

AUTOMOTIVE LIGHTING FEATURE

Automotive Lighting: A Building Block of Autonomous Driving

Yole's analysts propose a new technology and market report dedicated to the automotive lighting industry and innovations. The Advanced Front-Lighting Systems report is offering a comprehensive overview of the overall ecosystem, highlighting the latest technical innovations and the market evolution.

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AUTOMOTIVE IMAGING NEWS

Automobile Performance Testing System Equipped with High-speed Cameras from Mikrotron

Mikrotron EoSens cameras, featuring a fanless, shock- and vibration-proof design within a robust metal housing, proved up to the task, achieving long-term stability over hundreds of tests.

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Dev Kit Weekly: Renesas EK-RA6M3G Graphics Evaluation Kit

Learn about the Renesas EK-RA6M3G Graphics Evaluation Kit based on the new Arm-based Renesas RA family of MCUs, then register to win one of SEVEN kits for free from Avnet and Renesas!

Sponsored by **Avnet and Renesas**

Miniature Power Supply: Infineon's First Flip-Chip Production Designed for Automotive Applications

With flip-chip technology, the ICs are installed upside down in the package. With the heated part of the IC facing the bottom of the package and being closer to the PCB, thermal inductance can be improved by a factor between 2 and 3.

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AUTOMOTIVE IMAGING NEWS

Allied Vision Introduces Alvium USB3 Vision Camera with NIR Sensitivity

The combination of small size, light weight, low power consumption, and NIR sensitivity makes the Alvium 1800 U-501 NIR an ideal choice for surveillance and security applications, especially with low light conditions.

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AUTOMOTIVE LIGHTING NEWS

ON Semiconductor Launches Automotive LED Drivers and Controllers for Advanced Vehicle Lighting Applications

In the pursuit of improved road safety, automakers are moving away from the simple ?on/off? operation to sophisticated systems that incorporate movement and variable intensity within rear combination lamps.

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AUTOMOTIVE NETWORKING NEWS

FAULHABER Announces Drive Selection Tool for Calculating Drive Systems Online

Speed and torque are two parameters used to determine the appropriate solution, then a list with the most important parameters shows the choices calculated. To further reduce choices, you can use a filter until the most suitable drive solutions are found.

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BODY ELECTRONICS NEWS

NeoPhotonics Samples Semiconductor Optical Amplifiers and Narrow Linewidth Lasers for Coherent Lidar Transceivers

Next generation Lidar systems will use ?coherent? technology to increase the range and sensitivity by measuring the phase of the reflected light.

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AUTOMOTIVE DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS

Septentrio and Analog Devices Collaborate to Create Top-Performance GNSS/INS Solutions

Septentrio will incorporate Analog Devices' advanced industrial-grade IMUs into a selection of its GNSS/INS products. Working directly with Analog

Devices allows Septentrio to provide faster and more efficient GNSS/INS integration solutions for high-volume customers.

[Read more](#)

WEBCAST

New Innovative TM-PIM Solving Reliability and Robustness Issues in Industrial Drives

Sponsored by: **ON Semiconductor**

Date: **March 12 2:00 p.m. ET**

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AUTOMOTIVE ADAS FEATURE

Advanced Embedded Systems Drive Next-Generation Automotive Applications

Not only does tomorrow's car need to be smart, it has to integrate a large number of sensors and the flood of data they provide. In order to develop the awareness needed for functions like ADAS, the vehicle systems must deal with in-bound camera, radar, and LIDAR data to help cars see and adapt to the world around them.

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