Silicon Laboratories Doubles Memory on Small Form Factor MCUs

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BOSTON--(BUSINESS WIRE)--Sept. 17, 2007--Silicon Laboratories Inc. (Nasdaq:SLAB), a leader in high-performance, analog-intensive, mixed-signal ICs, today announced at the Embedded Systems Conference in Boston the expansion of its best-in-class small form factor family to include the C8051F336 family of highly-integrated 8-bit MCUs. Pin-for-pin compatible with Silicon Laboratories C8051F330 family of devices, the F336 doubles the Flash code space to 16 kB. Additional memory combined with high-performance peripherals and four-corner operation enables system designers to easily upgrade their products and add features in software while leveraging the cost, reliability and design benefits of Silicon Labs' mixed-signal MCUs.

Ideal for applications that require parameter sampling, information processing and communications functions within an embedded system, the F336 offers the highest functional density in a small form factor. A pipelined, single-cycle 8051 core delivers up to 25 MIPS of CPU bandwidth. High-performance analog features are integrated on-chip, including a highly-linear SAR ADC and programmable IDAC for analog measurement and control. Packaged in a tiny 4x4 mm quad flat no-lead (QFN) package, system designers are also easily able to work within space and cost constraints.

All of Silicon Laboratories' small form factor MCUs provide four-corner operation, which means they do not require special operating conditions to achieve the optimal datasheet specifications. The CPU is designed to operate at 25 MHz over the entire allowed operating temperature and power supply voltage ranges. ADC speed and accuracy are also guaranteed over the entire allowed temperature and voltage supply ranges with the CPU operating at full speed. The onboard precision oscillator is designed and calibrated to two percent for worst-case temperature and supply voltage.

Pin-for-pin compatibility with the F330 family makes the F336 a straightforward upgrade in existing designs. For new designs, the F336 offers a full-featured development kit containing all hardware and software required to develop an embedded system.

"Our customers are under pressure to quickly design products that provide more features and improved reliability while reducing cost," said Derrell Coker, vice president of Silicon Laboratories. "Our small form factor MCUs offer a cost-effective, simple-to-design and feature-rich solution that provides a migration path for customers to increase features or further reduce cost."

Pricing and Availability

The C8051F336 Small Form Factor MCU family is available now with pricing beginning at $1.77 each in quantities of 10K units.

Silicon Laboratories Inc.

Silicon Laboratories is an industry leader in the innovation of high-performance, analog-intensive, mixed-signal ICs. Developed by a world-class engineering team with unsurpassed expertise in mixed-signal design, Silicon Labs' diverse portfolio of highly-integrated, easy-to-use products offers customers significant advantages in performance, size and power consumption. These patented solutions serve a broad set of markets and applications including consumer, communications, computing, industrial and automotive.

Headquartered in Austin, TX, Silicon Labs is a global enterprise with operations, sales and design activities worldwide. The company is committed to contributing to our customers' success by recruiting the highest quality talent to create industry-changing innovations. For more information about Silicon Labs, 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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