

Standard .093" Pin and Socket Connectors

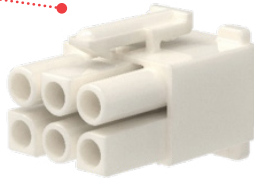
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Standard .093" Pin and Socket Connectors provide a cost-effective solution for various applications in wire-to-wire and wire-to-board combinations while offering a flexible design choice for medium-power applications

Features and Advantages

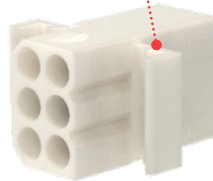
Positive locking

Ensures a reliable connection



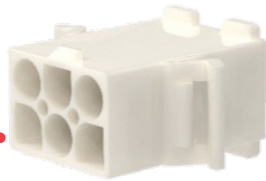
Panel-mount options

Ensure flexible mounting on panels with standard and pre-bent ears



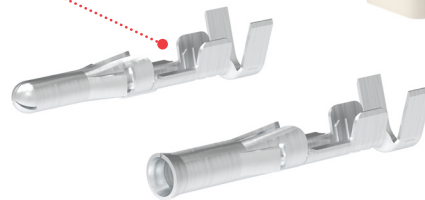
Keying and polarizing features

Allow operators to avoid mis-mating during the assembly process



High-current terminals and double crimp options

Help customer applications reach current up to 17.0A. Improve connector power performance by eliminating crimping errors



Polarized header versions available in 5.03mm-pitch size

Help PCB designers in powering systems by using both male and female header pin combinations



Standard .093" Pin and Socket Connectors

Applications

Telecommunications/Networking

Rack-mount servers

Consumer

Microwave ovens

Refrigerators

Data/Computing

Desktop computers and motherboards

Hard disk drives

Gaming Devices & Machines

Pachinko and other types of

Gaming machines



White Goods



Rack-Mount Servers



Desktop Computer

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Specifications

REFERENCE INFORMATION

Packaging:
Terminals: Reel and bag
Headers: Bag
Housings: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: .093" Connector Housings
Use With: .093" Terminals only
Terminal Used: Reel
Designed In: Millimeters
RoHS: Compliant
Halogen Free: Yes
Glow Wire Capable: Yes

ELECTRICAL

Voltage (max.): 600V
Current (max.): 17.0A
Contact Resistance: 10 milliohms
Dielectric Withstanding Voltage: 2000V AC

MECHANICAL

Contact Insertion Force: 22.2N max
Contact Retention to Housing: 89.0N min
Mating Force: 32.25N max
Unmating Force: 7.12N min
Durability (min.): Tin: 25 cycles
Gold: 250 cycles

PHYSICAL

Housing:
Plugs and Receptacles: Nylon UL 94V-2
Headers: Polyester 94 V-2, Nylon 94V-2
Contact: Brass
Plating:
Contact Area — Tin or Gold (15u" only)
Solder Tail Area — Tin
Underplating — Nickel, Copper
PCB Thickness: 1.60mm
Operating Temperature: -40 to +105°C

www.molex.com/link/standard_093.html

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