InvenSense ICS-43432 Microphone - Reverse Costing Analysis

Description:
Following the acquisition of MEMS Microphone Business Line of Analog Devices for 100M$ in October 2013, InvenSense releases its last high performances digital MEMS Microphone based on flexible membrane and capacitive common sensing principle.

The ICS-43432 is a digital microphone equipped with MEMS and amplification ASIC into a single chip. It is designed by CMOS process, it has I²S protocol interface and high SNR of 65dBA.

The MEMS transducer is a condenser microphone with a flexible poly-Si membrane and a rigid reference electrode manufactured on SOI substrate. Compared with state of the art MEMS Microphones, it presents a new design of the diaphragm with octagonal shape and central fixation.

Assembled in a 6-pins LGA4.0x3.0x1.0mm package, the ICS-43432 is an high performance digital output microphone with bottom port targeted for consumers applications.

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