NXP Enables Market First for In-Vehicle Multi-Device Wireless Charging Solutions

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- *Charges two mobile devices simultaneously at up to 2x15 Watts using a single MWCT controller, an industry first*
- *Supports all Qi enabled phones including latest models of iPhone, Samsung, Huawei and Xiaomi*
- *Optional NFC for convenience features such as BLE/Wi-Fi pairing,* smart car access with NFC*, in-car purchases and NFC card damage protection*

EINDHOVEN, The Netherlands, Aug. 27, 2020 (GLOBE NEWSWIRE) -- NXP Semiconductors N.V. (NASDAQ: NXPI) today announced that the first multi-device vehicle wireless charging solution driven by a single MWCT controller is now available in production vehicles. As the market leader in integrated automotive wireless charging solutions, NXP has expanded its offerings to the new 15W wireless power standard, enabling faster charging. The new solution helps carmakers offer a differentiated in-car experience to their customers by enabling the passenger and driver to simultaneously charge wirelessly through one console. The use of a single MWCT device in the vehicle enables carmakers to benefit from a reduced cost and physical footprint for device charging. Based the Qi standard, it supports all Qi enabled phones, including iPhone, Samsung, Huawei, Xiaomi and others.

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Smartphones have become the center of the digital lifestyle and their interoperability with the vehicle, in applications such as smart car access with NFC, continue to reinforce this role. Consumers need their phones to be charged on the go in order to access information, make purchases, maintain contact with friends and family and tap emergency services when required. Wireless charging is an elegant solution that gets rid of bulky chargers and cords and is increasingly in demand.

"Wireless charging enables a cleaner, clutter-free console that provides convenience and simplicity to consumers. Dual charging is the next step," said Denis Cabrol, Sr. Director, NXP. "As the leader in in-vehicle charging, NXP is pleased to make this groundbreaking technology available to carmakers who are at the leading edge of creating experiences for their customers."

The new MWCT series is enabled by a NXP's unique hybrid DSC core with dedicated peripherals that allow the 2 Qi protocols to run in parallel in a single MWCT controller. New patented technologies, such as Clean EMC (CEMC), provide breakthroughs in electromagnetic compatibility performance, which is required for CISPR 25 Class 5 in 15W systems. These innovations allow OEMs to cut the overall system bill of materials.

The NXP MWCT controller family provides car makers with a production-ready solution that is easy to implement through readily available software and hardware design files. NXP's leadership and expertise in delivering high quality in-vehicle charging solutions offer customers a compelling path to differentiating their in-vehicle charging offerings.

About NXP Multi-Device 15W Wireless Charging Solutions

- [NXP MWCT2xx3A: 15-Watt Wireless Charging Transmitter ICs for Automotive Applications](#)
- *Multi-coil supported per channel for expansion of charging area*
- *Hardware and software solution with NXP's Qi library powers millions of Qi certified in-vehicle chargers in the field*
- Simultaneous multiple Qi device charging, charges up to two 15W devices with only one MWCT controller
- NXP possess vast experience with millions of Qi 1.2.4 certified in-vehicle chargers powered by NXP's software

- Future Qi spec is release ready and includes automotive grade security to fulfill upcoming requirements
- Patented Clean EMC (CEMC) signal processing for CISPR 25 Class 5
- Enhanced safety performance via unique Foreign Object Detection (FOD) methods
- Production ready hardware design files & available SW

About NXP Semiconductors

NXP Semiconductors N.V. enables secure connections for a smarter world, advancing solutions that make lives easier, better, and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the automotive, industrial & IoT, mobile, and communication infrastructure markets. Built on more than 60 years of combined experience and expertise, the company has approximately 29,000 employees in more than 30 countries and posted revenue of $8.88 billion in 2019. Find out more at www.nxp.com.

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A photo accompanying this announcement is available at https://www.globenewswire.com/NewsRoom/AttachmentNg/90eb557c-24e1-4015-a358-064efe040805

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