

Bosch Sensortec BMX055

9-Axis MEMS IMU

REVERSE COSTING ANALYSIS – DECEMBER 2013

*The first 9-Axis MEMS IMU from Bosch for Consumer Applications
Combines 3-Axis Gyroscope, 3-Axis Accelerometer and 3-Axis Magnetometer*

In the race of motion integration, Bosch Sensortec has released its first 9-Axis IMU for consumer applications.

The BMX055 combines a 12-bit 3-Axis accelerometer, a 16-bit 3-Axis gyroscope and a wide-range 3-Axis geomagnetic sensor in a 4.5x3.0mm LGA package (the smallest footprint at its introduction).

It is the first 9-Axis MEMS IMU where all the functionalities are developed and manufactured by the same player.

The BMX055 integrates 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.

This report provides a complete teardown of the MEMS IMU with:

- Detailed photos
- Material analysis
- Schematic assembly description
- Manufacturing Process Flow
- In-depth manufacturing cost analysis
- Selling price estimation

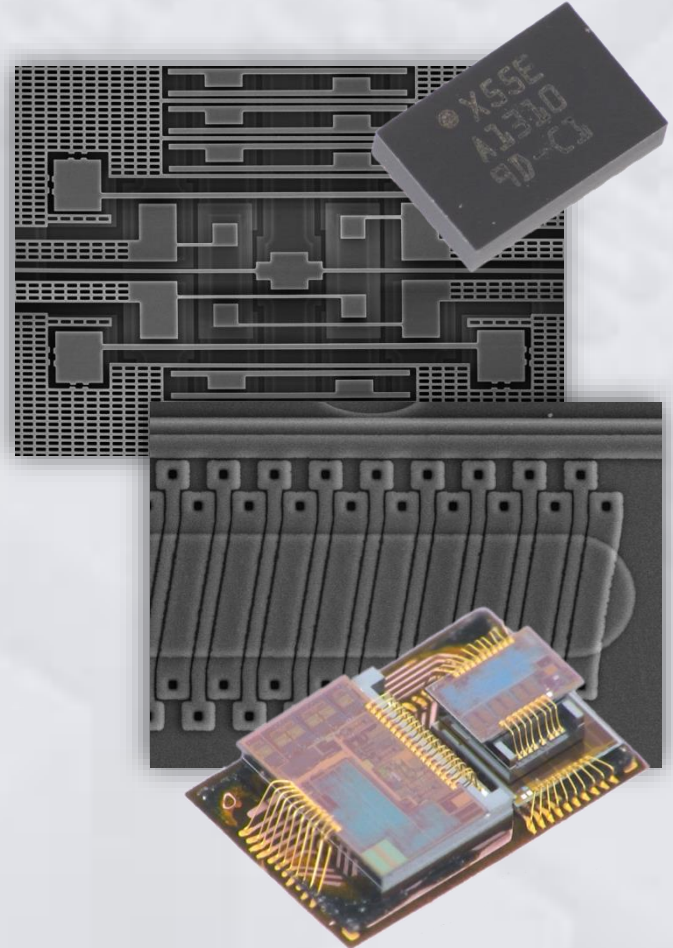


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Estimated Price Analysis

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- for electronic boards and systems

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