Silicon Laboratories Announces High Performance MCU in Only 2x2 mm2

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The C8051T606 Reduces BOM, Increases Design Efficiency and Flexibility

AUSTIN, Texas--(BUSINESS WIRE)--May. 26, 2009-- 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 C8051T606 low cost 8-bit mixed-signal MCU. The world's smallest MCU, the C8051T606 provides a high degree of functional density for programmable embedded systems in a tiny 2x2 mm^2 footprint. The high-performance CPU enables greater design flexibility, and the integration of a voltage monitor and precision oscillator make the T606 ideal for space-constrained applications such as portable consumer products and accessories, gateways, and LED lighting.

The T606 offers higher levels of performance and integrated on-chip hardware peripherals giving customers design flexibility while reducing system complexity and cost. For example, the hardware implementation of I^2C and UART on-chip leaves valuable code space for customer application code unlike competing solutions that require a software implementation of these features, wasting code space and CPU MIPs. An integrated 24.5 MHz precision internal oscillator and flexible UART baud rate generator allow UART communications over the full temperature and supply voltage range without the addition of a crystal. This saves cost, board space, and increases reliability.

Additionally, with a 25 MHz CPU, the T606 offers the highest level of processing power in its class, enabling real-time control, high-speed serial communication, fast interrupt servicing, and real time conversion between two different communications ports. The CPU combined with the programmable counter array (PCA) also allows a customer to implement proprietary and custom interface protocols without requiring an ASIC.

The T606's small footprint does not limit a customer's design flexibility; in fact, the high level of integrated functionality enables customers to also do the following:

- Implement UART-I^2C bridges without relying on slower and less reliable software implementations.
- Perform brightness control, color mixing and thermal management required for LED lighting.
- Efficiently implement a system supervisor solution in applications that need warning of low power supply to safely shutdown or switch to battery backup. The T606's comparator has the unique capability to select multiple inputs with a software controlled multiplexer enabling it to monitor more than one voltage. The on-chip voltage supply monitor ensures the MCU is operating with sufficient supply voltage without the addition of an off-chip supervisor reducing the cost and footprint of the solution.

"Silicon Labs offers small footprint MCU solutions that don't compromise on important features and performance, providing customers tangible benefits in the form of system cost savings, reduced complexity and improved design flexibility," said Mark Thompson, vice president of Silicon Laboratories. "The T606 is the industry's smallest 8-bit MCU, packing a powerful mixed signal feature set into a very small footprint."

Pricing and Availability

The C8051T606 Small Form Factor MCU family is available now with pricing beginning at $0.50 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.

Note to editors: C8051T606 product family, Small Form Factor MCUs, Silicon Laboratories, Silicon Labs, the “S” symbol 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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