

New Product Announcement

Now at Mouser Electronics: Microchip PIC18F K40 MCUs with Core Independent Peripherals

March 23, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking [PIC18FxxK40](#) microcontrollers from [Microchip Technology](http://www.microchip.com). The 8-bit PIC18FxxK40 microcontrollers combine flash, EEPROM, and RAM memory; rich peripheral integration; and eXtreme Low-Power (XLP) features to suit a variety of general-purpose and [low-power](#) applications. The cost-optimized devices deliver Microchip's Core Independent Peripherals to provide for increased design flexibility and lower system cost.

[Microchip's PIC18FxxK40](#) microcontrollers, available from Mouser Electronics, are the first in the PIC18 family to offer Microchip's Core Independent Peripherals (CIPs), which are designed to handle tasks without code or supervision from the CPU to maintain operations. As a result, CIPs simplify the implementation of complex control systems and give designers the flexibility to innovate.

The microcontrollers provide up to 128 Kbytes of flash memory, 3728 bytes of data SRAM, and 1024 bytes of data EEPROM as well as extensive peripheral integration. The devices include up to seven PWM modules and multiple communications interfaces. Additionally, the PIC18FxxK40 microcontrollers offer Microchip's Intelligent Analog peripherals, including Zero Cross Detect, on-chip comparator, and an analog-to-digital converter with computation (ADCC). The ADCC handles the signal analysis functions of averaging, filtering, oversampling and automatic threshold comparison independent of the CPU.

The PIC18FxxK40 microcontrollers are supported by the [Curiosity High Pin Count board](#) and Microchip's established software development platforms including MPLAB Code Configurator, MPLAB X IDE, XC8 Compiler, and Microchip's new cloud-based MPLAB Xpress IDE. The devices are well suited for a broad range of applications and market segments, including [touch](#) sensing, [industrial](#) control, consumer, [automotive](#), and [Internet of Things](#) (IoT).

To learn more, visit <http://www.mouser.com/new/microchip/microchip-pic18f-k40-mcus/>.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses 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 rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 4 million products from over 600 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and 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 Microchip

Microchip Technology Inc. is a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality.

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