New Family of maXTouch® Touchscreen Controllers Designed for Large-Screen Automotive HMI Designs

MXT1665T-A Family from Microchip Brings the User Experience of Multi-Touch HMI into the Vehicle

CHANDLER, Ariz., April 27, 2017 (GLOBE NEWSWIRE) -- A new family of **maXTouch®
touchscreen controllers** is now available from Microchip Technology Inc.
(NASDAQ:MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP
solutions. The MXT1665T-A family of automotive-qualified touchscreen controllers is
designed for large-screen automotive Human Machine Interface (HMI) designs. The
technology brings the user experience of multi-touch HMI, such as on a mobile phone, to car
drivers and passengers in screen sizes from eight to 15 inches.

The MXT1665T-A family carries Microchip's adaptive touch technology that utilizes self-
capacitive touch as well as mutual capacitive touch scanning. This combination provides the
multi-touch experience even with thick cover lenses, thick gloves or in the presence of
moisture and water. The product family is fully AEC Q100 qualified to address all the unique
needs of automotive system designs.

The family complements the very successful MXT641T-A family of products. It shares many
of the same features developed for the automotive industry, but is able to address larger
screen sizes over 10 inches. The MXT1665T-A family supports screen sizes from eight to 15
inches and also supports smaller multi-finger pinch separation.

"With the addition of the MXT1665T-A family, Microchip offers full scalability to customers,
enabling them to design multiple platforms from small to large display sizes with the same
quality user experience and interface," said Fanie Duvenhage, vice president of Microchip's
touch division. "Consumers are demanding capacitive touch solutions in their vehicles.
Microchip is the only provider of touchscreen controllers offering a large, growing portfolio of
automotive qualified products with a vast support infrastructure throughout the world."

By having a large range of screen size options within Microchip's touchscreen controller
families, companies are more scalable. This will ultimately shorten design time, and lower
system and development cost.

The MXT1665T-A family consists of three parts that are all available now. The MXT1665T-A
supports 1664 touch node sensors, the MXT1189-A supports 1188 touch node sensors and
the MXT799T-A supports 798 touch node sensors. For more information, visit:
http://www.microchip.com/MXT1665T_Main7302

Development Support
A designated evaluation kit is available for each of the parts in the MXT1665T-A family. The

kit includes a PCB with a maXTouch touchscreen controller, a touch sensor on a glass/plastic lens, the FPC to connect to the sensor display, a converter PCB to connect this kit to the host PC via USB, as well as cables, software and documentation. All parts are also compatible with maXTouch Studio, a full software development environment to support the evaluation of maXTouch touchscreen controllers.

Pricing and Availability
All parts in the MXT1665T-A family are available now in sampling and volume products in a LQFP176 package. Pricing is available upon request.

For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's website. To purchase products mentioned in this press release, go to the new, easier-to-navigate and mobile-optimized microchipDIRECT or contact one of Microchip's authorized distribution partners.

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

- Chip Graphic: **www.flickr.com/photos/microchiptechnology/34137675781/sizes/l**

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 **www.microchip.com**.

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