

New Product Announcement

Silicon Labs EFM8 8-bit Microcontroller Family in Stock at Mouser

March 26, 2015 – [Mouser Electronics](http://www.mouser.com), Inc. is now stocking the [EFM8 8-bit Mixed Signal Microcontrollers](#) from [Silicon Labs](http://www.siliconlabs.com). The EFM8 microcontroller family includes three product lines of low power highly integrated, peripheral-rich microcontrollers optimized for price/performance, capacitive touch control, and USB connectivity. The EFM8 brings power efficiency, performance and high integration to a wide range of 8-bit applications including home and building automation, wearables, consumer electronics, toys, motor control and industrial IoT.

The [Silicon Labs EFM8 Mixed Signal Microcontrollers](#), available from Mouser Electronics, feature a high-speed pipelined ultra-low power 8051 core with precision analog, enhanced communications, and integrated oscillators in small packages. The EFM8 Bee family includes three product lines, each optimized for specific developer needs and applications.

The 50MHz EFM8BB Busy Bee microcontrollers with 2-16 KBytes of flash provide performance, efficiency and value for cost-sensitive applications. These microcontrollers support high-performance peripherals that include a 12-bit analog-to-digital converter (ADC). The EFM8BB are ideal for [motor control](#) applications, [power supplies](#), battery chargers, and [sensor controllers](#).

The 25MHz EFM8SB Sleepy Bee microcontrollers offer 2-64 KBytes of flash and a 50nA sleep mode with full memory retention and a 2µs wake-up time. The EFM8SB integrates a capacitive sense [touch controller](#) with a 1µA wake-on-touch capability, eliminating the need for on/off switches in some products. These [power-saving](#) microcontrollers are ideal for touch-based, battery-powered [Internet of Things \(IoT\)](#) and [industrial applications](#) that require long battery lifetimes and energy-efficient human interfaces.

The 48MHz EFM8UB Universal Bee microcontrollers offer USB connectivity with 8-64 KBytes of flash memory. The EFM8UB low-energy USB microcontrollers can reduce USB power consumption by up to 90 percent. An on-chip battery charger detection module reduces [Bill of Materials BOM](#) and system costs. High peripheral integration in small package sizes reduces the complexity of adding USB connectivity to personal medical devices, wearables, communication bridges, toys, remote controls and thermostats.

The [EFM8 Development Kits](#), also available from Mouser Electronics, provide complete evaluation and evaluation platforms for EFM8 microcontroller projects. These starter kits and evaluation boards contain all hardware and software needed to begin developing with an EFM8 microcontroller.

To learn more, visit: <http://www.mouser.com/new/Silicon-Laboratories/silabs-efm8-mcus/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 20 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 400,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

About Silicon Labs

Silicon Laboratories Inc. is a leading global manufacturer of integrated-circuit (IC) products that combine world-class analog with high-speed digital and FLASH memory in a single, powerful chip. The combination of mixed-signal integration and in-system programmability offers tangible user benefits through higher component integration, greater design flexibility, faster time-to-market, superior system performance, and improved end-product differentiation.

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