New Product Announcement

Charge Wirelessly with the Freescale MWCT1000CFM and MWCT1101CLH ICs from Mouser

May 8, 2014 – Mouser Electronics, Inc. is now shipping the Freescale® MWCT1000CFM and MWCT1101CLH wireless charging ICs. These devices are Freescale's cutting-edge solutions for single-coil wireless charging transmitter applications.

The new MWCT1000CFM and MWCT1101CLH wireless charging ICs available from Mouser Electronics integrate all the necessary functions for a WPC Qi compliant wireless charger design. They work with any low power single-coil transmitter that is used to wirelessly communicate with the mobile device to be charged. Once a mobile device is detected, the wireless charging IC communicates with the device to determine its charging parameters. It then adjusts the wireless charging rate by using the proper operating frequency for that mobile device.

These wireless charging ICs support the latest foreign object detection (FOD) safety feature to ensure that power transfer is not applied to foreign objects. This prevents overheating of misplaced foreign objects placed near the charging coil. Other safety features include over voltage, over current, and temperature protection. Pins are available for an external LED and buzzer for system status indication. These devices boast a low Run current of 30mA and low standby current.

The MWCT1101CLH supports all the features of the MWCT1000CFM, and include 40KBytes of on-chip programmable Flash memory with SPI, I2C, and UART interfaces along with additional I/O pins. This allows customization of the charger for maximum flexibility.

Applications for these wireless charging ICs include 5W single-coil wireless charging applications, mobile phone chargers, point-of-sale terminals, handheld medical devices, mobile phone accessories such as battery banks and active phone sleeves, and rechargeable computer accessories such as keyboards and mice.

To learn more, visit:
http://www.mouser.com/new/Freescale-Semiconductor/freescale-mwct1-wireless-charging-ic/.

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About Mouser Electronics

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 400,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit http://www.mouser.com.

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