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Energous Corporation Announces New DA2223 Receiver IC Designed for Small Electronic Devices

Smallest IC in the Energous portfolio increases the available market for wireless charging by providing Energous WattUp® to smaller form factor devices

SAN JOSE, Calif., Nov. 27, 2018 (GLOBE NEWSWIRE) -- Energous Corporation (NASDAQ: WATT), the developer of WattUp, a revolutionary wireless charging 2.0 technology, today announced the availability of its DA2223 receiver chip, which is the latest addition to its family of integrated circuits (ICs). At just 1.7mm x 1.4mm and less than 0.5mm thin, the DA2223 4-port RF-to-DC wireless power chip is the smallest RF rectifier IC in the Energous technology portfolio.

New DA2223 Receiver IC

Depending on the device power level, a complete WattUp wireless power receiver can be realized using a single DA2223 IC coupled with a matching circuit made from two standard discrete components and a tiny 2mm x 3mm antenna, which itself can be formed using simple printed circuit board tracking. Such a small form factor makes it ideal for use in small electronic devices where a coil-based wireless charging system is not practical.

“At just 1.7mm x 1.4mm in size, the DA2223 was designed for very small form factor applications like True-Wireless Stereo earbuds, hearing aids and wearables, which we expect to be a large part of our revenue ramp from 2019,” said Stephen R. Rizzone, president and CEO of Energous Corporation. “Partnered with Dialog Semiconductor, we continue to innovate turnkey solutions that increase our competitive separation from older, first generation coil-based solutions. Energous and Dialog are leading the advancement of next generation wireless power technology and paving the way for the global build out of the wireless charging 2.0 ecosystem.”

Energous’ new DA2223 receiver IC:

- Features four RF-to-DC rectifiers, allowing the connection of up to four antennas for optimal freedom-of-placement while charging, or the pairing of rectifier paths for increased power
- Supports dual frequencies (915 MHz or 5.8 GHz)
- Leverages the 12-pin WLCSP (Wafer Level Chip Scale Package), which offers customers flexibility in integration; max dimensions: 1.69 mm x 1.39 mm x 0.485 mm, 0.4 mm pitch
- Complements the Energous portfolio of IC solutions, including the fully integrated WattUp power transmitter IC (DA4100) and the wireless power RF-to-DC receiver IC (DA2210)

“DA2223 expands the existing portfolio of WattUp wireless charging ICs, providing a comprehensive chipset for customers to innovate with,” said Mark Tyndall, senior vice president corporate development and strategy, and general manager, Emerging Products Business Group, at Dialog Semiconductor. “The WattUp chipset is custom-built and cost-optimized for both at-contact and over-the-air RF-based wireless charging, and with the addition of this latest receiver IC, we are able to broaden the market reach into even smaller products.”

To learn more about Energous, please visit Energous.com or follow the company onTwitter, Facebook, Instagram and LinkedIn.

About Energous Corporation

Energous Corporation (NASDAQ: WATT) is leading the next generation of wireless charging – wireless charging 2.0 – with its award-winning WattUp® technology, which supports fast, efficient contact-based charging, as well as charging over-the-air. WattUp is a scalable, RF-based wireless charging technology that offers substantial improvements in contact-based charging efficiency, foreign object detection, orientation freedom and thermal performance compared to older, coil-based charging technologies. The technology can be designed into many different sized electronic devices for the home and office, as well as the medical, industrial, retail and automotive industries, and it ensures interoperability across products. As a systems solutions company, Energous develops silicon-based wireless power transfer (WPT) technologies and customizable reference designs. These include innovative silicon chips, antennas and software, for a large variety of applications, such as smartphones, fitness trackers, hearables, medical sensors and more. Energous received the world’s first FCC Part 18 certification for at-a-distance wireless charging, and the company has more than 180 awarded patents/allowed applications for its WattUp wireless charging technology to-date. For more information, please visit Energous.com.

Safe Harbor Statement

This press release contains forward-looking statements that describe our future plans and expectations. These statements generally use terms such as “believe,” “expect,” “may,” “will,” “should,” “could,” “seek,” “intend,” “plan,” “estimate,” “anticipate” or similar terms. Examples of our forward-looking statements in this release include our statements about technology developments and wireless charging innovation. Our forward-looking statements speak only as of this date; they are based on current expectations and we undertake no duty to update them. Factors that could cause actual results to differ from what we expect include: uncertain timing of necessary regulatory approvals; timing of customer product development and market success of customer products; our dependence on distribution partners; and intense industry competition. We urge you to consider those factors, and the other risks and uncertainties described in our most recent annual report on Form 10-K and subsequent quarterly reports on Form 10-Q, in evaluating our forward-looking statements.

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A photo accompanying this announcement is available at https://www.globenewswire.com/NewsRoom/AttachmentNg/c9b14a82-c27e-4429-a3a7-828364204d38

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