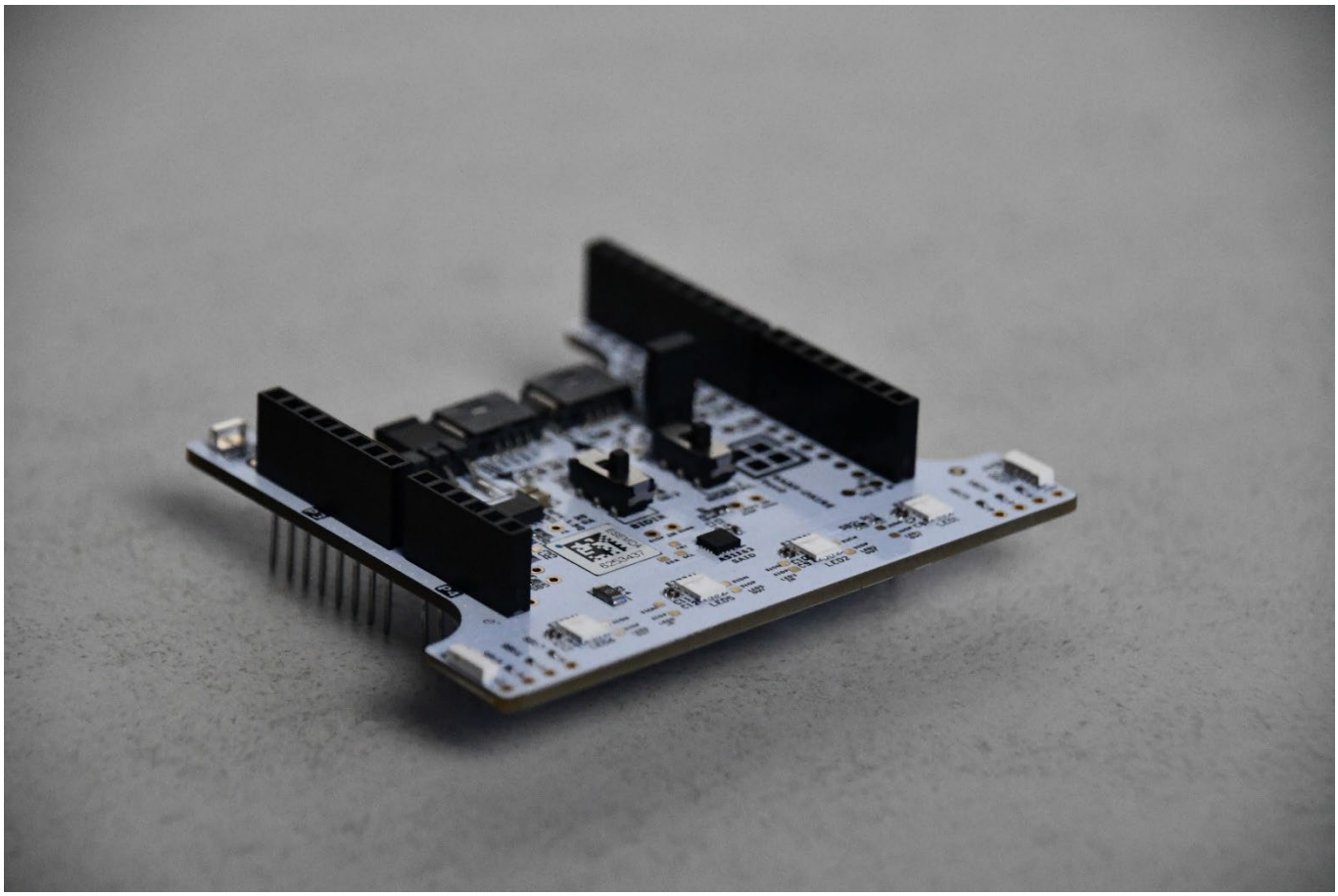
PRESS RELEASE

New Adapter Board RAB5 from Rutronik System Solutions for LED applications in the automotive industry and Industry 4.0



The Rutronik System Solutions Adapter Board RAB5 is designed with a clear focus on high-performance OSIRE® LEDs from ams Osram.

