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Microchip Announces Strategic Partnership With Xymox Technologies for Printed Multi-Touch Sensor Solutions

Xymox's Flexible Printed Sensors Combined With Microchip's Low-Power Touch Electronics to Meet the Growing Demand for Low-Cost, Faster-Time-to-Market Human-Interface Solutions

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced a strategic partnership with Xymox Technologies to provide customers with a complete, cost-effective touch and gesture interface solution with industry-leading low-power touch electronics and printed flexible touch sensors supporting a wide range of existing and emerging markets.

Xymox's printed transparent PEDOT:PSS conductive polymer sensors made with **KODAK HCF (Highly Conductive Film)** combine with Microchip's low-cost, low-power touch electronics to enable fast, inexpensive development of touch and gesture enabled devices. This unique strategic partnership addresses the common constraints of flexibility, total system power and cost that are critical in modern designs in the fast-paced consumer markets, such as wearables and handheld controls as well as the industrial markets with bar code readers, thermostats and various other human interface devices.

Microchip's **turnkey touch controllers** combined with Xymox flexible printed sensors made from KODAK HCF Film materials provide customers with a complete, low-cost, low-power, flexible, gesture-enabled interface solution for cost and power constrained designs.

Customers can leverage fast turnaround and low manufacturing minimums of Xymox printed sensors to integrate with Microchip's versatile touch electronics solutions to keep pace with their changing touch interface requirements. Xymox can design and manufacture a custom projected capacitive sensor that is a cost-effective alternative to traditional ITO sensors. Xymox printed sensors are also formable to meet the challenges of curved surfaces in today's modern designs.

"Microchip's industry-leading low-power touch electronics solutions combine with Xymox's flexible printed sensors made from KODAK HCF Film materials to provide a complete touch and gesture enabled solution that is well suited to meet the cost and power design challenges of modern applications such as wearables," said Fanie Duvenhage, director of Microchip's Human-Machine Interface Division. "Microchip makes it easy for customers to add touch and gestures to their design by offering complete solutions through this new strategic partnership."

Examples of Xymox printed flex sensors with Microchip electronics will be featured at **IDTechEx Printed Electronics USA**, Santa Clara, CA, November 19-20, 2014 (Xymox

Booth #C26). For more information on how to start a flexible multi-touch design, contact Bob Heidenrich, Xymox at 414-365-6122 or **bheidenrich@xymox.com**.

Resources

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

- Flexible Projected Capacitive Solution Graphic: **http://www.microchip.com/get/1Q5E**

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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/MJTJ**.

About KODAK Highly Conductive Films

Eastman Kodak Company is innovating in the flexible film technology space with shared technology partners to deliver multiple solutions for the printed electronics markets. Our unparalleled expertise and core competencies in materials science, deposition technologies and large-scale manufacturing enables customers large and small to integrate the growing portfolio of KODAK Highly Conductive Films (HCF) in the design, scale up, and commercial roll-out of custom projected capacitive sensors for a range of industrial applications, while meeting the quality, performance and price targets of our customers. For more information, visit Kodak's website at **http://www.microchip.com/get/4LRK**.

About Xymox

Xymox has been a leader in the design and manufacture of membrane switches for more than 35 years with applications in diverse markets including appliances, industrial controls, and medical electronics. Xymox offers a complete array of custom membrane switches, flexible circuitries and graphic overlays. Building on this foundation, Xymox is taking core competencies such as solution engineering, screen printing, laminating, and die cutting and now supplies new products such as projected capacitive sensors to the Printed Electronics market. For more information, visit Xymox's website at **http://www.microchip.com/get/41VT**.

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Tags / Keywords: Touchpads, Touchscreens, Projected Capacitive, PCap, Gestures, Low Power, Human Interface, Flexible Sensors, multi-touch, Printed Transparent Sensor, Conductive Polymers, Kodak HCF Film, Xymox

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