DATASHEET

Micro-Fit+ Connector System ›

Experience enhanced performance and reliability in a compact form with Micro-Fit+ Connectors. These products reduce the mating force by 40% compared to standard Micro-Fit Connectors, for more reliable assembly. With benefits ranging from cost savings, easy assembly, design flexibility to full compliance with environment health and safety (EH&S) regulations, Micro-Fit+ Connectors meet the rigorous demands associated with miniaturizing energy systems without compromising power.

ADVANTAGES AND FEATURES

Eases assembly for decreasing operator fatigue
The mating force is reduced by 40% compared to standard Micro-Fit, due to its unique design.

Provides design flexibility
These connectors have a smaller PCB footprint for improved manufacturing designs.

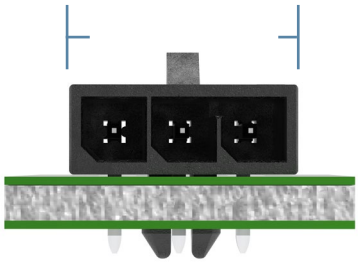
Reduces labor costs and saves time and resources
Reflow options are available.

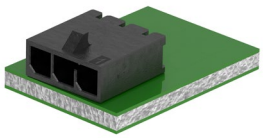
Current (max.)	13.5A
Pitch	3.00mm
Operating temperatures	-40 to 105°C
Voltage (max.)	600V

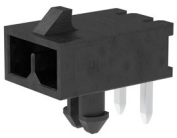
Helps prevent mis-mating
Using multiple color-keyed options and selective mating, these connectors help ensure operational safety and efficient assembly.

Provides stability and security for the terminals inside the receptaclen
Enhanced TPA design promotes easy connector assembly for operators.

Provides design flexibility
The connectors have a small PCB footprint.







ADVANTAGES AND FEATURES

Micro-Fit+ PCIe 12V-2x6 Connectors

Supports ampere interrupting capacities (AICs) up to 600W (675W with PCIe slot)
Micro-Fit+ Connectors have 9.2A per pin with hybrid 12-power + 4-signal-pin design, utilizing high-current alloy for power pins.

Complies with industry standards
These connectors conform with PCIe Card Electromechanical (CEM) 5.0/6.0 specifications and Molex-engineered reliabilty.

DATASHEET

Micro-Fit+ Connector System ›

ADVANTAGES AND FEATURES

Micro-Fit+ OCP M-PIC 12V(P12S12 + P6S6) Connectors

Meets expected industry standards for interop and performance
These connectors meet requirements established OCP M-PIC specification, enabling device compatibility to overcome integration challenges.

Provides exceptional space savings
These connectors are compact for overcoming space constraints in miniaturized applications.

Offers increased functionality
Hybrid power and signal allow designers more options for various component functions.

APPLICATIONS

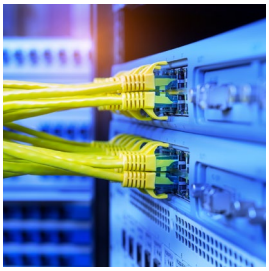
Automotive
Interior automotive devices
Non-sealed applications
Telemetrics

Consumer
3D printers
Copiers
Freezers
Pinball and slot machines
Refrigerators
Vending machines
Video poker and pachinko equipment
Washing machines

Networking and Telecommunications
Edge compute equipment (OCP)
Routers
Servers
Storages systems
Switches

Servers and Storage
DC-MHS servers (OCP M-PIC)

Refrigerators



Switches

Servers

DATASHEET

Micro-Fit+ Connector System ›

SPECIFICATIONS

Micro-Fit+ Connector System

Reference Information

Packaging: Bag, tray, reel
UL File No.: E29179
CSA File No.: LR19980
Receptacle Series: 226126
Use With:
  Power Terminal Series: 224179
  Signal terminal series: 219197
Mates With:
  Header Series: 221591
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes
Glow Wire Capable: Yes

Electrical

Power Contacts: 13.5A per pin
Signal Contacts: 1.0A per pin (same as existing Micro-Fit+ 12v-2x6)
Low Level Contact Resistance:
  Power Terminal: 5 mΩ
  Signal Terminal: 20 mΩ
Insulation Resistance (min.): 1,000 MΩ
Voltage (max.): 250V AC/DC
Current (max.): 13.5A (power)/1.0A (signal)
  Dielectric Withstand Voltage: 1,500V AC
  Temperature Rise: 30°C
4 signal contacts rated to 1.0A
Fully isolated terminals
Positive locking on housing with low thumb latch operation

Physical

Header: Liquid crystal polymer, UL 94V-0, black
Header Pin: High copper alloy, tin plating
Receptacle: Nylon, UL 94V-0, low halogen, black
Power Terminal: High-current copper alloy
Signal Terminal: Phosphorous bronze

Micro-Fit+ PCIe 12V-2x6 Connectors

Reference Information

Series: 219116
Mates With:
  Series: 219114
Terminal Used:
  Series: 220226
  Series: 219197

Electrical

Low Level Contact Resistance:
  Power Terminal: 5 mΩ Signal Terminal: 20 mΩ
Insulation Resistance (min.): 1000MΩ
Voltage (max.): 600V AC/DC
Current (max.): 9.5A (Power)/1A (Signal)
  Dielectric Withstand Voltage: 1500V AC
  Temperature Rise: 30°C ma
Rated current up to 9.5 A per contact with all 12 power contacts energized
4 signal contacts rated to 1.0A
Fully isolated terminals
Positive locking on housing with low thumb latch operation

Physical

Header: Liquid crystal polymer, UL 94V-0, black
Header Pin: High copper alloy, tin plating
Receptacle: Nylon, UL 94V-0, low halogen, black
Power Terminal: High-current copper alloy
Signal Terminal: Phosphorous bronze

DATASHEET

Micro-Fit+ Connector System ›

SPECIFICATIONS

Micro-Fit+ OCP M-PIC 12V(P12S12 + P6S6) Connectors

Reference Information

Packaging: Bag, tray, reel
UL File No.: E29179
CSA File No.: LR19980
Receptacle Series: 226126
Use With:
  Power Terminal Series: 224179
  Signal terminal series: 219197
Mates With:
  Header Series: 221591
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes
Glow Wire Capable: Yes

Electrical

Power Contacts: 13.5A per pin
Signal Contacts: 1.0A per pin (same as existing Micro-Fit+ 12v-2x6)
Low Level Contact Resistance:
  Power Terminal: 5 mΩ
  Signal Terminal: 20 mΩ
Insulation Resistance (min.): 1,000 MΩ
Voltage (max.): 250V AC/DC
Current (max.): 13.5A (power)/1.0A (signal)
  Dielectric Withstand Voltage: 1,500V AC
  Temperature Rise: 30°C
4 signal contacts rated to 1.0A
Fully isolated terminals
Positive locking on housing with low thumb latch operation

Physical

Header: Liquid crystal polymer, UL 94V-0, black
Header Pin: High copper alloy, tin plating
Receptacle: Nylon, UL 94V-0, low halogen, black
Power Terminal: High-current copper alloy
Signal Terminal: Phosphorous bronze

Order No. 987651-9552 Rev. 10 USA/0k/GF/2025.10