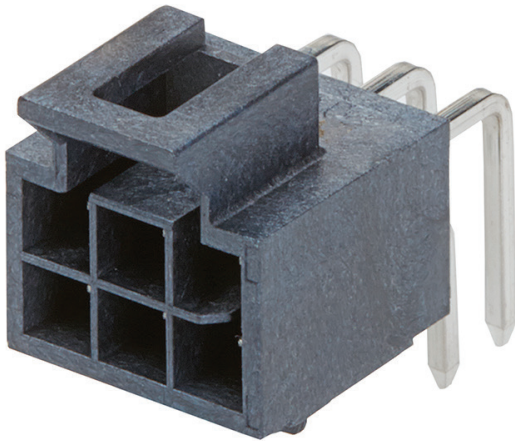


Molex FiT Families Power Connectors

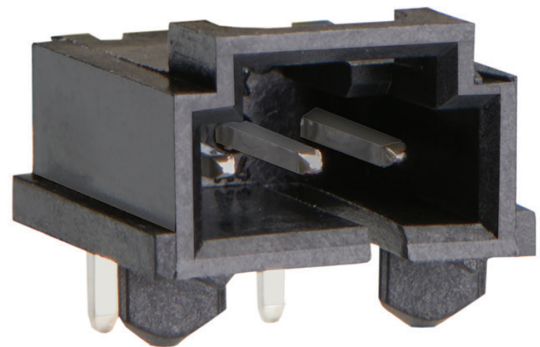
Fully isolated contacts inhibit arcing and allow for higher voltage ratings

Molex's FiT families feature fully isolated contacts that inhibit arcing between contacts and provide the use of higher voltages as well as better electrical isolation between adjacent contacts. As a result of isolating the contacts, damage can be prevented during handling, and shorting risks due to debris are minimized.

FULLY ISOLATED CONTACTS VS SHROUDED PIN FIELD STYLE CONTACTS



**FULLY ISOLATED
NANO-FIT™ CONTACTS**



**NON-ISOLATED, SHROUDED PIN
FIELD SL™ CONTACTS**

The FiT families power connectors include Mega-Fit®, Mini-Fit®, Ultra-Fit™, Micro-Fit 3.0™ and the Nano-Fit™ product lines, all of which are readily available in various circuit sizes and plating options.

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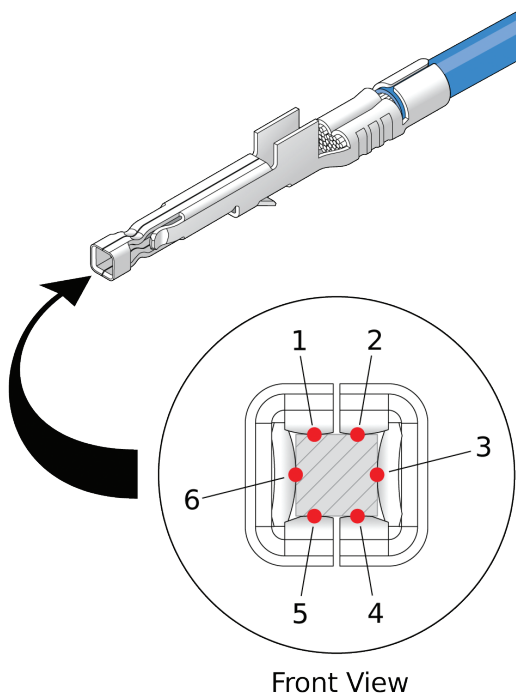
Molex FiT Families Power Connectors

Through multiple points of contact, redundancy is achieved during all connections

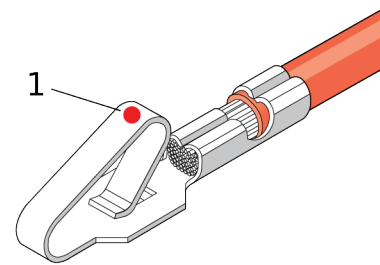
Terminals in Molex's FiT families feature multiple points of contact, so in the event that one part of the contact degrades or becomes blocked by debris, the other points of contact continue to carry the load. As a result, terminals have redundancy and a higher current carrying capability.

Within the FiT families, the Mega-Fit® and Ultra-Fit™ power connectors utilize these multiple points of contact to enable their hot plugging capability. Hot plugging allows the Mega-Fit and Ultra-Fit power connectors to be mated/unmated without having to turn off the power source.

