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# Microchip Introduces the PIC32 Bluetooth® Starter Kit

*Eases Development of Bluetooth Enabled Products Such as Thermostats, Wireless Gaming Controllers, Barcode Scanners and Diagnostic Tools*

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced the new **PIC32 Bluetooth® Starter Kit**. The full-featured kit boasts a PIC32 microcontroller (MCU), HCI-based Bluetooth radio, Cree high-output multi-color LED, 3 standard single-color LEDs, an analog 3-axis accelerometer, analog temperature sensor and 5 push buttons for user-defined inputs. Additionally, a PICkit™ On Board (PKOB) which eliminates the need for an external debugger/programmer, USB connectivity and GPIOs for rapid development of Bluetooth Serial Port Profile (SPP), USB and general-purpose applications. The starter kit also features a plug-in interface for an audio CODEC daughter card which is set to release at a later stage to support Bluetooth audio.

The Bluetooth Starter Kit includes a PIC32MX270F256D MCU for main processing that runs at 83 DMIPS with 256 KB Flash and 64 KB RAM with a rich feature set including USB, $I^2S$/SPI, mTouch® capacitive touch sensing and an 8-bit Parallel Master Port. The kit reduces software development time by offering a free Bluetooth SPP stack optimized for the on-board PIC32 MCU for setting up emulated serial port connections between two peer Bluetooth devices.

The Bluetooth Starter Kit is targeted for low-cost applications in the consumer markets, such as Bluetooth thermostats and wireless gaming controllers. In the medical and industrial markets, applications include blood glucose meters, wireless diagnostic tools, Bluetooth GPS receivers, Bluetooth serial adapters and cordless barcode scanners.

“Microchip’s new Bluetooth Starter Kit is an ideal solution for developers who want to add Bluetooth as a wire replacement for their designs in consumer, industrial, medical and gaming markets,” said Rod Drake, director of Microchip’s MCU32 Division. “The kit includes everything that a designer needs for rapid prototype and development of Bluetooth SPP designs.”

**Development Support**

The PIC32 Bluetooth Starter Kit is supported by Microchip’s free **MPLAB® X Integrated Development Environment (IDE)** and **MPLAB Harmony Integrated Software Framework**. Additionally, the free Quick Start Package is available today, featuring an Android™ application development environment. It also includes a free Software Development Kit (SDK) with the application source code and binary for Microchip’s Bluetooth SPP library. Both are optimized for the on-board PIC32 MCU, and are available today via free download under the Documentation & Software section at **http://www.microchip.com/get/1AVL**.

**Pricing & Availability**

The PIC32 Bluetooth Starter Kit (part # DM320018, $79.99) is available for purchase today.

For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at **http://www.microchip.com/get/1AVL**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

**Resources**

High-res Image Available Through Flickr or Editorial Contact (feel free to publish):

- PIC32 Bluetooth Starter Kit: **http://www.microchip.com/get/552B**

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**About Microchip Technology**

Microchip Technology Inc. (NASDAQ: MCHP) 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. For more information, visit the Microchip website at **http://www.microchip.com/get/SUMD**.

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**Tags / Keywords:** **Bluetooth**, **Bluetooth Keyboards**, **Bluetooth Mouse**, **Bluetooth SPP**, **Bluetooth Android Application**, **Serial Port Profile**, **RS-232 Replacement**, **Bluetooth Game Controllers**, **Wireless Game Controllers**, **Cordless Barcode Scanner**, **Wireless Accessories**

Microchip Technology Inc.
**Editorial Contact:**
Terri Thorson, 480-792-4386
**terri.thorson@microchip.com**
or
**Reader Inquiries:**
1-888-624-7435
**http://www.microchip.com/get/1AVL**

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