

Protect High-Speed Interfaces with MCC's Auto-Grade 5V ESD Diode

AEC-Q101 QUALIFIED 5V ESD PROTECTION



Features

- Low capacitance 0.3pF preserves signal integrity
- Low clamping voltage of 10V provides effective protection
- AEC-Q101 qualification ensures reliability in automotive applications
- Meets IEC standards for ESD (IEC 61000-4-2) and lightning (IEC 6100-4-5)



Benefits

Integrated dual bidirectional ESD protection ensures both data lines are safer from harmful ESD events.

Side-wettable flanks facilitate automated optical inspection (AOI) capabilities to improve solder joint quality and alignment.

Applications



Automotive



USB 3.0



HDMI



Boost Reliability with Low Capacitance and Side Wettable Flanks

Compact & Powerful DFN-1110-3 Package



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Reverse Working Voltage VRWM	Junction Capacitance (Typical) CJ	Number of Functions	Datasheet
ESDULC5V0PUBWFHE3	ESD Protection Device	DFN-1110-3	5V	0.3pF	2	Info

Applications:



Automotive

- High-speed interfaces
- Control units
- Communication modules



USB 2.0

- Auto infotainment system interfaces
- Data transmission in vehicles



USB 3.0

- Interfaces in automotive connectivity solutions
- High-speed automotive data transfers



HDMI

- HDMI interfaces in automotive multimedia systems
- High-definition audio and video signals in auto applications

CONTACT MCC TO REQUEST A SAMPLE

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