

MEGA-FIT WIRE-TO-BOARD, WIRE-TO-WIRE CONNECTORS

Adding a new test plug header option to Mega-Fit connectors with built-in pogo pin technology to help prevent connector damage during testing. This feature allows customers to conduct more time-efficient testing of electrical connections to determine precise measurements, verify functionality and ensure performance integrity. Mega-Fit connectors with test plugs provide easy access points that help engineers safely gauge parameters such as voltage, current, resistance and continuity with less risk of short circuits and terminal impairment. As a result, engineers and technicians can accurately and effectively verify that electrical components are working properly before full-scale production.

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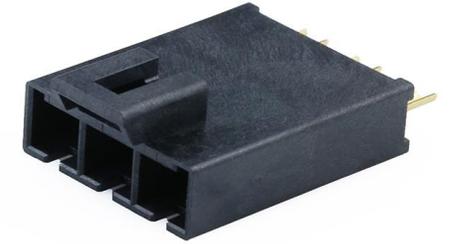


MEGA-FIT WIRE-TO-BOARD, WIRE-TO-WIRE CONNECTORS (TEST PLUGS)

Compact Mega-Fit Connectors overcome design engineers' challenges by offering solution-focused features. Enhanced with test plugs, these connectors are protected from damage during testing, allowing for time and cost efficiencies. Mega-Fit Power Connectors also meet the demand for greater power in a small package for excellent reliability and space savings.

Key Product Information

Category:	Wire-to-Board, Wire-to-Wire Connectors
Current:	30.0A
Pitch:	5.70mm
Operating Temps:	-40 to +150°C



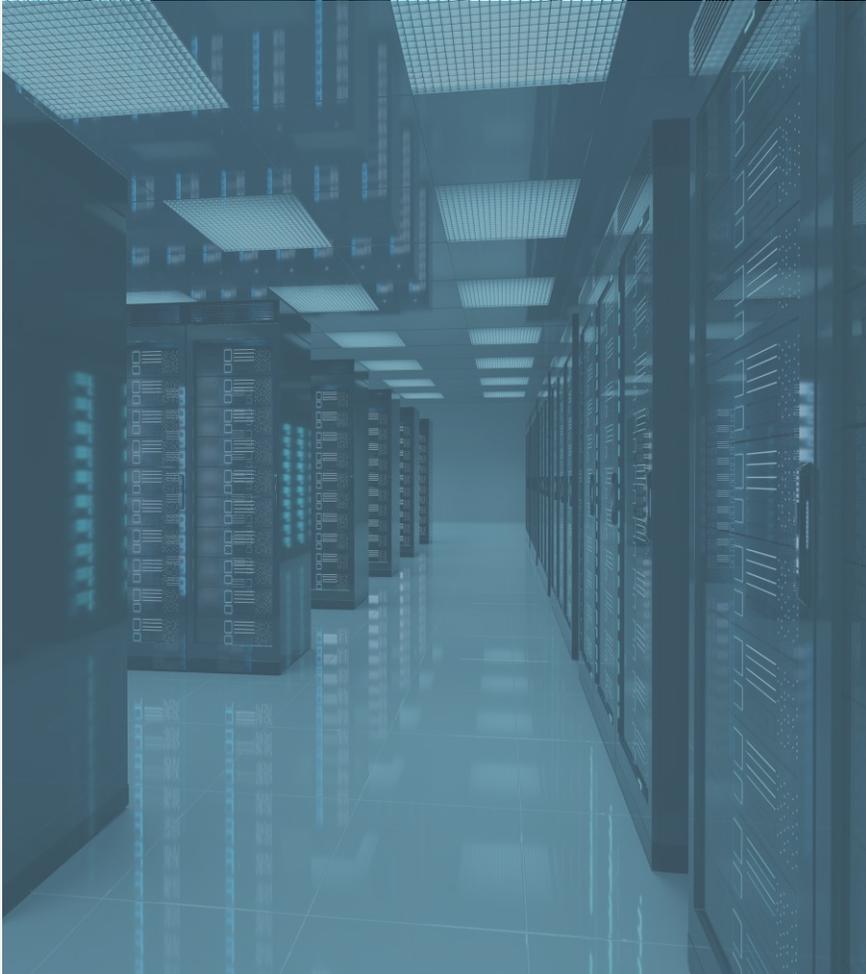
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New Series

- 224744 Mega-Fit Test Plug Assembly, Dual Row
- 224862 Mega-Fit Test Plug Assembly, Single Row

VITAL PRODUCT INFORMATION



Test Plug Header Option

Identifying electrical component issues after full-scale production can lead to high expense, safety issues and product failures. Engineers and technicians need a way to safely and efficiently verify that electrical components are working properly *before* full-scale production occurs. Mega-Fit Power Connector test plug headers facilitate faster and more effective component testing — permitting verification of key parameters such as voltage, current, resistance and continuity with less risk of short circuits or terminal damage.

Built-In Pogo Pin Technology

Also known as spring-loaded pins, pogo pins help ensure consistent contact force between the test plug and connector. This reduces the risk of intermittent connectivity that can lead to signal loss during testing. The spring-loaded mechanism also absorbs shock and vibration to help reduce wear and tear. Mega-Fit Power Connector test plug headers allow customers to buy a single test plug with retractable pogo pins instead of using large volumes of regular connectors for testing.

Fully Protected Headers in a Compact Package

Space constraints are a common challenge in today's industry applications. Glow wire capable Mega-Fit Connectors feature fully isolated headers in a compact size to help enhance design flexibility.

MARKETS AND APPLICATIONS



Refrigerators

Appliances

- Refrigerators
- Washers and dryers
- Heaters
- Heaters and air conditioners
- Lighting fixtures



Infotainment Systems

Automotive

- Interior lighting
- Infotainment systems



Assembly Lines

Industrial Automation

- Food and beverage production
- Assembly line equipment
- Heavy equipment and machinery

MARKETS AND APPLICATIONS



Servers

Power for Data Center

- Hubs
- Servers
- Power supplies
- Power distribution systems



5G Networks

Telecommunications

- 5G networks
- Wireless routers
- Gateways
- Power supplies
- Remote radio



Patient Care Equipment

MedTech

- Patient care equipment
- Healthcare IT

PRODUCT FEATURES AND ADVANTAGES

Prevents damage to standard connectors

The built-in pogo pin technology with a spring-loaded mechanism, absorbs shock and vibration to help reduce connector wear and tear.

Provides a safer alternative for customer testing

The test plugs are specifically designed for testing purposes to help reduce the risk of short circuits.

Facilitates faster and more efficient testing of electrical connections

The test plug header option with built-in pogo pin technology helps save time while improving signal integrity during testing.

Supports cost-effective inventory control

Instead of purchasing high connector sample volumes for testing, customers can instead buy a single test plug with retractable pogo

Provides superior retention

New latch has grip steps to ensure secure mating.

Avoids mis-mating of receptacles to header housings

The connectors are uniquely keyed to reduce the risk of cross-mating.

Meets V0 and Glow Wire European standards

The new housing material is made with a V0/Glow-Wire combination resin.



Key Specifications

Current	30.0A
Circuits	Single row: 2 to 7; Dual row: 2 to 12
Pitch	5.70mm
Operating Temperature	-40 to +150°C



THANK YOU

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