Ispringen, September 18, 2024 – The Rutronik Elektronische Bauelemente GmbH, one of the world's leading distributors of electronic components, presents the new Rutronik System Solutions Adapter Board RAB5. The development board was specifically designed for LED applications in the automotive industry and Industry 4.0. With the Adapter Board RAB5, the experts from Rutronik's research and development department rely on high-performance LEDs from the OSIRE® series by ams Osram.

The market for LEDs encompasses a wide range of applications, from interior lighting in vehicles to various industrial applications. In the automotive sector, LEDs are crucial for enhancing the aesthetics and functionality of the interior. Industrial applications are equally diverse, including the so-called smart factory, automated production lines, and intelligent lighting systems that adapt in real-time. High-performance LEDs play a key role in creating efficient, adaptive, and sustainable manufacturing environments.

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Advanced LED applications: With ams Osram OSIRE LEDs

The Adapter Board RAB5 from Rutronik System Solutions relies on LEDs from the OSIRE® series by ams Osram as a central component. These LEDs are designed for dynamic ambient lighting and offer individually addressable chips for maximum flexibility in color and driver selection. The user-friendly GUI from ams Osram also allows for easy programming of each LED. The intelligent LEDs can be individually programmed, offering unparalleled customization and control options. Thanks to integrated algorithms and a built-in temperature sensor, the high quality of the LEDs is maintained without temperature influence. Impressively, up to 1,000 LEDs can be connected to a single bus, ensuring scalability for various applications.

A development environment for countless automotive and industrial applications

Thanks to the Arduino interface, the adapter board can also be easily combined with other base boards and adapter boards from Rutronik System Solutions. The modular concept allows for a variety of approaches to quickly, cost-effectively, and easily realize development projects that are still technically sophisticated.

For example, the combination of the Adapter Board RAB5 with the Base Board RDK4 is particularly promising for motor control applications. The automotive microcontroller PSoC™ 4100S Max from Infineon, integrated on the Rutronik System Solutions Base Board RDK4, with a cost-effective Arm® Cortex®-M0+ core, enables seamless integration and advanced control capabilities. The combination of the boards leverages the strengths of both and provides a comprehensive platform for the development and testing of automotive applications.

For more information about the Adapter Board RAB5 and application examples from Rutronik System Solutions, please visit www.rutronik.com.

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ABOUT RUTRONIK

Rutronik Elektronische Bauelemente GmbH was founded in 1973 and for more than five decades the independent family-owned company based in Ispringen (Germany) stands for sustainable growth with a focus on high-growth future markets. In the fiscal year 2023, its around 1,900 employees generated sales of 1.24 billion euros, serving more than 40,000 customers.

With more than 80 offices worldwide and logistics centers in Austin (Texas), Shanghai, Singapore, and Hong Kong, Rutronik ensures comprehensive customer support in Europe, Asia, and North America. The company focuses on high-growth future markets that will shape the world of electronics tomorrow. These are Advanced Materials, Advanced Measurement, Processing & Analytics, Advanced Robotics, Automation, Biotechnology, Energy & Power, Future Mobility, IIoT & Internet of Everything, Industry 4.0, Medical & Healthcare, and Transportation, Logistics & Supply Chain.

To serve customers in these future markets, the RUTRONIK AUTOMOTIVE, RUTRONIK EMBEDDED, RUTRONIK IT ELECTRONICS, RUTRONIK POWER, RUTRONIK SMART, and RUTRONIK SYSTEM SOLUTIONS initiatives bundle expertise, specific product portfolios, and consultancy support. In this regard, Rutronik relies on customized solutions that are tailored to the respective needs. The services range from competent technical support in product development and Design-Ins, through the diverse product portfolio of leading manufacturers, to the company's software and hardware solutions with partly patented Rutronik IP.

Customized logistics systems, reliable supply chain management, and logistics centers worldwide ensure on-time delivery. The Rutronik24 e-commerce platform completes Rutronik's range of services.

Further information is available at www.rutronik.com. The new corporate film also provides exclusive insights into the history and development of Rutronik.