

Marketing Bulletin



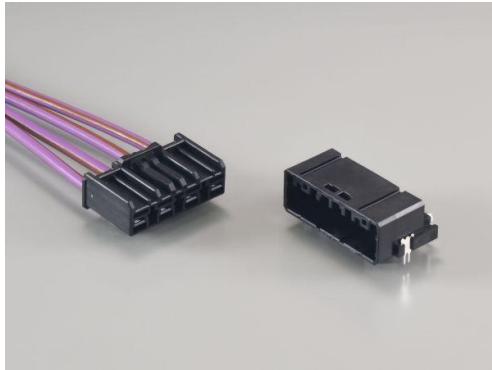
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MB - 499

JAE Electronics, Inc. · 142 Technology Drive #100 Irvine, CA 92618 · Ph. (949) 753-2600 · www.jae.com

New Product Release:

MX81D Series Compact Automotive Connector with 2.8 mm Size Terminals



JAE has developed the MX81D Series, a high-current wire-to-board connector designed for modern automotive ECUs that require higher power. Unlike conventional connectors, the MX81D Series features a 2.8 mm terminal tab size and supports wires up to 4.0 mm², making it ideal for demanding applications.

The MX81D Series is tested to USCAR-2 and USCAR-21 standards and delivers up to 25A per pin with an operating voltage of 320V AC/DC based on IEC 60664-1. Its design includes a retainer mechanism that detects incomplete terminal insertion during harness assembly, ensuring reliability and safety. Future plans include expanding variations in the number of positions and additional features.

These connectors are ideal for power supply in various automotive ECUs including general vehicle lighting, power steering, heaters, audio, BMS, motor drives, overhead units, autonomous driving systems, and more.

For more information, please click here: [MX81D Series](#)

| | |
|-----------------------------|---|
| Number of Contacts | 4 positions (2 position variant in development) |
| Operating Temperature Range | -40°C to +125°C |
| Applicable Wire | 1.5~4.0 mm ² nominal cross-section Cable types recommended: FLRYW-B |

| | | | |
|---------------------------------|------------|--|----------------|
| Rated Current | | Contact Only | 4 pos. |
| | Wire Size | 1.5 mm ² 4.0 mm ² | 18.5A 29.0A |
| Vibration Classification | USCAR-2 V2 | | |
| Compatible Standard | IEC60664-1 | | |

If you have any questions regarding this matter, please contact your JAE account manager.

Thank you for your cooperation.

