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Skyworks Expands Family of Complete Cellular System Solutions For GSM/GPRS Mobile Terminals

New Platforms Include all Major Hardware, Software and Design Support Tools for Building a Complete Handset Using as Few as Three Small Chips

WOBURN, Mass., Mar 13, 2003 (BUSINESS WIRE) --Skyworks Solutions Inc. (Nasdaq:SWKS), the industry's leading wireless semiconductor company focused on radio frequency (RF) and complete cellular system solutions for mobile communications applications, has expanded its family of GSM/GPRS cellular system solutions to increase customer options for reducing the cost and time-to-market for building quad-band handsets with improved performance and advanced multimedia features.

Building on Skyworks' earlier five-chip antenna-to-microphone system, the company has introduced two new platforms that address the size and integration needs of handset customers worldwide. For customers that desire a smaller, more compact footprint, Skyworks offers a three-chip system that incorporates a baseband processor, a mixed-signal device and the company's recently introduced Single Package Radio™ solution. Skyworks has also introduced a four-chip system with the same functionality, to support customers seeking a lower-cost approach.

"We have further extended the industry's broadest portfolio of system platforms across a wide range of applications, from those where cost, size and power efficiency are at a premium, to applications where design simplicity and time-to-market are of paramount concern," said Murthy Renduchintala, Skyworks' vice president of Cellular Systems. "Based on our portfolio of field-proven components with optimized interfaces, our system solutions enable both established OEMs and the rapidly emerging set of ODMs and contract manufacturers to move from a zero start to handset production in just six months."

Skyworks pioneered the concept of complete handset system solutions in 1996, and today offers the industry's most comprehensive system solution for GPRS handsets. Like the company's previous platforms, Skyworks' new system solutions provide all of the required hardware and software necessary to build a complete wireless terminal.

The software includes a complete, operator-qualified, network-approved GSM/GPRS protocol stack plus all reference user interface software necessary to deliver a Internet- and multimedia-enabled handset. The reference user interface is architected so that handset manufacturers can easily customize and differentiate their products by editing a Java script-based language. This reduces engineering resources required to develop and test the user interface (UI), and dramatically shortens the development cycle while allowing manufacturers to create distinctive, appealing user experiences. Multimedia features include integrated Web-browsing software, gaming, multimedia messaging (MMS), MP3 and JPEG decoders, and an embedded polyphonic tone generator.

Skyworks provides comprehensive design services for its system solutions via a worldwide customer support organization with locations in all key GSM markets. From these design centers, Skyworks enables customers to accelerate handset development from initial board layout, integration and test through GCF approvals and ultimately factory testing. This support is further enhanced through the availability of a hardware/software reference design.

Technical Details

Skyworks' three- and four-chip system platforms help to position GSM/GPRS handset technology as one of the most effective ways to deliver the advanced Internet services of next-generation, packet-based wireless terminals. They include all the necessary devices for building a state-of-the-art quad-band (850/900/1800/1900) GSM/GPRS handset, including digital and analog baseband processor, power management and radio frequency (RF) transceiver, and multi-band/multi-slot power amplifier circuitry. The highly integrated, three-chip solution includes:

- CX815 Baseband Processor A dual-core processor consisting of a DSP and ARM7 THUMB™ Reduced Instruction Set Computing (RISC) processor core that is optimized for low-power GSM/GPRS cellular handset applications. The baseband incorporates 1 Mbit of integrated SRAM along with enhanced functionality including GPRS Class 12, an AMR vocoder, MP3 and JPEG decoding, Java support, SPI, and I2S interfaces to support MMC and separate application processors. Available in a 10 mm x 10 mm CABGA, 180-pin package.
- CX20524 Mixed Signal Device A highly integrated device that implements all the power management, voice-band, mixed-signal and radio-control functions, and supports multi-slot GPRS up to Class 12. Available in a 10 mm x 10 mm CABGA, 180-pin package.

