

Wolfson WM7121 & WM7132

Top & Bottom Port MEMS Microphones

Set of 2 reports highlighting MEMS and Packaging technologies of Wolfson Microphones

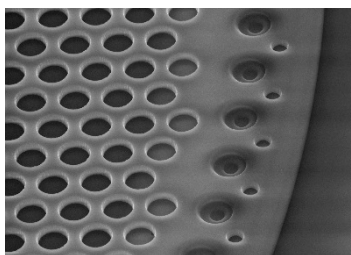
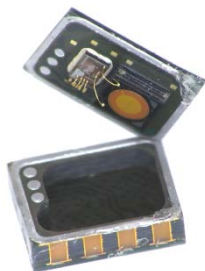
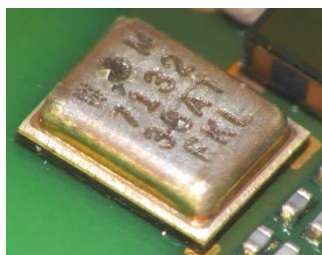
Before its acquisition by Cirrus Logic for \$467M in April 2014, Wolfson Microelectronics released a series of analog and digital MEMS microphones with revenues growing 70% from 2012 to 2013.

A teardown of Motorola Moto X smartphone revealed that from the three microphones integrated two were coming from Wolfson Microelectronics, the remaining one using an Infineon technology. Wolfson's WM7121 and WM7132 are respectively top and bottom port analog MEMS microphones.

Assembled in specific LGA cavity packages, both microphones use a capacitive sensing principle based on Wolfson proprietary MEMS technology.

One of the main interest of Wolfson's MEMS technology is the use of silicon nitride (SiN) instead of polysilicon for the transducer element. According to Wolfson, silicon nitride delivers lower stress and strain coefficients, leading to higher reliability.

Discover all the details in the report!



REVERSE COSTING ANALYSIS

REPORT BY 

MEMS Microphones

2 x 120 pages

August 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

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Please process my order for "Wolfson MEMS Microphones" Reverse Costing Analysis:

Ref.: SP14184

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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The present document is valid 6 months after its publishing date: August 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.

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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.

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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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