Micro Commercial Components

Meet MCC's 40V and 60V Auto-Grade MOSFETs with Side-Wettable Flanks

40V and 60V MOSFETs

Features

- AEC-Q101 qualified
- P-channel powered by trench low voltage (LV) technology
- N-channel powered by split-gate trench (SGT) technology
- Low RDS(on)
- Side-wettable flanks ensure soldering stability
- Automated optical inspection capability for cost-effective production
- Compact yet high power density DFN3333 package

Benefits

Side-wettable flanks facilitate automated optical inspection (AOI) in PCB assembly, ensuring heightened reliability of solder joints. This enhancement drives performance and longevity, ultimately boosting quality assurance.

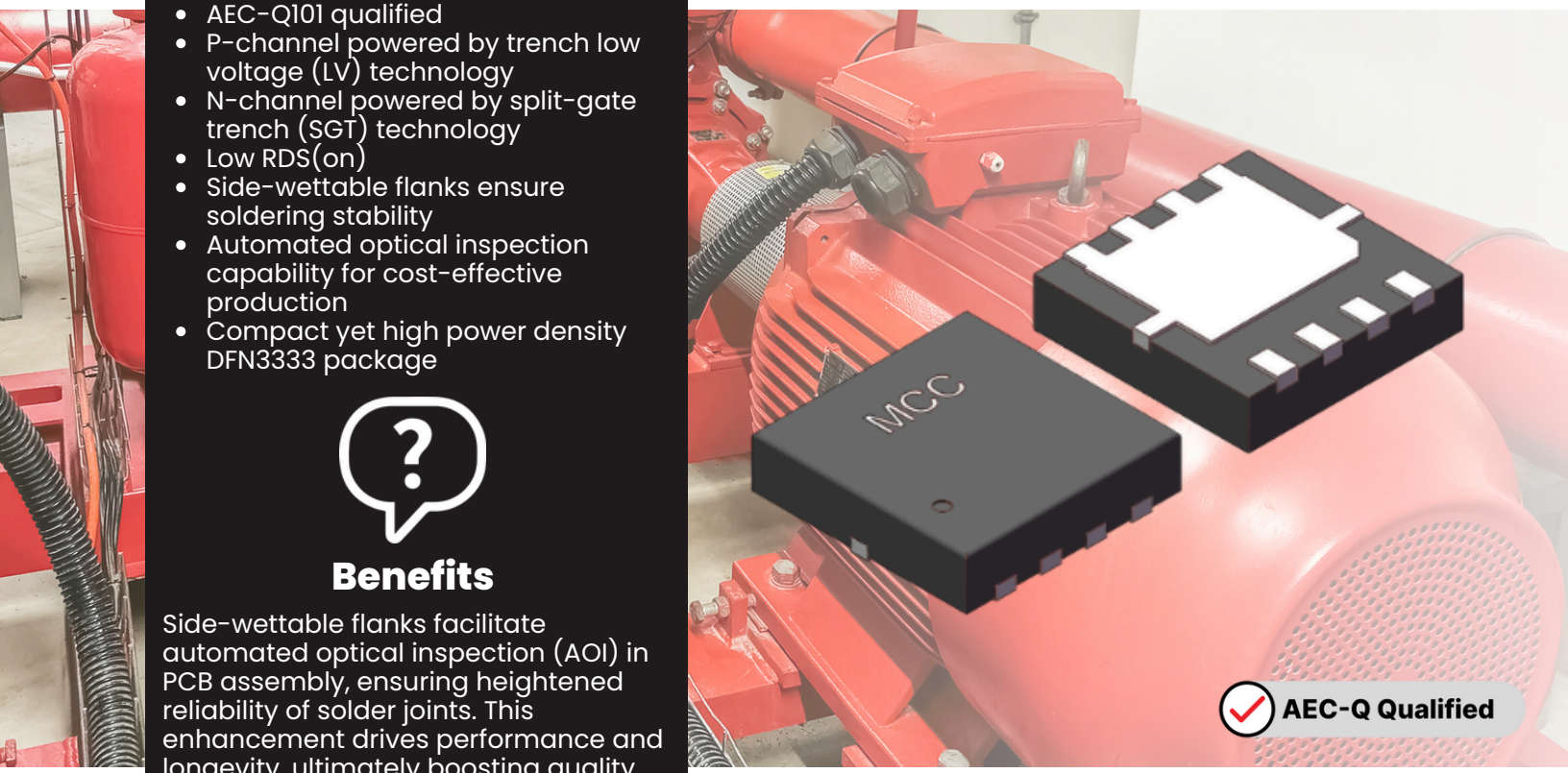
P-channel MOSFETs leverage trench LV technology and our N-channel options utilize SGT technology to deliver efficient power management and optimized performance.

Applications

Efficient Battery Protection

Optimal Motor Drive

Increased Energy Efficiency



Boost Quality and Efficiency with Automated Optical Inspection Capability

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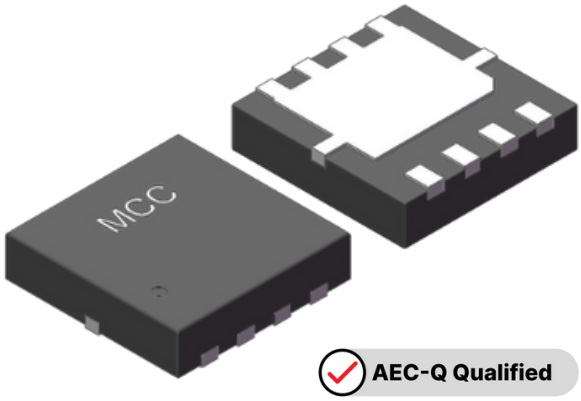

AEC-Q Qualified

Parametrics & Datasheets:

Product	TYPE	Package	Drain-Source Voltage VDS	Drain-Source On-Resistance RDS(on) Max @VGS=10V	Mounting Type	Datasheet
MCGWF20P06YHE3	P-Channel Power MOSFET	DFN3333-8(SWF)	-60V	26Ω	Surface-mount (SMD)	Info
MCGWF45P04HE3	P-Channel Power MOSFET	DFN3333-8(SWF)	-40V	13Ω	Surface-mount (SMD)	Info
MCGWF60N04YHE3	N-Channel Power MOSFET	DFN3333-8(SWF)	40V	3.9mΩ	Surface-mount (SMD)	Info
MCGWF60N06YHE3	N-Channel Power MOSFET	DFN3333-8(SWF)	60V	6Ω	Surface-mount (SMD)	Info

Applications:

Battery Management Systems & DC-DC Converters

- Efficient battery protection mechanisms
- Enhanced performance in battery monitoring systems
- High-efficiency power conversion capabilities
- Reliable power supply solutions for various applications

Seat Controls, Electric Water Pumps & Motor Drives

- Optimal motor drive solutions for automotive systems
- Improved motor performance and longevity
- Effective solutions for seat controls and electric water applications

Lighting Control Systems & Load Switches

- Seamless integration for high-side or low-side switching applications
- Enhanced safety features in automotive circuitry
- Precision control for automotive lighting applications
- Increased energy efficiency in lighting designs

CONTACT MCC TO REQUEST A SAMPLE

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