

Silicon Laboratories Expands Family of Small Form Factor MCUS with EPROM

-- C8051T630 Family Provides Increased Design Flexibility --

AUSTIN, Texas--(BUSINESS WIRE)--March 19, 2008--Silicon Laboratories Inc. (Nasdaq:SLAB), a leader in high-performance, analog-intensive, mixed-signal ICs, today announced the expansion of its best-in-class small form factor microcontrollers (MCUs) with the C8051T630 family of 8-bit MCUs. Pin-for-pin compatible with Silicon Labs' C8051F330 family, the T630 devices are low-cost, feature-rich, EPROM-based MCUs that give customers the ability to easily interchange the two MCU families for a given product platform. This makes the new MCUs ideal for consumer and industrial applications that are under increasing cost pressure but still demand comprehensive product features such as toys, camera modules, cell phone accessories, portable devices, home appliances and motor controllers.

The T630 family is based on a patented, pipelined, single-cycle 8051 core that delivers up to 25 MIPS of CPU bandwidth while providing high functional density per square millimeter. The MCU integrates a 10-bit, 500 ksps analog-to-digital converter (ADC) with an on-chip voltage reference that can perform faster and more accurate measurements than found in most small form factor MCUs. The T630 also offers a true analog output with its 10-bit digital-to-analog converter (DAC) that can be used for sensor excitation, fast-responsive control or high-end user output. Additional on-chip features include a voltage regulator and precision internal oscillator ultimately reducing the number of external components and reducing the size and cost of the end-product.

Systems using the T630 family can be designed and prototyped using the F330 family Flash memory equivalent and then switched to T630 without any hardware changes. A full-featured development kit is available containing all the hardware and software required to develop an embedded system using the T630 including a socket to program EPROM OTP memory.

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 25MHz over the entire allowed operating temperature and power supply voltage ranges. ADC speed and accuracy is also guaranteed over the entire allowed temperature and voltage supply range with the CPU operating at full speed. The on-board precision oscillator is designed and calibrated to two percent for worst case temperature and supply voltage so the accuracy always meets the minimum specification.

Pricing and Availability

The C8051T630 Small Form Factor MCU family is available now with pricing beginning at \$0.62 in quantities of 10K and can be purchased at www.silabs.com/mcu.

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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