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# Microchip's MOST150 INICs Enable Cost-Effective Smart Antenna Module Coaxial Connectivity to Automotive Control, Audio, Video and Internet Protocol Networks

**MOST® Cooperation Releases MOST150 Technology Coaxial Physical Layer Specification; Ideally Suited for Automotive Smart-Antenna Data Traffic and Simultaneous Power Delivery**

CHANDLER, Ariz., March 25, 2015 /PRNewswire/ -- **[NASDAQ: MCHP]** — Microchip Technology Inc., a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced that the [MOST® Cooperation](#) released its MOST150 technology coaxial physical layer specification. This new industry-standard specification enables Microchip to support smart antenna module connectivity to in-vehicle MOST150 advanced driver assistance system (ADAS) and infotainment networks, via its [OS81118AF Intelligent Network Interface Controller](#) (INIC) with integrated coax transceiver. The MOST150 coaxial physical layer is ideally suited for smart-antenna telematics and other data traffic from AM/FM, DAB, SDARS, DVB-T, 3G/LTE, GPS and Wi-Fi® signals that increasingly need to connect with in-vehicle networks for high-bandwidth control, audio, video and Internet Protocol (IP) communication. Additionally, the ability to utilize the proven and low-cost coaxial cabling to simultaneously deliver communication signals and power to these in-vehicle systems simplifies design and installation efforts while lowering costs and reducing vehicle weight for easier compliance with environmental regulations.



# MICROCHIP

To learn more about Microchip's OS81118AF MOST150 INIC, visit:  
<http://www.microchip.com/OS81118AF-032515a>.

The OS81118AF allows designers to create in-car cellular and Wi-Fi® connectivity applications on the MOST150 network by connecting to a smart antenna module via a

coaxial cable. This simple solution reflects today's market demands for wirelessly connected applications within the automotive environment, such as Internet access, e-mail, social networking and location/GPS-based services. The MOST150 technology was first deployed in the 2012 car models, and the first vehicles with the MOST150 Technology Coaxial Physical Layer are planned for model-year 2017. To date, more than 150 million MOST devices have been installed in over 180 car models since 2001. This cost-effective coaxial implementation of smart antenna modules allows for broad market adoption, and is expected to further expand the use of MOST technology in vehicles.

"We are excited that the MOST Cooperation released its MOST150 Technology Coaxial Specification," said Dan Termer, vice president of Microchip's Automotive Information Systems Division. "We are grateful to our customers and the MOST Cooperation working group for joining us in the effort to make this release happen. By employing the MOST150 Technology Coaxial Physical Layer, we are able to offer a technically superior solution with a robust physical layer and proven electromagnetic behavior that allows cost-effective implementations of smart-antenna modules inside vehicles."

### **Availability**

Microchip's OS81118AF cPhy INIC is available today for sampling, in a 72-pin QFN package. For additional information, contact any Microchip sales representative or visit Microchip's Web site at <http://www.microchip.com/OS81118AF-032515a>. To purchase the products mentioned in this press release, contact Microchip's sales team.

### **Resources**

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

- Chip Graphic: <http://www.microchip.com/Chip-Graphic-032515a>
- Block Diagram: <http://www.microchip.com/Block-Diagram-032515a>

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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/Homepage-032515a>.

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**Tags / Keywords:** MOST Cooperation Coaxial Specification, MOST Networking Technology, Coaxial Physical Layer, Telematics Control Unit, Smart Antenna Module, AM/FM, DAB, SDARS, DVB-T, 3G/LTE, GPS, Wi-Fi, Car-to-Car, Car-to-X, Weight and Cost Reduction of Wire Harness

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