MEMS Microphone

105 pages

October 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 description
- Manufacturing Cost Analysis
- Selling Price Estimation
- Competitors' comparison

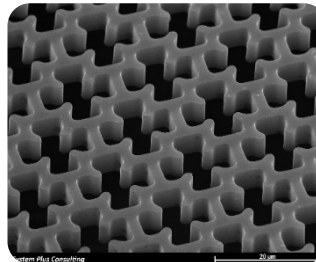
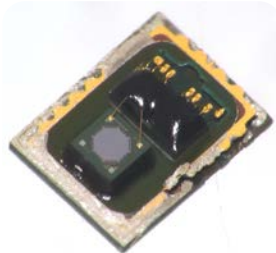


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Competitors' comparison

ORDER FORM

Please process my order for "InvenSense ICS43432 Microphone" Reverse Costing Analysis:

Ref.: SP14189

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: October 22nd, 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.

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« 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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