

AKM AK8973S 3-Axis Electronic Compass

Reverse Costing Analysis – September 2010

Physical Analysis of the Device 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 3-Axis Electronic Compass AK8973S supplied by Asahi Kasei Microsystems (AKM).

The AK8973S is a Si-monolithic 3-axis geomagnetic sensor based on Hall Effect technology. Using only one silicon die packaged at the wafer level, the WLP LGA package of the AK8973S achieves a dimension of 2.5x2.5x0.5mm.

The AK8973S 3-Axis Compass is suitable for navigation systems in cell phones and personal navigation devices, and motion input in video game controllers.

This report provides complete teardown of the geomagnetic sensor with:

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

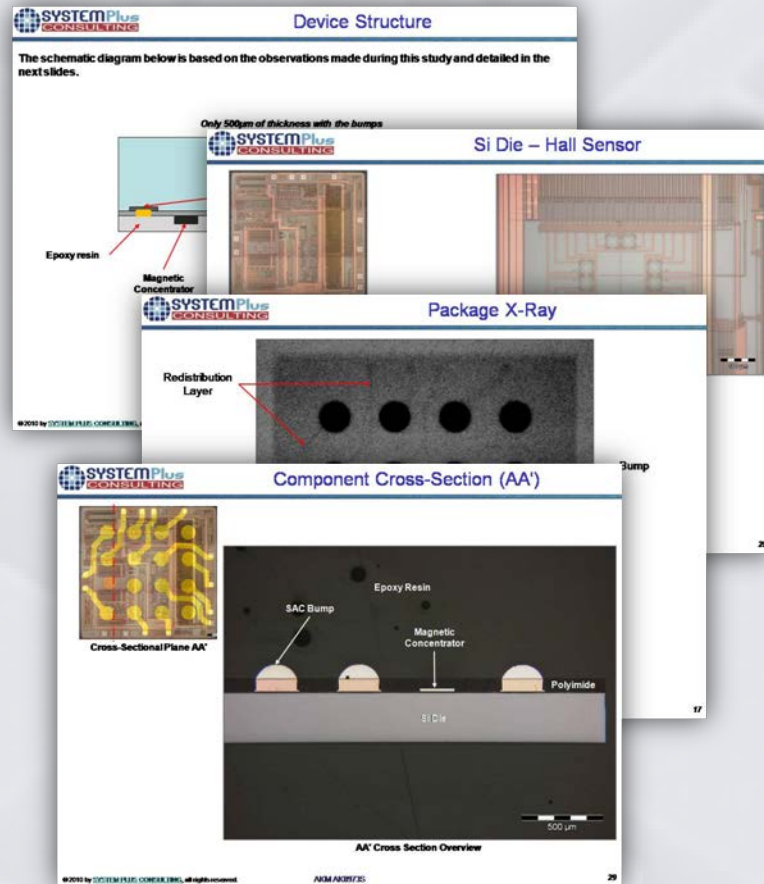


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