



Samsung Adopts Silicon Laboratories Aero Ite EDGE Transceiver

December 18, 2006 11:00 AM EST

AUSTIN, Texas--(BUSINESS WIRE)--Dec. 18, 2006--Silicon Laboratories Inc. (Nasdaq:SLAB), a leader in high-performance, analog-intensive, mixed-signal ICs, today announced Samsung has selected the Aero® Ite EDGE transceiver for multiple handset platforms. The Aero Ite transceiver is the industry's easiest-to-use, highest performance RF transceiver for GSM/GPRS/EDGE handsets, smart phones and data modems. Based on Silicon Laboratories' proven Aero transceiver architecture, the Aero Ite transceiver offers a high level of integration, small footprint and industry-leading performance to enable lower total system costs for handset makers.

To simplify manufacturing for handset makers, the Aero Ite transceiver employs a unique dual-transmitter architecture for EDGE that eliminates the transmit SAW from conventional linear architectures without the calibration complexity of existing polar radios. The Aero Ite transceiver also includes the highly-integrated digitally-controlled crystal oscillator (DCXO) on chip to minimize the radio bill-of-materials. Unlike competing polar architectures, which require custom components, the Aero Ite transceiver architecture is compatible with power amplifiers and basebands from multiple leading vendors in the market. In addition to small size, the Aero Ite transceiver's proven digital receiver technology also delivers the highest receive sensitivity.

The Aero Ite transceiver is the fourth generation of Silicon Laboratories' proven Aero transceiver family which has shipped in millions of handsets worldwide. The Aero Ite is designed in a standard 0.13-micron CMOS process and available in a tiny 5 x 6 mm package with single-ended transmit outputs to provide an entire quad-band GSM/GPRS/EDGE radio with only 14 components.

"Driving down the total system cost for handsets, while maintaining high performance, is a key factor for manufacturers like Samsung," said Dan Rabinovitsj, vice president at Silicon Laboratories. "The Aero Ite transceiver offers industry-leading receive and transmit performance in the smallest form-factor for EDGE handsets. Samsung will benefit from improved yields and simplified production due to the automatic integrated calibration techniques used in the Aero Ite transceiver."

About Silicon Laboratories Inc.

Silicon Laboratories Inc. is a leading designer of high-performance, analog-intensive, mixed-signal integrated circuits (ICs) for a broad range of applications. Silicon Laboratories' diverse portfolio of highly integrated, patented solutions is developed by a world-class engineering team with decades of cumulative expertise in cutting-edge mixed-signal design. The company has design, engineering, marketing, sales and applications offices throughout North America, Europe and Asia. For more information about Silicon Laboratories please visit www.silabs.com.

Cautionary Language

This press release may contain forward-looking statements based on Silicon Laboratories' current expectations. These forward-looking statements involve risks and uncertainties. A number of important factors could cause actual results to differ materially from those in the forward-looking statements. For a discussion of factors that could impact Silicon Laboratories' financial results and cause actual results to differ materially from those in the forward-looking statements, please refer to Silicon Laboratories' filings with the SEC. Silicon Laboratories disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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