

## EMBEDDED INSIDERS PODCAST

### Crossing the Wide-Bandgap in the Electric Vehicle Market

In the early 2000s GM stopped their electric car project. They weren't cool. In comes Tesla who made the electric car a popular concept. But is the "cool" factor the biggest factor in electric car sales these days? Are electric cars actually better for the environment, and do the majority of buyers really care? Brandon and Rich debate the subject and more in this edition of the embedded insiders.

[Tune In](#)



## AUTOMOTIVE NETWORKING NEWS

### MIPI Alliance Releases A-PHY SerDes Interface for Automotive

MIPI Alliance announced the availability of MIPI A-PHY v1.0, which according to the company is the first industry-standard, long-reach serializer-deserializer (SerDes) physical layer interface.

[Read more](#)

## AUTONOMOUS VEHICLES NEWS

### Siemens and VSI Labs Partner to Advance Autonomous Vehicle Development

Through the partnership, Siemens' PAVE360 platform will be used to create digital twin simulations for the validation and testing of all processors, electronics, sensors, and systems powering the VSI Labs Capability

Demonstrator.

[Read more](#)

#### AUTOMOTIVE SIGNAL PROCESSING NEWS

### **TDK Announces New Automotive Noise Suppression Filters for MF and HF Bands**

The noise suppression component will be inserted in signal lines for electronic control circuits in automotive applications including car audio, navigation, and battery monitoring systems.

[Read more](#)

#### AUTOMOTIVE HARDWARE NEWS

### **Vishay Intertechnology Automotive Grade DC-Link Film Capacitors Deliver Stable Capacitance and ESR in Harsh Environments**

The Vishay Roederstein MKP1848H DC-Link is Vishay's first series of AEC-Q200 qualified DC-Link film capacitors to withstand temperature humidity bias (THB) testing.

[Read more](#)

#### AUTOMOTIVE IMAGING NEWS

### **OmniVision and GEO Semi Launch Automotive Industry's First Viewing Camera Solution with 140dB HDR and LED Flicker Mitigation**

OmniVision and GEO Semiconductor announced a joint solution to provide quality images for rear-view cameras (RVCs), surround-view systems (SVS), and e-mirrors.

[Read more](#)

#### AUTOMOTIVE PROCESSING NEWS

### **Synopsys and Elektrobit Announce Availability of EB tresos Classic AUTOSAR Software for ARC Functional Safety Processor IP**

This version of the EB tresos AUTOSAR software used with the ARC Functional Safety processors provides a hardware-software platform that makes it ideal for automotive semiconductor companies, OEMs, and Tier 1 suppliers to develop software applications based on the AUTOSAR standard.

[Read more](#)

#### WEBCAST

Deployed at the Edge: Telemetry and Video Analytics in Industry 4.0

Sponsored by: **Intel IoT Solutions Alliance**

Date: **September 29, 11:00 a.m. ET**

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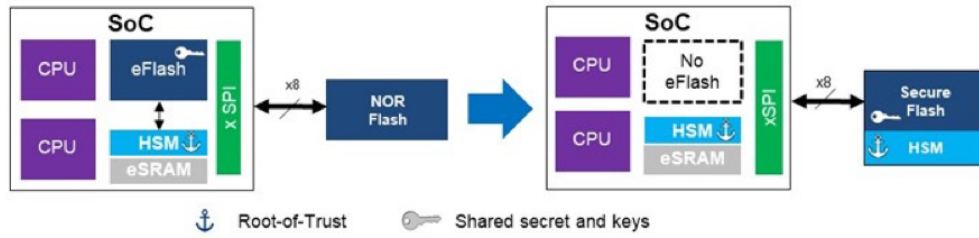
#### AUTOMOTIVE CYBERSECURITY FEATURE

### **Secure Flash: The Cure for Insecurity in Connected Automotive Applications**

The Subaru 2020 Levorg mid-size touring wagon was made available for pre-order last month and introduced a range of features such as a new 1.8-liter, four-cylinder engine and continuously variable automatic transmission (CVT). But perhaps the most exciting feature is on the safety front, as the car is the

first in the Subaru fleet to contain the company's next-generation EyeSight ADAS technology.

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*Figure 1 – The dis-integration of eFlash will create the need to somehow extend the Hardware Security Module (HSM) functionality to secure the external Flash.*

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