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Skyworks and Ember Partner to Deliver Next-Generation ZigBee(R) System Solutions

Designs Provide Industry Leading Performance, Power and Footprint

WOBURN, Mass., Feb 08, 2011 (BUSINESS WIRE) -- Skyworks Solutions, Inc. (NASDAQ: SWKS), an innovator of high reliability analog and mixed signal semiconductors enabling a broad range of end markets, and Ember Corp., a leading provider of low-power, wireless mesh networking technology, today introduced innovative solutions for ZigBee® applications targeting the growing energy management, home area network and industrial automation markets. ZigBee® is a wireless network standard that solves the unique needs of remote monitoring and control, and sensor-network applications. Specific wireless applications range from lighting control, to door and window sensors, to appliance and temperature controllers.

"Ember is a global leader for ZigBee networking systems and is known for delivering the highest levels of performance. Continuing our partnering with Skyworks with our latest generation of ZigBee solutions was an obvious choice," said Dennis Natale, Ember's vice president of sales. "These industry-leading platforms are designed to power the next wave of energy management and home automation applications while delivering exceptional performance and long battery life. To this end, we are excited to be utilizing Skyworks' field-proven front-end solutions."

"Ember is the undisputed ZigBee® market leader and we are delighted to be combining Skyworks' front-end modules with their next-generation system-on-chips (SoCs) to offer customers best-in-class, turnkey solutions," said Liam K. Griffin, Skyworks' senior vice president of sales and marketing. "Given the momentum and demand for green technologies, enhanced security and energy conservation, we are thrilled to be leveraging our scale and analog integration capabilities with the industry leader to serve multiple end markets."

ON World Inc., a market research firm that provides business intelligence for smart-technology markets, is forecasting more than 100 million 802.15.4 and ZigBee® units to ship annually within the next few years. The largest markets are expected to be advanced metering infrastructure (AMI), home automation and consumer electronics. In addition, ON World anticipates that many emerging vertical markets --- including medical devices, health and wellness monitoring, building automation and municipal/transportation --- will also leverage ZigBee®/IEEE 802.15.4 technologies.

About the SKY65343-11 and SKY65344-21

The [SKY65343-11](#) is a high efficiency front-end module (FEM) for ZigBee® and other 2.4 GHz applications. The small FEM contains a 2.4 to 2.5 gigahertz (GHz) high-efficiency transmit (Tx) path and a low-loss bidirectional path. The bidirectional path contains a high isolation Tx/receive (Rx) switch and balun for low noise differential output. The differential output receiver port is also bidirectional and can be used to operate the module in a low-power Tx mode.

The [SKY65344-21](#) is a high-efficiency FEM for ZigBee® and other 2.4 GHz ISM band solutions. The small FEM contains a 2.4 to 2.5 GHz high efficiency Tx path and a low-loss bidirectional path. The bidirectional path can be used to directly connect the antenna port to a directional radio frequency (RF) port. The Rx path contains a high isolation T/R switch, low-noise amplifier (LNA), and balun for low-noise differential output.

The Tx path in both devices consists of a harmonic filter and high efficiency power amplifier (PA) capable of providing >20 dBm of power at the antenna port. Also included is an internal balun to allow use of differential input signals. Both parts are mounted in a 20-pin surface mount technology (SMT) package, which allows for a highly manufacturable and low-cost solution.

These FEMs can increase the usable range of a ZigBee® solution by as much as 700 percent, and when combined with Ember's EM350 series, results in the industry's most highly integrated and lowest total power solution.

About the EM351 and EM357

The [EM300 Series](#) ZigBee® chips from Ember are the industry's first ARM Cortex-M3 based family of system-on-chips (SoCs) delivering unmatched performance, power consumption and code density in a compact package. The EM351 and EM357 combine a 2.4 GHz IEEE 802.15.4 radio transceiver with a 32-bit microprocessor, Flash memory and RAM with powerful hardware supporting network-level debugging features. This, combined with the powerful ecosystem of ARM tools, enables OEMs to simplify development and accelerate time-to-market.

The EM351 and EM357 SoCs are tightly integrated with EmberZNet PRO, Ember's ZigBee® compliant mesh networking software which is the most deployed ZigBee® networking platform in the market.

