

New Product Announcement

Explore the Microchip PIC18 Explorer Board Available from Mouser Electronics

May 28, 2014 – [Mouser Electronics](http://www.mouser.com), Inc. is now shipping the [PIC18 Microcontroller Explorer Board](#) from [Microchip Technology](http://www.microchip.com). This low cost development kit supports multiple analog and digital inputs, and includes LED indicators and a high resolution 16x2 LCD display. These features allow developers to quickly evaluate the PIC18 microcontroller and prototype projects based on this device.

The [Microchip® PIC18 Explorer Board](#) available from Mouser Electronics is a fully featured evaluation and development kit for the board-mounted 40MHz [PIC18F8722](#) 8-bit microcontroller (MCU) with 128KBytes of Flash, 3.9k of RAM, 1KBytes of EEPROM and a 10-bit ADC. The board also comes with a Microchip Plug-In Module (PIM) that has an alternate microcontroller, the high performance 48MHz [PIC18F87J11](#). On-board resources include a 10 kΩ potentiometer for the MCU's analog inputs, eight surface mount LED indicators, an analog temperature sensor, and more. A 16 character by two lines alphanumeric LCD display can be used to provide useful information on the status of the PIC18. All analog and digital pinouts on the PIC18 microcontroller are available for input and output on the header pins.

The PIC18 is Microchip's [low power](#), high end 8-bit microcontroller. The core is extremely efficient and includes a single-cycle 8x8 hardware multiply. Operating voltage range is from 2.0V to 3.6V and has a sleep current of only 20nA, one of the lowest sleep currents in the industry. With plenty of Flash and ROM, four serial ports and five timers, the PIC18F8722 is ideal for TCP/IP enabled embedded systems, as well as [instrumentation panels](#), [industrial control](#), and [smart meters](#).

Sample programs are provided to demonstrate all the on-chip analog and digital features of the PIC18 microcontrollers, along with all necessary hardware.

To learn more about this PIC18 Explorer Board and read the User's Guide, visit:

http://www.mouser.com/new/microchip/microchip_pic18_explorer/.

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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 Microchip Technology

Microchip Technology Inc. is a leading manufacturer of microcontroller and analog products, providing low-risk product development, lower total system cost, and faster time to market for thousands of diverse customer applications worldwide. Microchip offers outstanding technical support along with dependable delivery and quality.

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