

Mini-Universal MATE-N-LOK Connector System

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Mini-Universal MATE-N-LOK Connector System

What is Mini-Universal MATE-N-LOK?

- High-density version of Universal MATE-N-LOK
- .163 [4.14] centerline
- 600 VAC or VDC, 9.5 amps max.
- 30-16 AWG wire range
- Tin or gold contact plating
- 9 lb minimum contact retention
- Wire-to-wire, 1-15 positions
- Wire-to-board (vertical & rt.-angle), 2-14 positions
- UL94V-0 & 94V-2 rated housings available
- Strain relief available

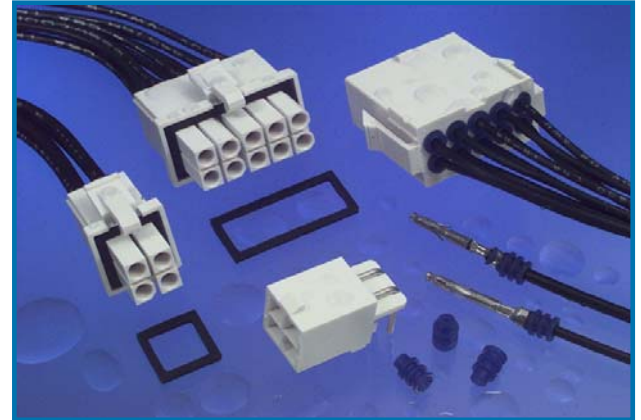


Mini-Universal MATE-N-LOK Connector System

What is Mini-Universal MATE-N-LOK™?

- High-density .163 [4.14] centerline
- Pins and sockets can be intermixed in the same housing
- Keying without loss of a circuit position
- Fully polarized housings Vertical/rt.-angle headers ensures proper mating of housings

Sealed Mini-Universal MATE-N-LOK



- **Description**

- **Sealed Wire to Wire & Wire to Board Product**

- Available in 2, 4, 6, 8, 10, Positions
 - Special Housing for Sealing
 - Standard Mini-Universal MATE-NLOK Contacts
 - Uses Individual Or Ganged Wire Seals (special contacts)
 - Interface seals and individual wire seals or plugs create a splash-proof interface

- **Product Advantages**

- Provides a low applied cost solution
 - Uses Existing Standard Application Tooling
 - Backward Compatible with Existing applications

Sealed Mini-Universal MATE-N-LOK

Competitors

- Limited Competition in the Market.
 - Molex MX150
 - Larger centerline
 - Totally Sealed Product
 - Higher Selling Price
 - Special contacts and housings
 - Deutsch
 - Designed for Automotive Industry
 - Higher Cost
 - Special tooling
 - FCI Introducing APEX 150
 - Designed for Automotive Industry
 - Much Higher Cost (initial)

Sealed Mini-Universal MATE-N-LOK

- **Markets and Applications**

- Ideal wherever moisture resistance is required in a 4.14mm Centerline or where there is High humidity, intermittent liquid splashing, or foam-in applications
 - Medical Devices
 - Vending Machines
 - Appliances
 - Industrial Machinery
 - Lighting
 - HVAC Equipment
 - Outdoor Devices (weather Protected)
 - Traffic control devices
 - Utility Vehicles
 - Beverage Dispensers

Mini-Universal MATE-N-LOK Typical Applications

Where to Sell Mini-Universal MATE-N-LOK?

Appliances

Vending

Gaming

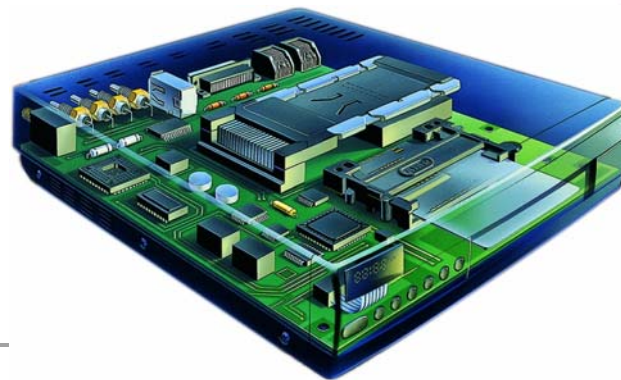
HVAC Systems

Power Supplies

Fan Modules

Lighting

Wiring Harness Assemblies



Considerations in Selecting Products

- Current Rating (amps) and Voltage required
- Wire type and Size requirements
- Number of positions
- Available Space
- Configuration (Wire to Wire; Wire to Board; Panel mount)
- Operating Temperature Requirements
- Environmental Considerations, are seals required?
- Industry Standards that have to be met

Mini-Universal MATE-N-LOK

Specifications

- Product Specifications
 - 108-1542 Mini-Universal MATE-N-LOK
 - 108-1542-2 Mini-Universal MATE-N-LOK Splash-Proof Seals
 - 108-1543 Mini-Universal MATE-N-LOK Headers
 - 108-5151 Mini-Universal MATE-N-LOK (UL94V-2)
 - 108-5138 Mini-Universal MATE-N-LOK (UL94V-0)
- Application Specifications
 - 114-13089 Sealed Mini-Universal MATE-N-LOK
 - 114-16017 Mini-Universal MATE-N-LOK
- Instruction Sheet
 - 408-3234 Mini-Universal MATE-N-LOK