



SILICON LABS

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## Silicon Laboratories Expands Family of High-Performance MCUs with Lower Cost Options

--The C8051T610 Offers Customers Increased Design Flexibility--

AUSTIN, Texas--(BUSINESS WIRE)--Dec. 3, 2007--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 C8051T610 family of low cost 8-bit MCUs. Pin-for-pin compatible with Silicon Laboratories' C8051F310 family, the T610 offers customers a cost-effective alternative in the same small footprint. The C8051T610 family is ideal for consumer and industrial applications that are under increasing cost pressure, including toys, camera modules, cell phone accessories, portable devices, home appliances and motor controllers.

The T610 features byte-programmable EPROM that can be initially programmed while still leaving room for programming memory at a later time, making the T610's EPROM more flexible than traditional one-time programmable memory. The T610 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 with on-chip high-performance features such as a highly accurate ADC for analog measurement, voltage regulator and precision internal oscillator ultimately reducing the number of external components and reducing the size and cost of the end-product.

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.

Systems using the T610 family can be designed and prototyped using the F310 family Flash memory equivalent and then switched to T610 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 T610 including a socket to program EPROM memory.

"The C8051T610 product family adds to Silicon Laboratories' portfolio of more than 70 high performance small form factor MCUs, giving customers the broadest range of options for their space-constrained applications," said Derrell Coker, vice president of Silicon Laboratories. "Pin compatibility with our other popular devices allows engineers to migrate between different features and capabilities when upgrading performance or reducing system cost."

### Pricing and Availability

The C8051T610 Small Form Factor MCU family is available now with pricing beginning at \$1.09 in quantities of 10K and can be purchased at [www.silabs.com/mcu](http://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](http://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.

Note to editors: C8051F31x product family, Small Form Factor MCUs, Silicon Laboratories, Silicon Labs, the "S" symbol, the Silicon Laboratories logo, and the Silicon Labs logo are trademarks of Silicon Laboratories Inc. All other product names noted herein may be trademarks of their respective holders.

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