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Audi Deploys Microchip's MOST150 Technology in New Audi A4 Sedan's Virtual Cockpit Infotainment System

Audi's Third Combined Digital Instrument Cluster and Multi Media Interface to Employ Microchip's MOST150 INICs With USB for Seamless Connection to System-on-Chip

CHANDLER, Ariz., Dec.15, 2015 /PRNewswire/ -- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced that AUDI AG is using MOST[®] technology to network the high-end Audi virtual cockpit system in the latest model year of its best-selling A4 Sedans. This follows a similar deployment in its Q7 SUV and TT Coupe models. Specifically, Audi is utilizing Microchip's OS81110 and OS81118 [MOST150 Intelligent Network Interface Controllers \(INICs\)](#), which provide 150 Mbps performance and support all MOST network data types. The OS81118 also includes a High Speed USB 2.0 interface (PHY/HSIC), to seamlessly connect with the virtual cockpit's System-on-Chip processor.



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To learn more about Microchip's MOST networking products, visit <http://www.microchip.com/MOST-121515a>.

To date, approximately 200 million MOST interface controllers have been installed in 194 car models since 2001. Audi and all major carmakers have for many years successfully implemented MOST technology in their multi-node infotainment networking systems, as it provides a field-proven, low-risk, whole-system solution. The MOST150 standard also provides Ethernet or Internet-protocol networking capabilities. This latest version of MOST technology continues to predictably and efficiently transport video, audio, packet and control data throughout the vehicle without time-synchronization protocols, using dedicated channels for minimal processor overhead in the main infotainment control unit processors.

"We are thrilled that Audi is continuing to roll out the latest MOST150 standard, this time in its mid-class A4 car model," said Dan Termer, Microchip's Automotive vice president. "Their ongoing deployments demonstrate that MOST technology continues to be the de-facto standard for automotive infotainment networks."

MOST150 also provides 150 Mbps performance and proven electromagnetic-compatibility (EMC) behavior. All MOST INICs offer industry-standard hardware interfaces to processor and peripheral devices for the efficient routing of streaming, packet and control data, which greatly simplifies module designs. End users can immediately access the vehicle's infotainment system, due to the MOST INIC's ultra-fast network startup behavior.

The [MOST Cooperation](#) standards enable automotive OEMs and their Tier 1 suppliers with a proven and well-supported methodology for defining and implementing high-bandwidth infotainment and Advanced Driver Assistance (ADAS) systems, including a standard physical layer and a robust method for system management and control with superior reliability and Quality of Service (QoS). Using MOST technology also reduces weight for easier compliance with environmental regulations.

Resources

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

- Chip Graphic: <http://www.microchip.com/Graphic-121515a>
- Block Diagram: <http://www.microchip.com/Diagram--121515a>

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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/Homepage--121515a>.

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Tags / Keywords: MOST Networking Technology, Optical Physical Layer, EMC Immunity, 150 Mbps, INIC with Extended Features, All MOST Data Types, Control, Synchronous, Isochronous, MOST Ethernet Packet Chanel, Streaming, SPI, USB, Network Ports, USB 2.0, High Speed USB Device (PHY/HSIC), Standard SoC Interface

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