



Quick Reference Guide

Mini-Universal MATE-N-LOK Connector System

The Mini-Universal MATE-N-LOK Connector System offers wire-to-wire and wire-to-board connections with contacts on a 4.14 mm [.163] centerline and current ratings up to 9.5 Amps max. per line. Plug and receptacle housings allow wire-to-wire and wire-to-panel configurations and header assemblies offer wire-to-board connections in vertical and right angle configurations. Wire-to-wire, free-hanging or panel mount options are available in 1-15 position in-line, dual row or matrix configurations and wire-to-board systems in dual row and matrix configurations are available in 2-24 positions. Hermaphroditic housings are also available in 2-4 positions for free-hanging applications. Crimp, snap-in pin and receptacle contacts are used to terminate 30-16 [0.05-1.2 mm²] AWG wire with insulation diameters up to 3.20 mm. The Mini-Universal MATE-N-LOK Connector System also offers a splash-proof design allowing for use in areas where high humidity, intermittent liquid splashing or foam-in applications require a sealed connector for improved electrical performance. The sealed system is available in select 2-16 positions.

FEATURES AND BENEFITS

- Discrete wire interconnect available in 1-24 position wire-to-wire and wire-to-board pin and receptacle connector system
- Contacts are on 4.14 mm centerline spacing
- Contacts are available in strip form or loose piece
- Pins and sockets can be accommodated in the same housing
- Vertical and right angle pin headers
- Splash-proof design for applications that require sealing
- UL, CSA & VDE approved

PRODUCT APPLICATIONS

- Household appliances
- Indoor and outdoor lighting
- Medical equipment
- Security systems
- Industrial controls
- HVAC system controls
- Storage and networking systems

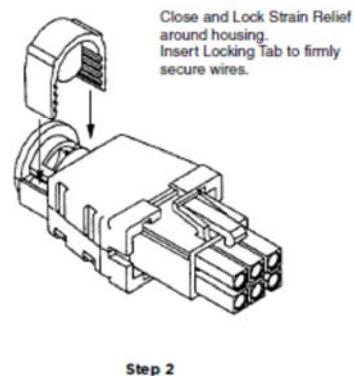
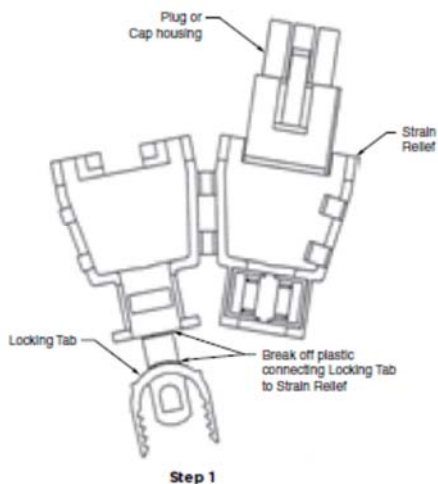


PLUG HOUSINGS

No. of Circuits	UL94V-0	UL94V-2	Single Row	Dual Row	Matrix
1	172164-1	172335-1	x		
2	172165-1	172336-1	x		
3	172166-1	172337-1	x		
4	172167-1	172338-1		x	
6	172168-1	172339-1		x	
8	770579-1	—		x	
9	172169-1	172340-1			x
10	770580-1	—		x	
12	172170-1	172341-1			x
12	770581-1	—		x	
14	770582-1	—		x	
15	172171-1	172342-1			x
16	770583-1	—		x	
18	770584-1	—		x	
20	770585-1	—		x	
22	770586-1	—		x	
24	770587-1	—		x	

STRAIN RELIEFS - PLUG OR CAP HOUSINGS

No. of Circuits	Wire Bundle Dia. Range	UL94V-0 Part No.	Use with:	Dual Row	Matrix
6	.135-.220 4.19-5.59	794423-1	172168-1, 172160-1, 172339-1, 172331-1	x	
8	.180-.245 4.57-6.22	794370-1	770979-1	x	
9 Plug		316454-1	172169-1, 172340-1		x
9 Cap		316455-1	172161-1, 171232-1		x





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