MULTIPLE POINTS OF CONTACT VS A SINGLE POINT OF CONTACT



ULTRA-FIT TERMINAL WITH
6 POINTS OF CONTACT



KK® TERMINAL WITH
1 POINT OF CONTACT

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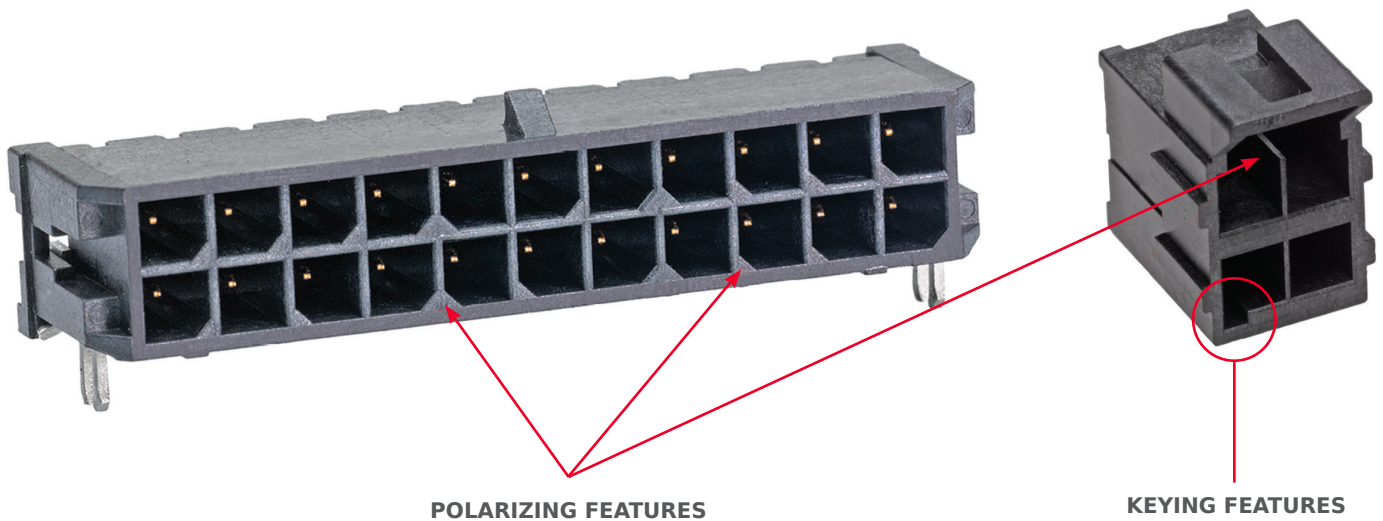
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Molex FiT Families Power Connectors

Polarized and keyed connectors reduce the possibility of misalignment

Molex's FiT families power connectors are polarized and keyed to virtually eliminate misalignment and significantly reduce the number of errors associated with improper installation. In the event an operator attempts to mis-mate a FiT families connector, the connector will provide tactile feedback to indicate the mating error to the user.

POLARIZED AND KEYED MICRO-FIT 3.0™ HOUSING



The FiT families power connectors include Mega-Fit®, Mini-Fit®, Ultra-Fit™, Micro-Fit 3.0™ and the Nano-Fit™ product lines, all of which are readily available in various circuit sizes and plating options.

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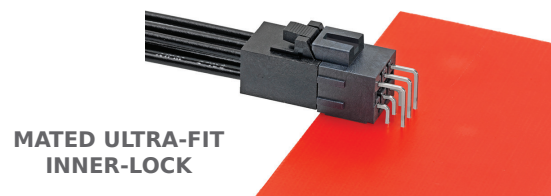
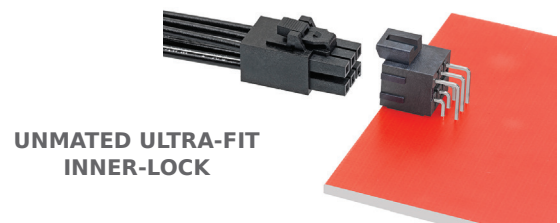
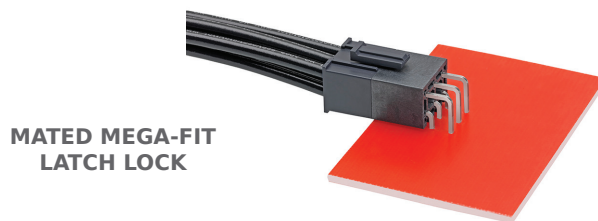
Molex FiT Families Power Connectors

Positive locking connectors for safe reliable connections

Molex's FiT families feature positive locking latches designed with an audible click to give operators feedback that the parts have been securely mated. In addition, positive locking also prevents accidental unmating from shock, vibration or moderate strain being placed on the cable. By audibly signaling a positive lock, FiT families connectors indicate that they are fully mated and ultimately prevent assembly errors. This improves quality during final product assembly by ensuring consistent operation over the life of the product.

Within the FiT families, Ultra-Fit™ and Nano-Fit™ connectors offer inner-locking latches that are more resistant to accidental unmating. If the latch is snagged by a wire, glove, or other object, it will only hold the latch in the locked position instead of potentially deactivating it. By audibly signaling a positive lock, FiT connectors indicate that they are fully mated, ultimately preventing assembly errors.

