STMicroelectronics A3G4250D Automotive 3-Axis MEMS Gyroscope - Reverse Costing Analysis

Description: MEMS are getting broadly adopted in the automotive industry and non-safety applications like in-dash navigation are now requiring low-cost and small footprint components.

The A3G4250D is a low power consumption MEMS gyroscope which is the first 3-axis gyroscope to have met the industry-standard qualification for automotive integrated circuits (AEC-Q100).

STMicroelectronics 3-axis gyroscope for automotive applications measures angular rates up to ±245 dps and has been designed and produced using the same manufacturing process (THELMA) than ST consumer products.

Assembled in a 4.0 x 4.0 x 1.1mm package, it embeds an 8-bit temperature sensor and operates within an extended temperature range from -40 to 85°C.

It is suitable for applications including in-dash navigation, telematics and vehicle tolling systems, motion control with MMI (man-machine interface), appliances and robotics.

Contents:
1. Overview / Introduction
   - Executive Summary
   - Reverse Costing Methodology
2. Company Profile
   - STMicroelectronics
   - A3G4250D Characteristics
3. Physical Analysis
   - Synthesis of the Physical Analysis
   - Physical Analysis Methodology
   - Package
     - Package Views & Dimensions
     - Package Pin Out
     - Package Opening
     - Wire Bonding Process
     - Package Cross-Section
   - ASIC Die 30
     - View, Dimensions & Marking
     - Delayering
     - Main Blocks Identification
     - Cross-Section
     - Process Characteristics
   - MEMS Die 43
     - View, Dimensions & Marking
     - Bond Pad Opening
     - Cap Removed & Cap Details
     - Sensing Area Details
     - Cross-Section (Sensor, Cap & Sealing)
     - Process Characteristics
4. Manufacturing Process Flow
   - Global Overview
   - ASIC Front-End Process
   - ASIC Wafer Fabrication Unit
   - MEMS Process Flow
   - MEMS Wafer Fabrication Unit
5. Cost Analysis
- Main steps of economic analysis
- Yields Hypotheses
- ASIC Front-End Cost
- ASIC Back-End 0: Probe Test & Dicing
- ASIC Wafer & Die Cost– MEMS Front-End Cost
- MEMS Back-End 0: Probe Test & Dicing
- MEMS Front-End Cost per process steps
- MEMS Front-End: Equipment Cost per Family
- MEMS Front-End: Material Cost per Family
- MEMS Wafer & Die Cost– Back-End: Packaging Cost
- Back-End: Packaging Cost per Process Steps
- Back-End: Final Test Cost-

6. Estimated Price Analysis
- Manufacturer Financial Ratios
- Estimated Selling Price

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