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Microchip Announces Industry's Lowest Power Projected-Capacitive Touch Controllers

MTCH6102 Enables Fast, Cost-Effective, Low-Power Designs for Modern Human Interface

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced a new family of projected-capacitive touch controllers—the **MTCH6102** with industry-leading low-power performance. These turnkey projected-capacitive controllers make it easy for designers to add contemporary touch and gesture interface designs to cost-sensitive applications.

This MTCH6102 facilitates design integration of capacitive scanning for touchscreens and touchpads including 11 single-finger gestures to swipe, scroll or double tap. The MTCH6102 enables flexible, scalable solutions to support PCB, ITO or FPC sensors up to 15 channels. It supports cover lenses up to 3 mm plastic and 5 mm glass and configurable sleep/idle frame rates to optimize for most power budgets with active mode as low as 12 µA. Microchip offers its free Configuration Utility to allow designers to make fast customizations. Microchip also provides designers with the firmware library for further optimization and control if needed.

The MTCH6102 family serves a wide range of applications in the consumer-electronic (e.g., remote controls, gaming devices, wearable devices such as headphones, watches, fitness wristbands, and track pads), and automotive markets (e.g., automotive interior controls and control panels), among others.

"Microchip's turnkey, low-cost controller offers the lowest power projected-capacitive touch solution in the industry to maximize battery life in cost-sensitive applications," said Fanie Duvenhage, director of Microchip's Human-Machine Interface Division. "The MTCH6102 provides developers with a flexible touch-sensing solution for smaller touch areas to optimize common constraints of size, power and cost that are critical to applications such as wearable devices, remote controls, gaming devices and track pads."

Development Support

The MTCH6102 is supported by Microchip's **Low-Power Projected-Capacitive Touch Pad Development Kit** (part # DM160219, $49.00), and is available to order today.

Pricing & Availability

Pricing for the MTCH6102 starts at $0.96 each, in 10,000-unit quantities and is available for production orders 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/TU7M**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

Resources

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- Chip Graphic: **http://www.microchip.com/get/FK4L**
- DM160219 Development Kit: **http://www.microchip.com/get/TL6B**

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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/GBLW**.

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Tags / Keywords: Touchpads, **Touchscreens**, **Projected Capacitive**, **PCap**, **XY Touch**, **Low Power**, **Human Interface**

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