

Driving the Future with Automotive-Grade Power MOSFETs from 40V to 100V

AEC-Q101 Qualified MOSFETs



Features

- AEC-Q101 qualified
- Trench MOSFET & split-gate trench MOSFET technology
- Low RDS(on) minimizes conduction losses
- Low capacitance reduces driver losses
- Excellent packages for heat dissipation
- Available in two compact package sizes: DFN5060 and DFN3333



Benefits

These MCC N-channel and P-channel power MOSFETs are designed to provide excellent heat dissipation, making them ideal for harsh Automotive conditions.

With optimized gate charges, our new MOSFETs enable fast switching, minimize power losses, and improve overall system efficiency.

Applications



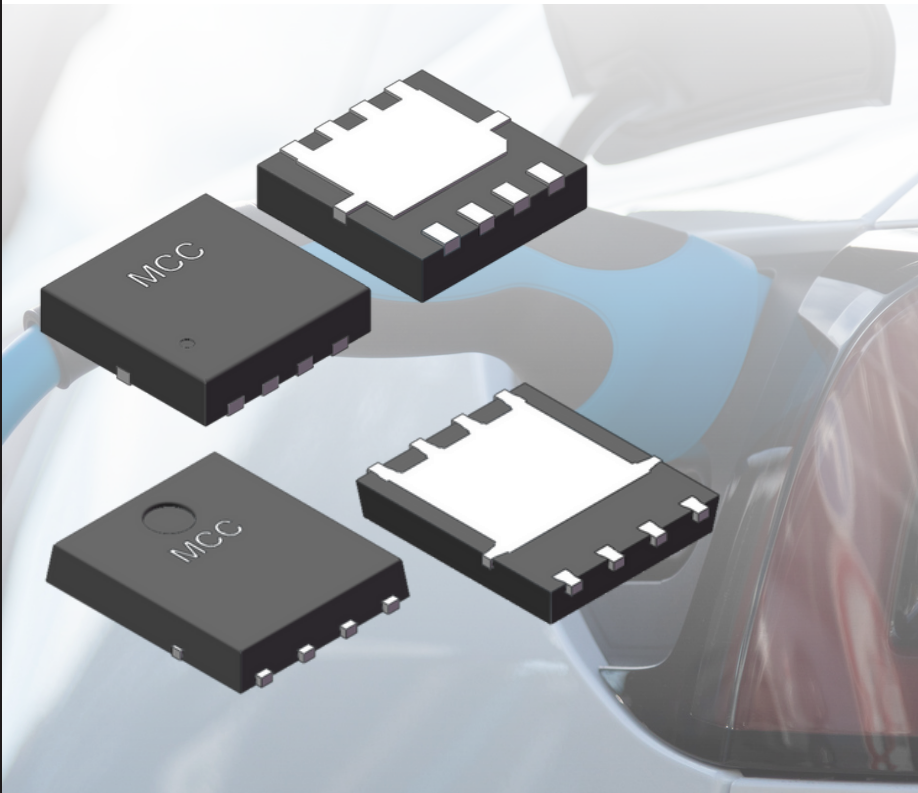
Battery charging



Motor controls



Automotive lighting



MCC'S AEC-Q101 QUALIFIED MOSFETs IN DFN PACKAGES ENSURE EFFICIENCY & RELIABILITY

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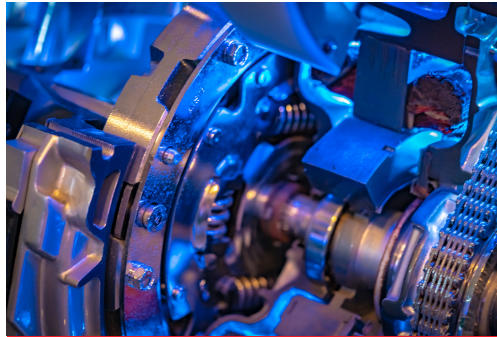
Parametrics & Datasheets:

Product	TYPE	Package	Drain-Source Voltage (VDS)	Current-Continuous Drain (ID) @25C	Mounting Type	Data Sheet
MCG30N04HE3-TP	N-channel MOSFET	DFN3333	40V	30A	Surface-Mount (SMD)	Info
MCG35N04HE3-TP	N-channel MOSFET	DFN3333	40V	35A	Surface-Mount (SMD)	Info
MCG40N10YHE3-TP	N-channel MOSFET	DFN3333	100V	40A	Surface-Mount (SMD)	Info
MCAC80P06YHE3-TP	P-channel MOSFET	DFN5060	60V	80A	Surface-Mount (SMD)	Info
MCG15P10YHE3-TP	P-channel MOSFET	DFN3333	100V	15A	Surface-Mount (SMD)	Info

Applications:



Automotive



Industrial

- Battery charging
- Battery management systems (BMS)
- Automotive lighting
- Electric power steering (EPS)
- Motor drives
- DC-DC converters

- DC-DC converters
- High voltage protection
- Motor controls

CONTACT MCC TO REQUEST A SAMPLE

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