

/ Avnet Asia Connect

Nov 2022

The Development of EV Charging Infrastructure and Technology



Electric vehicle (EV) charging infrastructure, often referred to as electric vehicle supply equipment (EVSE), is at the core of the EV ecosystem.

[Learn more](#)

power
integrations®



Power Integrations

Automotive InnoSwitch3-AQ 1700 V SiC

Power Integrations' InnoSwitch3-AQ family is the industry's first automotive-qualified high-voltage switcher ICs with 1700 V SiC MOSFET.

[Learn more](#)

onsemi



SiC Solutions for EV Charging

Technology developed by onsemi is defining the global EV charging infrastructure. Advanced discrete and modular solutions enable traction inverters to generate higher levels of torque. Efficiency here extends the range of the vehicle and the lifetime of the electrical drive train.

[Learn more](#)



Improved performance and efficiency in Electric Vehicle traction applications with SiC

The SiC is the main traction inverter for Battery Electric Vehicle, Plug-in Hybrid Vehicles, Full Hybrid Vehicles, and is based on the NCD57001 driver.

[Learn more](#)

SCHURTER
ELECTRONIC COMPONENTS



Events

- [Infineon IoT, Smart Home, Telecom Solutions Campaign - Evaluation Boards Giveaway](#)
- [AMD-Xilinx Space 2.0 Webinar On-Demand](#)
- [TE Connectivity Sensing and Connectivity Webinar: The Keys to intelligent building design](#)

Automotive - EV Charging / charging technology & Infrastructure

Avnet together with the leading suppliers bring you the best EV Charging / charging technology & Infrastructure products.

Amphenol®



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PwrBlade+CoolPower
EV Barklip

ams OSRAM



ams OSRAM
AS8510 analog
front - end

bel



Belfuse
Fuse

Bourns®



Bourns
TBU® High-Speed
protectors (HSPs)

ECS INC



ECS
ECX-1637
SMD crystal

Microchip



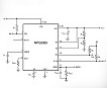
Microchip
AUTOSAR-ready
dsPIC33C digital
signal controllers

molex



Molex
ConnTAK50
connector system

MPS



MPS
MPQ5069-AEC1

muRata



Murata
HPHF transformer--
for DC charge pile

NXP



NXP
EV wireless charger
application

Panasonic



Panasonic
AQV258H5 series

ROHM



Rohm
New 4th Gen 650V
fast recovery diodes

Samtec



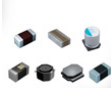
Samtec
PowerStrip™
high-power system

STMicroelectronics



STMicroelectronics
SCTWA30N120

TAIYO YUDEN



Taiyo Yuden
MLCC / Inductors /
Hybrid aluminum
electrolytic CAP

TDK



TDK
High voltage
contactor

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