The EM351 integrates a programmable ARM Cortex-M3 processor, IEEE 802.15.4 RF radio transceiver, 128 KB flash & 12 KB RAM and EmberZNet PRO network protocol stack supporting the ZigBee® PRO feature set. In addition, the EM357, optimized for applications that require more memory, has 192 KB flash and incorporates all the other characteristics and features of the EM351.

About Ember Corporation

Ember Corporation (www.ember.com) develops wireless mesh networking technology - chips, software and tools - for Smart Energy, connected homes, and many other monitoring and control applications enabling greener living and work environments. The Boston-based company is a promoter of the ZigBee® Alliance with an IC design center in Cambridge, England, an office in Hong Kong and sales channels and distributors worldwide.

About Skyworks

Skyworks Solutions, Inc. is an innovator of high reliability analog and mixed signal semiconductors. Leveraging core technologies, Skyworks offers diverse standard and custom linear products supporting automotive, broadband, cellular infrastructure, energy management, industrial, medical, military and mobile handset applications. The Company's portfolio includes amplifiers, attenuators, detectors, diodes, directional couplers, front-end modules, hybrids, infrastructure RF subsystems, mixers/demodulators, phase shifters, PLLs/synthesizers/VCOs, power dividers/combiners, receivers, switches and technical ceramics.

Headquartered in Woburn, Mass., Skyworks is worldwide with engineering, manufacturing, sales and service facilities throughout Asia, Europe and North America. For more information, please visit Skyworks' Web site at: www.skyworksinc.com.

Safe Harbor Statement

This news release includes "forward-looking statements" intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. These forward-looking statements include without limitation information relating to future results and expectations of Skyworks (including without limitation certain projections and business trends). Forward-looking statements can often be identified by words such as "anticipates," "expects," "forecasts," "intends," "believes," "plans," "may," "will," or "continue," and similar expressions and variations or negatives of these words. All such statements are subject to certain risks, uncertainties and other important factors that could cause actual results to differ materially and adversely from those projected, and may affect our future operating results, financial position and cash flows.

These risks, uncertainties and other important factors include, but are not limited to: uncertainty regarding global economic and financial market conditions; the susceptibility of the wireless semiconductor industry and the markets addressed by our, and our customers', products to economic downturns; the timing, rescheduling or cancellation of significant customer orders and our ability, as well as the ability of our customers, to manage inventory; losses or curtailments of purchases or payments from key customers, or the timing of customer inventory adjustments; changes in laws, regulations and/or policies in the United States that could adversely affect financial markets and our ability to raise capital; our ability to develop, manufacture and market innovative products in a highly price competitive and rapidly changing technological environment; economic, social and political conditions in the countries in which we, our customers or our suppliers operate, including security and health risks, possible disruptions in transportation networks and fluctuations in foreign currency exchange rates; fluctuations in our manufacturing yields due to our complex and specialized manufacturing processes; delays or disruptions in production due to equipment maintenance, repairs and/or upgrades; our reliance on several key customers for a large percentage of our sales; fluctuations in the manufacturing yields of our third party semiconductor foundries and other problems or delays in the fabrication, assembly, testing or delivery of our products; the availability and pricing of third party semiconductor foundry, assembly and test capacity and raw materials; our ability to timely and accurately predict market requirements and evolving industry standards, and to identify opportunities in new markets; uncertainties of litigation, including potential disputes over intellectual property infringement and rights, as well as payments related to the licensing and/or sale of such rights; our ability to rapidly develop new products and avoid product obsolescence; our ability to retain, recruit and hire key executives, technical personnel and other employees in the positions and numbers, with the experience and capabilities, and at the compensation levels needed to implement our business and product plans; lengthy product development cycles that impact the timing of new product introductions; unfavorable changes in product mix; the quality of our products and any remediation costs; shorter than expected product life cycles; problems or delays that we may face in shifting our products to smaller geometry process technologies and in achieving higher levels of design integration; and our ability to continue to grow and maintain an intellectual property portfolio and obtain needed licenses from third parties, as well as other risks and uncertainties, including but not limited to those detailed from time to time in our filings with the Securities and Exchange Commission.

These forward-looking statements are made only as of the date hereof, and we undertake no obligation to update or revise the

forward-looking statements, whether as a result of new information, future events or otherwise.

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