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New Product Announcement

Develop Sensor-Based Applications with Cypress' CY8CKIT-048 PSoC Pioneer Kit, Now at Mouser

June 15, 2016 – Mouser Electronics, Inc. is now stocking the CY8CKIT-048 PSoC® Analog Coprocessor Pioneer Kit from Cypress Semiconductor. The programmable system-on-chip (PSoC) Analog Coprocessor offloads sensor processing from the host and reduces overall system power consumption, allowing engineers to evaluate and develop Internet of Things (IoT) applications that require multiple sensors. The PSoC Analog Coprocessor Pioneer Kit includes six example projects for Cypress' PSoC Creator™ integrated design environment (IDE), which engineers can use for developing and debugging projects with the PSoC Analog Coprocessor device.

The Cypress CY8CKIT-048 PSoC® Analog Coprocessor Pioneer Kit, available from Mouser Electronics, contains a Pioneer board with footprint-compatibility with Arduino Uno R3 shields and baseboards, a USB cable, four jumper wires, five headers, a metal disk, and a quick start guide. The Pioneer board features five onboard sensors: a PIR motion sensor, an ambient light sensor, a thermistor, an inductive proximity sensor, and a humidity sensor. The board also includes an RGB LED, two push-button switches, an onboard programmer/debugger and USB-UART/I^2C bridge functionality block, and a Cypress F-RAM™ ferroelectric memory for nonvolatile data storage. The kit supports operating voltages of 1.8V, 3.0V (coin cell), 3.3V, or 5V for flexibility in applications.

The onboard PSoC Analog Coprocessor device integrates a flexible analog front ends, programmable analog filters, and high-resolution analog-to-digital converters (ADCs). The powerful 32-bit ARM® Cortex®-M0+ based signal processing engine allows host processors to easily fetch aggregated, pre-processed, and formatted complex sensor data over serial communication interfaces.

Engineers can program and debug the PSoC Analog Coprocessor device using the onboard PSoC 5LP. PSoC 5LP is a true system-level solution that provides a 32-bit ARM Cortex-M3 microcontroller, memory, and configurable analog and digital peripheral functions in a single chip. The CY8C58LPxx family offers a modern method of signal acquisition, signal processing, and control with high accuracy, high bandwidth, and high flexibility.

To learn more, visit http://www.mouser.com/new/Cypress-Semiconductor/cypress-cy8ckit-048-kit/.

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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 22 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 600 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 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Cypress Semiconductor

Cypress delivers high-performance, high-quality solutions at the heart of today's most advanced embedded systems, from automotive, industrial and networking platforms to highly interactive consumer and mobile devices. With a broad, differentiated product portfolio that includes NOR flash memories, F RAM™ and SRAM, Traveo™ microcontrollers, the industry's only PSoC® programmable system-on-chip solutions, analog and PMIC Power Management ICs, CapSense® capacitive touch-sensing controllers, and Bluetooth Low-Energy and USB connectivity solutions, Cypress is committed to providing its customers worldwide with consistent innovation, best-in-class support and exceptional system value.

Trademarks

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