



The Race to the Next Generation of EVs



In the age of combustion engines, we marveled at roaring exhausts and intricate mechanical wizardry. But as the world shifts gears and enters the era of e-mobility, the heart of a vehicle is no longer its engine. Today, it is the intersection of data streams, algorithms, and electric currents.

[Learn more](#)



NXP E-mobility gateway solution based on S32G399A

The S32G3 processors address processing needs with up to four lockstep pair of Arm® Cortex®-M7 microcontroller cores and up to eight Cortex-A53 application cores (which can be optionally cluster lockstep for four pairs) and increasing the frequency by 30% to 1.3 GHz. [Learn more](#)

Solutions



Smart cockpit solution based on the Infineon automotive WiFi 6/6E and TRAVEO™ T2G automotive MCU

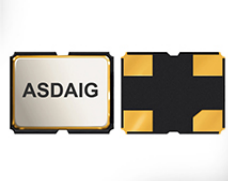
The smart cockpit has not only changed the internal layout of automobiles, but propelled the automotive industry into a broad transition towards electric, network-connected, and intelligent vehicles. [Learn more](#)

E-mobility - Data networks in EV

Avnet together with the leading suppliers bring you the best E-mobility - data networks products.



AAEON
AAEON's embedded platforms for the future of e-mobility



Abracon
Abracon AIG series continuous Voltage® oscillators



Amphenol
FloatCombo™ 0.50mm floating board-to-board connectors



Belfuse
MagJack (Ethernet ICMs)



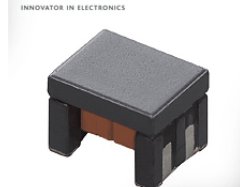
Bourns
E-mobility's efficient future



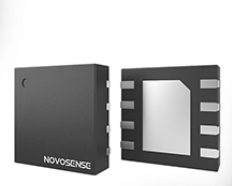
Molex
Stac64 connectors



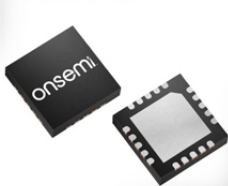
MPS
Intelli-Phase™ solution MPQ2946 and MPQ86760



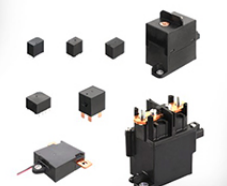
Murata
Common mode choke coil DLW 32 series



Novosense
NCA1462-Q1



onsemi
T30HM1TS2500



Panasonic
Relays for e-mobility applications



Rohm
CAN FD transceiver for automotive (BD41044FJ-C)



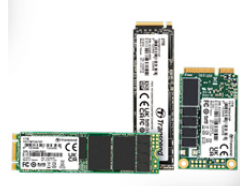
Samtec
Edge Rate® rugged, high-speed connector strips



STMicroelectronics
GNSS modules



Toshiba
Automotive standard digital isolators compliant with AEC-Q100



Transcend
MTE712P PCIe SSD



Vishay
IHLE® inductor

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