POSITIVE LOCKING FIT FAMILIES POWER CONNECTORS



The FiT families power connectors include Mega-Fit®, Mini-Fit®, Ultra-Fit™, Micro-Fit 3.0™ and the Nano-Fit™ product lines, all of which are readily available in various circuit sizes and plating options.

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Molex FiT Families Power Connectors

Reflow capable headers reduce processing requirements and reduce costs

Molex's FiT families feature reflow capable headers molded in liquid crystal polymers (LCP) that can withstand +260°C and higher during reflow processing. These connectors are designed to be automated assembly-ready, which can optimize installation times, reduce human error and save significant processing costs. With secondary wave solder processes being used less often or eliminated, reflow capable connectors like those offered in the FiT families meet processing requirements that can result in significant cost savings.

AVOID DAMAGE ASSOCIATED WITH REFLOW PROCESSES ON NON-REFLOW COMPONENTS



**UNDAMAGED IN
REFLOW PROCESS**



**DAMAGED IN
REFLOW PROCESS**

The FiT families power connectors include Mega-Fit®, Mini-Fit®, Ultra-Fit™, Micro-Fit 3.0™ and the Nano-Fit™ product lines, all of which are readily available in various circuit sizes and plating options.

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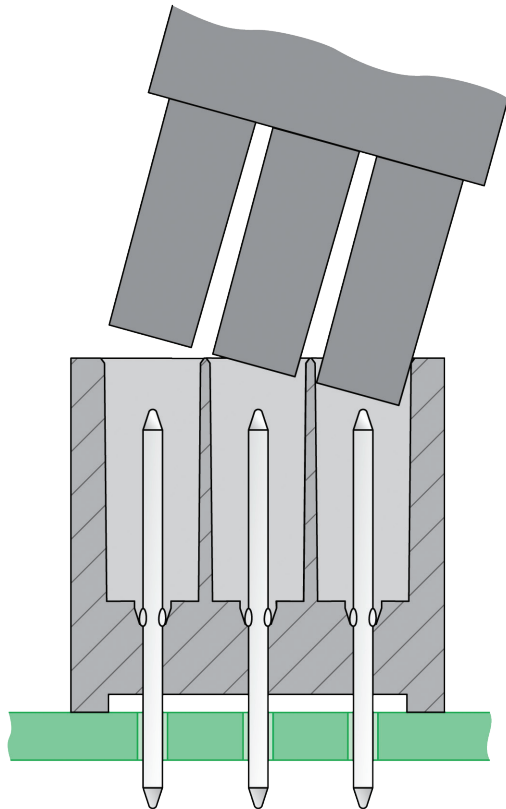
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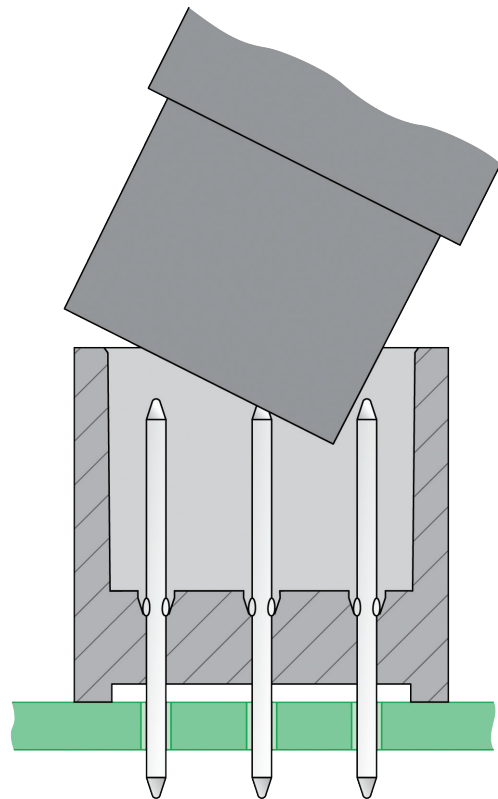
Molex FiT Families Power Connectors

Scoop proof contacts protect contacts from being damaged during mating/unmating

Molex's FiT families feature scoop proof contacts designed to protect critical contacts from damage associated with mating and unmating. With a scoop proof design, contacts are protected until the mating connectors are properly aligned. Therefore, damages related to aggressive unaligned mating and unmating are virtually eliminated.



SCOOP PROOF CONTACTS



NON-SCOOP PROOF CONTACTS

The FiT families power connectors include Mega-Fit[®], Mini-Fit[®], Ultra-Fit[™], Micro-Fit 3.0[™] and the Nano-Fit[™] product lines, all of which are readily available in various circuit sizes and plating options.

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