Skyworks Introduces Scalable Multi-Core Audio DSP Family for Automotive Platforms from Entry-Level to Premium Vehicles

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SKY4680x family enables scalable audio performance and software reuse across vehicle platforms; see it Showcased at Electronica Hall C4, Booth 440

MUNICH, Nov. 10, 2026 (GLOBE NEWSWIRE) -- Skyworks Solutions, Inc. (Nasdaq: SWKS), a global leader in high-performance RF, precision timing, power management and mixed-signal solutions, today introduced the SKY4680x family of automotive audio digital signal processors (DSPs). Offered in one-, two- and three-core variants, the SKY4680x family expands Skyworks' automotive audio portfolio beyond tuners and digital radio processors to audio processing platforms for a wide range of vehicle audio systems.

The automotive audio and radio portfolios build on Skyworks' expansive automotive footprint, which includes isolated gate drivers for EV traction inverters, RF solutions for digital access and UWB, and high-performance cellular, Wi-Fi, and Bluetooth connectivity.

The SKY4680x family enables OEMs and Tier 1 suppliers to standardize on a single audio platform and software environment across multiple vehicle programs. By providing a common architecture spanning one-, two- and three-core devices, customers can deploy differentiated audio capabilities across vehicle segments while maintaining software continuity.

Additionally, with the different core options, the SKY4680x family enables designers to select the DSP resources needed for each application, from mainstream sound enhancement to immersive audio experiences. This scalable approach helps OEMs align audio performance and system cost with the requirements of each vehicle trim.

"Automotive audio systems are evolving beyond traditional sound processing as automakers seek greater flexibility to deliver sophisticated in-cabin experiences, incorporating their own innovations and technologies from external partners," said Vivek Subramanian, vice president of product line management for Audio, Infotainment and Gaming at Skyworks. "The SKY4680x family helps customers meet these evolving requirements while accelerating development and deployment across vehicle programs."

Beyond core audio processing, the SKY4680x family supports customer-developed algorithms, Edge AI applications, and third-party audio IP, enabling OEMs and Tier 1 suppliers to create differentiated audio experiences. Support for expanding speaker counts, sophisticated audio topologies, and extensive digital audio connectivity allows the DSP to serve as both a processing engine and audio routing hub within complex vehicle audio architectures.

To help developers efficiently implement these capabilities, Skyworks' graphical audio development environment streamlines audio system creation, tuning and deployment. Combined with the platform's flexible and programmable architecture, it enables customers to rapidly customize and optimize audio solutions across vehicle programs.

With 8 MB of integrated SRAM, SKY4680x devices eliminate the need for external DRAM in supported configurations, helping simplify system design while reducing BOM cost, board space, power consumption and exposure to memory supply volatility.

SKY4680x Key Features

- Available with up to three Cadence® HiFi 5 audio DSP cores and more than 1.2 GHz of total processing capability in the three-core variant
- Customer-programmable Arm® Cortex®-M3 MCU core in some variants
- 8 MB of highly accessible SRAM with ECC
- Supports up to 64 total audio channels (32 input and 32 output) through nine I²S/TDM input ports and nine I²S/TDM output ports
- Hardware sample rate converters enable support for multiple clock domains
- Audio DSP framework, graphical development environment and SDK for third-party IP integration
- 12 mm x 12 mm, 88-pin QFN package

SKY4680x availability
Engineering samples and evaluation boards for the SKY4680x family are available now. To learn more, visit skyworks.com.

Skyworks at Electronica 2026
At Electronica, Skyworks will use the SKY4680x family to transform a two-channel audio source into a multi-channel listening experience. The demonstration will also feature a Skyworks-developed Edge AI siren detection application, extending the company's award-winning AI expertise into automotive applications. Together with support for customer-developed algorithms and application-specific software, the demonstration illustrates how the SKY4680x family can serve as both a high-performance automotive audio DSP and a flexible Edge AI processing platform. Visit Skyworks in Munich at Electronica 2026 in Hall C4, Booth 440.

About Skyworks
Skyworks® is a global leader in high-performance RF, precision timing, power management and mixed-signal solutions that power the intelligent, connected world. Through deep engineering expertise, Skyworks helps customers address rising complexity and deliver seamless connectivity across

smartphones, vehicles, networks and critical infrastructure.
From defense and aerospace systems to the connected edge, AI infrastructure and next-generation automotive platforms, Skyworks provides the essential technologies that connect, synchronize and power physical AI, as intelligence moves out of the data center and into the real world. Harnessing decades of technical leadership and trusted partnerships across the technology ecosystem, Skyworks helps the world's leading innovators bring next-generation products and services to market.

Skyworks is a member of the S&P 500® market index (Nasdaq: SWKS). For more information, please visit www.skyworks.com.

Safe Harbor Statement
Any forward-looking statements contained in this press release are intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. Forward-looking statements include without limitation information relating to future events, results and expectations of Skyworks. Forward-looking statements can often be identified by words such as “anticipates,” “expects,” “forecasts,” “intends,” “believes,” “can,” “could,” “enables,” “plans,” “may,” “will” or “continue,” and similar expressions and variations or negatives of these words. Actual events and/or results may differ materially and adversely from such forward-looking statements as a result of certain risks and uncertainties including, but not limited to, our ability to timely and accurately predict market requirements and evolving industry standards and to identify opportunities in new markets; our ability to develop, manufacture, and market innovative products and avoid product obsolescence; our ability to compete in the marketplace and achieve market acceptance of our products; the level of widespread deployment or adoption of commercial 5G networks, AI and other new technologies; the availability and pricing of third-party semiconductor foundry, assembly and test capacity, raw materials and supplier components, equipment and shipping and logistics services; the quality of our products; our products’ ability to perform under stringent operating conditions; the risks of doing business internationally; the susceptibility of the semiconductor industry and the markets addressed by our, and our customers’, products to economic cycles or changes in economic conditions, including inflation and recession that could result from trade war or trade protection measures; our ability to obtain design wins from customers; our ability to convert design wins into revenue market acceptance of our products and our customers’ products, including market acceptance of new, emerging technologies such as AI; the impacts of the combination with Qorvo on our businesses, including the potential benefits and risks from such combination; legislative, regulatory and economic developments affecting our businesses; general economic and market developments and conditions; the evolving legal, regulatory and tax regimes under which we operate; the timing, rescheduling or cancellation of significant customer orders and our ability, as well as the ability of our customers, to manage inventory; ; a loss of revenue if defense and aerospace contracts are canceled or delayed; and other risks and uncertainties identified in the “Risk Factors” section of Skyworks' most recent Annual Report on Form 10-K (and/or Quarterly Report on Form 10-Q) as filed with the Securities and Exchange Commission (“SEC”). Copies of Skyworks' SEC filings can be obtained, free of charge, on Skyworks' website (www.skyworksinc.com) or at the SEC's website (www.sec.gov). Any forward-looking statements contained in this press release 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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