

Samsung Galaxy S II Camera Module

Samsung S5K3H2 8Mpixel 1.4µm BSI CIS

Reverse Costing Analysis



Physical Analysis of the Camera and the CMOS Image Sensor

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 Samsung Galaxy SII Camera Module.

This camera module integrates a 1.4µm pixel CMOS Image Sensor (CIS) ref. S5K3H2Y from Samsung. The CIS die is manufactured using a CMOS architecture with a 90nm process.

The CIS uses a Backside Illumination (BSI) architecture.

The module integrates a Voice Coil Motor (VCM) auto-focus.

This report provides complete teardown of the camera module with:

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

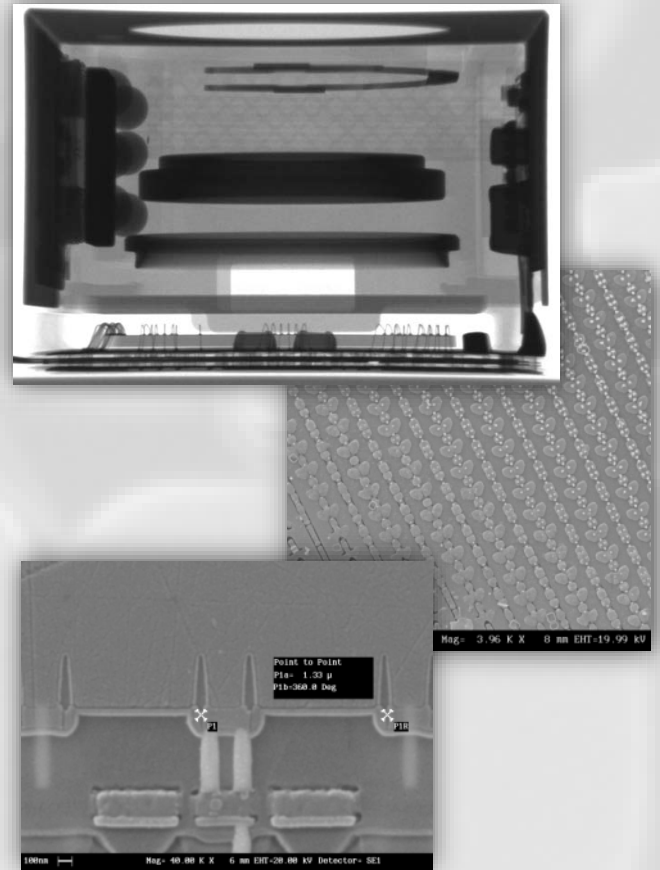


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