

10-11/19

Editorial Preview

AUTOMOBIL-ELEKTRONIK in October:

- Trade shows
- Markets + Technologies
- Electronics production
- Electromechanics
- Sensors + Actuators

Hüthig Electronics Media Group

Advertising deadline:
September 13, 2019

Publication date:
October 9, 2019



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Hüthig GmbH
Im Weiher 10
D-69121 Heidelberg

Tel.: +49 6221 489-232
Fax: +49 6221 489-482
www.all-electronics.de

Cover interview

AUTOMOBIL-ELEKTRONIK talked to a decision-maker from a major automotive supplier about the key issues currently facing the automotive industry.

Markets + Technologies

Automotive storage market

The latest cars are hungry not just for computing power but for storage space, too. The article gives a detailed insight into the current automotive storage market and describes emerging technologies and trends.

Trade shows

IAA report

The editorial team once again went to Frankfurt Motor Show in 2019. In issue 10-11/2019 we report on our key impressions as well as new products on the supplier side. Technologies for autonomous driving and electric mobility are likely to be the central themes here.

The Autonomous

Autonomous mobility is moving closer and closer to reality, but safety concerns are seen as the main hurdle to achieving widespread acceptance. The Auton-

omous will address these challenges in Vienna on 5 September. The editorial staff will be on site and to report.

Electronics production

Quality Protection as a Service

In the midst of a wave of automotive investment and technological breakthroughs, cars are demanding rigorous protection and uncompromising performance to realize their full potential, especially with regard to the semiconductor devices they use. The answer is QPaaS – Quality Protection as a Service. The approach is based on advanced analytics and machine learning to continuously monitor component functionality, relying on integrated data sources from suppliers.

Optical display testing

When it comes to screens in cars, consumers have now come to expect the very high image quality to be found in smartphones and tablets. The tests commonly used in consumer electronics in development, production and quality assurance should therefore also be applied in the automotive industry. However, the procedures that have been applied to date and the use of simple image processing cameras often do not do justice to the task at hand.

Electromechanics

Standard for fuses

The Automotive Electronics Council (AEC) plans to publish the automotive standard for fuses before the end of this year – closing an important gap



in the AEC-Q200 qualification process. One enormous benefit for development engineers: they no longer have to resort to industrial fuses or check service life requirements with individual manufacturers. But are the specific fuse requirements that apply in the automotive industry?

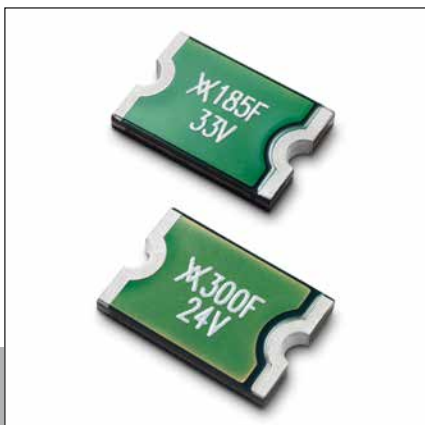
Test systems for PXI Express

Autonomous driving is a particular challenge for the system architecture and mechanics of test systems. Using the application example of a PXI-Express system, the article deals in detail with these challenges and highlights not only the system architecture but also the backplane, cooling, power supply, monitoring and mechanics.

Sensors + Actuators

Accurate positioning

Advanced ADAS systems rely on the provision of precisely tracked positioning data. The article shows how exactly this can be achieved using a multi-band RTKGNSS receiver module with integrated inertial sensors. Equipped with the latest GNSS receiver technology, the module has algorithms for signal processing as well as correction services with which positioning can be achieved to the nearest decimeter within seconds.



EDITORIAL PREVIEW



Advertising formats

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1/3 page	56 mm x 257 mm /178 mm x 83 mm	€ 1,500.00	€ 2,345.00
1/4 page	41 mm x 257 mm /178 mm x 62 mm	€ 1,100.00	€ 1,700.00

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Contact Persons

Advertising manager:
Frank Henning
Tel. +49 6221 489-363
frank.henning@huethig.de

Publishers

Hüthig GmbH
Im Weiher 10
D-69121 Heidelberg
Tel. +49 6221 489-232
Fax +49 6221 489-482
www.all-electronics.de

Sales Force

Austria, Great Britain, Ireland, USA, Canada
Marion Taylor-Hauser
Max-Böhm-Ring 3
D-95488 Eckersdorf
Tel. +49 921 31663
Fax +49 921 32875
taylor.m@t-online.de

Switzerland, Liechtenstein

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CH-8268 Salenstein
Tel. +41 71 55202-12
Fax +41 71 55202-10
kh@interpress-media.ch

Greater China, Thailand, Phillipines, Indonesia and Vietnam

Judy Wang
Room 601, Unit 1,
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XiBaHeDongLi,
ChaoYang District,
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