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MICROCHIP

Microchip Announces Analog Resistive USB Touch-Screen Controller

Controller Available as Turnkey Chip or Board Product, with Free Drivers for Most Major Operating Systems

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced the **mTouch™ AR1100 Analog Resistive USB Touch-Screen Controller**. Building upon the **AR1000** Analog Resistive Touch-Screen Controller series, the AR1100 controller is a high-performance, **USB** plug-and-play device that offers advanced calibration capabilities as a USB mouse or single-input digitizer. The new controller is available as a turnkey chip or board product, supporting all 4-/5-/8-wire touch screens, with free drivers for most major operating systems. The AR1100 is an ideal solution for customers who want a drop-in touch controller to universally support their entire standard resistive-touch portfolio.

Touch input is fast becoming a standard user interface. Resistive touch provides the advantages of easy integration, low total system cost and acceptance of finger, glove or stylus input, to meet the needs of applications such as **medical devices**, **industrial controls**, **handwriting** or **signature capture**, and other touch-input mechanisms. Additionally, USB communication is the industry standard for attaching peripherals to a computer. The AR1100 is an easy-to-integrate touch-screen controller that meets all of these needs in a single-chip solution. It also features advanced calibration options for alignment and linearization, enabling superior accuracy for 4-, 5- and 8-wire touch screens, as well as highly accurate button pressing for critical applications with tight spacing.

"Microchip is pleased to announce the advanced capabilities of the AR1100 USB resistive touch-screen controller chip and board products," said Steve Drehobl, vice president of Microchip's Security, Microcontroller & Technology Development Division. "The AR1100 builds upon the AR1000 series to enable customers to easily integrate low-cost, high-performance resistive touch solutions with the advantages of USB plug and play. Free drivers for most major operating systems enable designers to quickly create low-risk touch interface solutions with the AR1100 for a wide variety of applications across the broad resistive-touch market."

In addition to the **AR1100 controller**, Microchip announced enhancements to its **AR1000 Analog Resistive Touch-Screen Controllers**, with new high-volume market pricing, a full suite of drivers including those for the Windows® CE, Linux and Android™ operating systems, and a new minimum operating voltage down to 2.0 V. The AR1000 is a turnkey analog resistive touch controller that targets low-cost embedded applications using I^2C™, SPI or UART communications.

Pricing & Availability

The **AR1100** controller is available in 20-pin SOIC, SSOP and QFN packages today, for $.95 each, in 10,000-unit quantities. The AR1100 is also available as a board product, for $12 each in production quantities. The **mTouch AR1100 Development Kit** (part # **DV102012**, $89.99) includes an AR1100 production-ready PCB, with a USB cable and a 5-wire analog-resistive touch screen, enabling designers to quickly connect and test this advanced touch-screen controller. **Samples** of the controller can be ordered today, at **http://www.microchip.com/get/055H**. All products can be purchased today, at **microchipDIRECT** (**http://www.microchip.com/get/2EVP**). For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at **http://www.microchip.com/get/08XT**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, 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, Ariz., Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the **Microchip Web site** (**http://www.microchip.com/get/WT8Q**).

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High-res photos and block diagram available through editorial contact or Flickr (feel free to publish):
Block Diagram
http://www.microchip.com/get/3R1C

mTouch AR1100 Touch-Screen Controller
http://www.microchip.com/get/EBJ4

mTouch AR1100 Development Kit
http://www.microchip.com/get/SKT2

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Microchip Technology Inc.
Editorial Contact:
Michelle Ragsdale, 480-792-4111
michelle.ragsdale@microchip.com
Reader Inquiries:
1-888-624-7435
http://www.microchip.com/get/08XT

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