



Mini-Universal MATE-N-LOK Connector System

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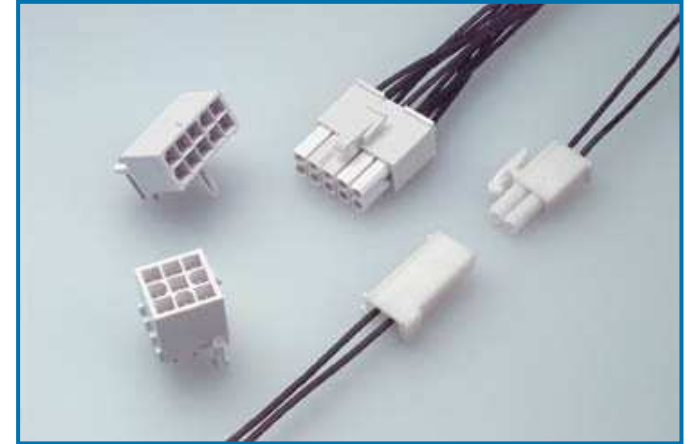
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Mini-Universal MATE-N-LOK Connector System

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

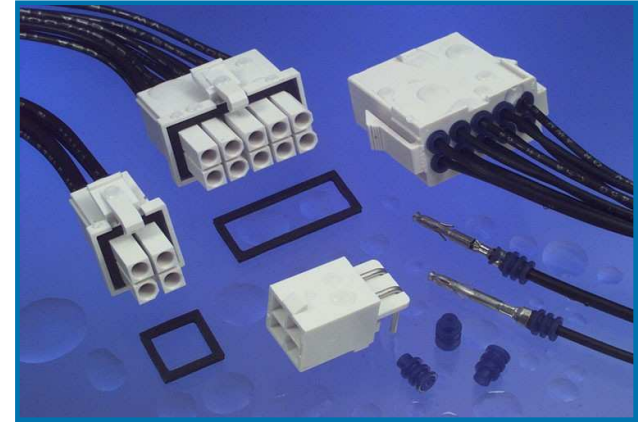
- **Description**

- **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
 - Qualified to IEC 60529 sealing ratings of IP56 and IP 57
 - Uses Existing Standard Application Tooling
 - Backward Compatible with Existing applications



Mini-Universal MATE-N-LOK Typical Applications

Appliances

Vending

Gaming

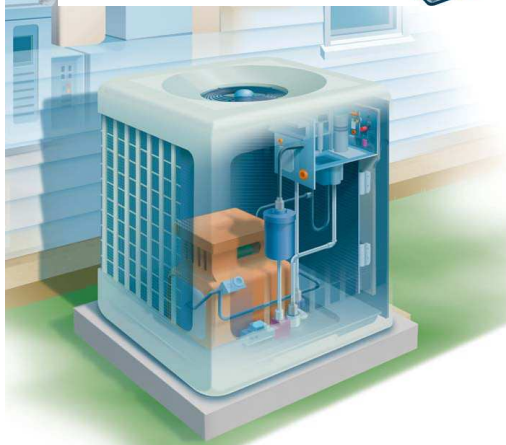
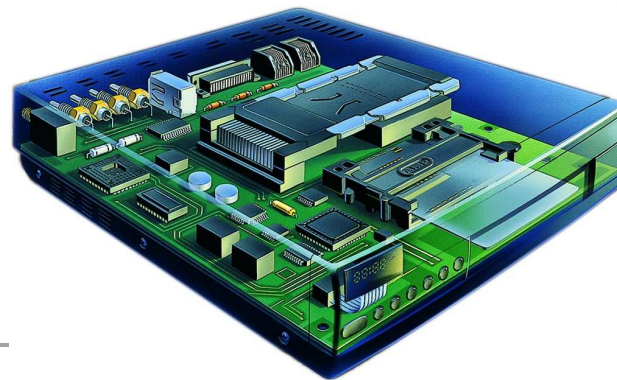
HVAC Systems

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

Application Tooling

- Hand: Premium CERTI-CRIMP and commercial PRO-CRIMPER II crimping tools (manual); 626 Pneumatic Tool System; insertion/extraction tools
- Semiautomatic: AMP-O-ELECTRIC Model “G” and AMP-O-MATIC Stripper-Crimper bench machines
- Automatic: AMPOMATOR CLS IV+ Lead Maker and Komax Lead Makers



Mini-Universal MATE-N-LOK

Standards

- UL Recognized, File No. E28476
- CSA Certified, File No. LR 7189
- VDE Tested, Reg. #5618/Continuous Surveillance
- Passed test by VDE under registration number 3476/Continuous Surveillance
- Splash Proof/Sealed Mini-Universal MATE-N-LOK
 - Meets IEC 60529 IP56 & IP57 Internal Protection Sealing Level Requirements
 - IP57 Test -- (Swirling Dust/Immersion @ 1 m for 30 min. - .110-.130 insulation diameter)
 - IP56 Test -- (Swirling Dust/Heavy Seas - .060-.110 insulation diameter)

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

Mini-Universal MATE-N-LOK

Support Materials

- Catalog 82181: Soft Shell Pin and Socket Connectors
- Sample Kit 1307763: Soft Shell Family
- Product Information Kit 1654024: Sealed Mini-Universal MATE-N-LOK