

EVs and the Quest for Electromagnetic Compatibility



Automated assembly lines in factories perform complex tasks that involve precise signal transmission and wireless communications. When lightning strikes, it can generate electromagnetic interference (EMI) via electromagnetic waves that spread to the inside of the factory.

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Digital interfaces are driving data in the automotive sector

The software-defined vehicle is fast becoming a reality. Engineers continue to explore the dramatic rise of in-vehicle networking and how it evolves to meet automotive industry demand.

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A primer: Understand the importance of EMI and EMC in EVs

In our world of high-speed connectivity and wireless communication, the importance of electromagnetic compatibility (EMC) has never been stronger.

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EV- Electromagnetic compatibility

Avnet together with the leading suppliers bring you the best EV - electromagnetic compatibility products.



Amphenol
HSBridge+
connector system



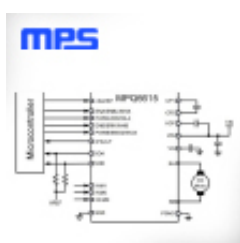
Belfuse
on board charger /
converter / inverter



Bourns
SRP series shielded
metal alloy power
inductor



Diodes
AH171xQ series



MPS
MPQ6615-AEC1
motor driver



Murata
BLM31/21/18_SH1
series BLE series



Rohm
4th Generation
SiC MOSFET



Samtec
HIGH-SPEED
ARRAYS



Sumida
inductor/transformer/
common mode choke



Taiyo Yuden
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electrolytic cap



TDK
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