- SKY74073 Single Package Radio Solution Combines all of the radio circuitry required for GSM/GPRS handsets into a single dime-sized package that is one-third the size of alternative approaches. The device incorporates the company's Full Type-approved (FTA) single-chip direct conversion transceiver and a proven Skyworks power amplifier (PA) module that incorporates an EGSM900 PA block, a DCS1800/PCS1900 PA block, two surface acoustic wave (SAW) filters, a switchplexer module and impedance-matching circuitry for 50 ohm input and output, and bias-control circuitry. Available in a 13 mm x 13 mm MCM, 40-pin package.
- GSM/GPRS Protocol Stack Consists of a complete GSM Phase 2+ and multi-slot GPRS-compliant protocol stack. This software is developed, maintained and supported by a global Skyworks software team and implements the most advanced features including PBCCH, coding schemes 1-4. Already in production, the complete protocol stack has been tested extensively worldwide on all types of infrastructure and has successfully completed GCF testing.
- Mobile Applications and User Interface (MAUI™) software A UI reference design for accelerating handset delivery. It is architected to separate functional implementation (i.e., mobile originated phone call, sending an SMS message, etc.) from functional presentation to the user. This enables customers to easily modify the UI "look and feel" to create distinctive, appealing products. Third-party applications such as WAP browser, MMS client, Java and predictive text input are integrated to further accelerate customer development.

Pricing and Availability

Skyworks' three- and four-chip GSM/GPRS system solutions are sampling now. Volume production is scheduled to begin during the third quarter of 2003. The three-chip solution is priced at \$25.95 and the four-chip solution is priced at \$21.50, both in volumes of 10,000. All hardware elements are housed in low-profile, low-cost packages that allow for smaller, more attractive handsets. Complete reference designs are available for a broad range of applications, from data modules to clamshell handsets with integrated charged coupled device (CCD) camera phones.

Visit Skyworks at CTIA Wireless 2003

Next week at the CTIA trade show in New Orleans, the company will showcase its leadership product portfolio of front-end modules, RF subsystems and complete cellular systems, including the newest three-chip system solution, in Skyworks' booth #3667.

About Skyworks

Skyworks Solutions, Inc. is the industry's leading wireless semiconductor company focused on RF and complete cellular system solutions for mobile communications applications. The company began operations in June 2002, following the completion of the merger between Alpha Industries, Inc. and Conexant Systems, Inc.'s wireless communications business. Skyworks is focused on providing front-end modules, RF subsystems and cellular systems to wireless handset and infrastructure customers worldwide.

Skyworks is headquartered in Woburn, Mass., with executive offices in Irvine, Calif. The company has design, engineering, manufacturing, marketing, sales and service facilities throughout North America, Europe, Japan and Asia Pacific. For more information please visit 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 information relating to future results of Skyworks (including certain projections and business trends). All such statements are subject to certain risks and uncertainties that could cause actual results to differ materially from those projected, and may affect our future operating results, financial position and cash flows. These risks and uncertainties include, but are not limited to: global economic and market conditions, such as the cyclical nature of the semiconductor industry and the markets addressed by the company's and its customers' products; demand for and market acceptance of new and existing products; the ability to develop, manufacture and market innovative products in a rapidly changing technological environment; the ability to compete with products and prices in an intensely competitive industry; product obsolescence; losses or curtailments of purchases from key customers or the timing of customer inventory adjustments; the timing of new product introductions; the availability and extent of utilization of raw materials, critical manufacturing equipment and manufacturing capacity; pricing pressures and other competitive factors; changes in product mix; fluctuations in manufacturing yields; the ability to continue to grow and maintain an intellectual property portfolio and obtain needed licenses from third parties; the ability to attract and retain qualified personnel; labor relations of the company, its customers and suppliers; economic, social and political conditions in the countries in which Skyworks, its customers or its suppliers operate, including security risks, possible disruptions in transportation networks and fluctuations in foreign currency exchange rates; and the uncertainties of litigation, as well as other risks and uncertainties, including but not limited to those detailed from time to time in the company's Securities and Exchange Commission filings.

These forward-looking statements are made only as of the date hereof, and the company undertakes 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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Note: A photo is available at URL: <http://www.businesswire.com/cgi-bin/photo.cgi?pw.031303/bb9>

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