



## The sustainability roadmap of electric vehicles



As the new-energy vehicle industry continues to develop, more and more families are switching to electric vehicles. Considering their lower carbon emissions and lower running costs, it is an easy choice.

[Learn more](#)



## Navigate 2023 with these chip supply insights

By Avnet CEO Phil Gallagher

I'm excited about the outlook for Avnet and the semiconductor industry overall. While we can't control the market, we are determined to help our customers and supplier partners compete well within it.

[Learn more](#)

## Where we're going, we don't need roads

Land mobility infrastructure is expensive to build and to maintain. Road congestion isn't just bad for the environment, it's bad for commerce and our general well-being.

[Learn more](#)



## 2023 Co-creation of Smart Mobility Future

Named "2023 Co-creation of Smart Mobility Future", this inaugural Avnet event and gathered 550 guests to listen in on the future of electric vehicles: the industry trends, current challenges and future business opportunities in terms of the current situation of the electric vehicle market, technology development, and product planning.

[Watch Video](#)

## Solutions



### onsemi NCP1680

Achieve high efficiency without the extra cost

The NCP1680 is a Critical Conduction Mode (CrM) Power Factor Correction (PFC) controller IC designed to drive the bridgeless totem-pole PFC topology.

[Learn more](#)



## MKP1848SE DC-Link Film Capacitor

Low Building Height Metallized Polypropylene Capacitor, THB and Automotive Grade



## Events

- ▶ Unlocking Industry 4.0 Potential with Infineon's Newest XMC™ MCU Platform
- ▶ Solving Software & Cybersecurity Challenges for robust Smart Camera Applications on Xilinx Kria SOMs
- ▶ Factors Leading to Connector Failure, Sealed Connector & Heat Shrink Tubing Solutions

## Sustainable technology - e-Mobility

Avnet together with the leading suppliers bring you the best sustainable technology, e-mobility products.



**Amphenol**  
Ve-NET™



**ams OSRAM**  
OSRAM OSOLON®  
Compact PL, KW  
CELM2.TK



**Belfuse**  
Bel power solutions  
e-Mobility product



**Bourns**  
Unveils high current  
shielded power  
inductors



**Microchip**  
SAMA7G54



**Molex**  
High-power  
1.00mm floating  
board-to-board  
connectors for EVs



**MPS**  
MPQ4316A - 45V,  
6A, Low-IQ



**Murata**  
Heat-resistant  
micro batteries



**onsemi**  
EliteSiC products  
for E-Mobility



**Panasonic**  
PhotoMOS®  
Relays



**Rohm**  
Compact intelligent  
low side switches



**STMicroelectronics**  
ASM330LHHTR  
MEMS sensor



**Taiyo Yuden**  
MLCC / Inductors /  
hybrid aluminum  
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