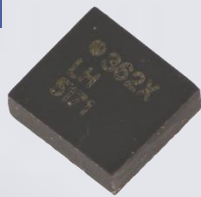


Analog Devices ADXL362

3-Axis Micropower MEMS Accelerometer

Reverse Costing Analysis – December 2012



Physical Analysis of the Devices

Step by Step Reconstruction of the Process Flow

Cost of Manufacturing and Estimation of Selling Price

System Plus Consulting is proud to publish the reverse costing report of the new 3-Axis Accelerometer supplied by Analog Devices.

With a consumption of only $1.8\mu\text{A}$ at a 100Hz output data rate and 270nA in motion sensing wake-up mode, the ADXL362 is the industry's lowest power MEMS accelerometer.

The ADXL362 is targeted for applications that require long battery life expectancy, and where battery replacement can be impractical or dangerous (Hearing aids, Home healthcare devices, Motion enabled power save switches, Wireless sensors, Motion enabled metering devices).

This report provides complete teardown of the 3-Axis Accelerometer with:

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



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- ✓ **The catalog of available reports** includes cost analyzes on MEMS, Electronic components and Electronic systems

All these studies are performed using in-house developed costing tools and their technological databases.

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« Purchaser » tools

- ✓ IC Price+ to estimate the cost of any integrated circuit
- ✓ Power Price+ to estimate the cost of any power component or module
- ✓ PCB Price+ for printed circuit boards
- ✓ SYS.Cost a costing tool for electronic boards and systems

Cost Simulation Tools, process flow based

- ✓ MEMS CoSim+
- ✓ LED CoSim+
- ✓ Power CoSim+
- ✓ TSV CoSim+ (thru silicon vias)
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- ✓ Other costing models can be developed according to customer specification

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