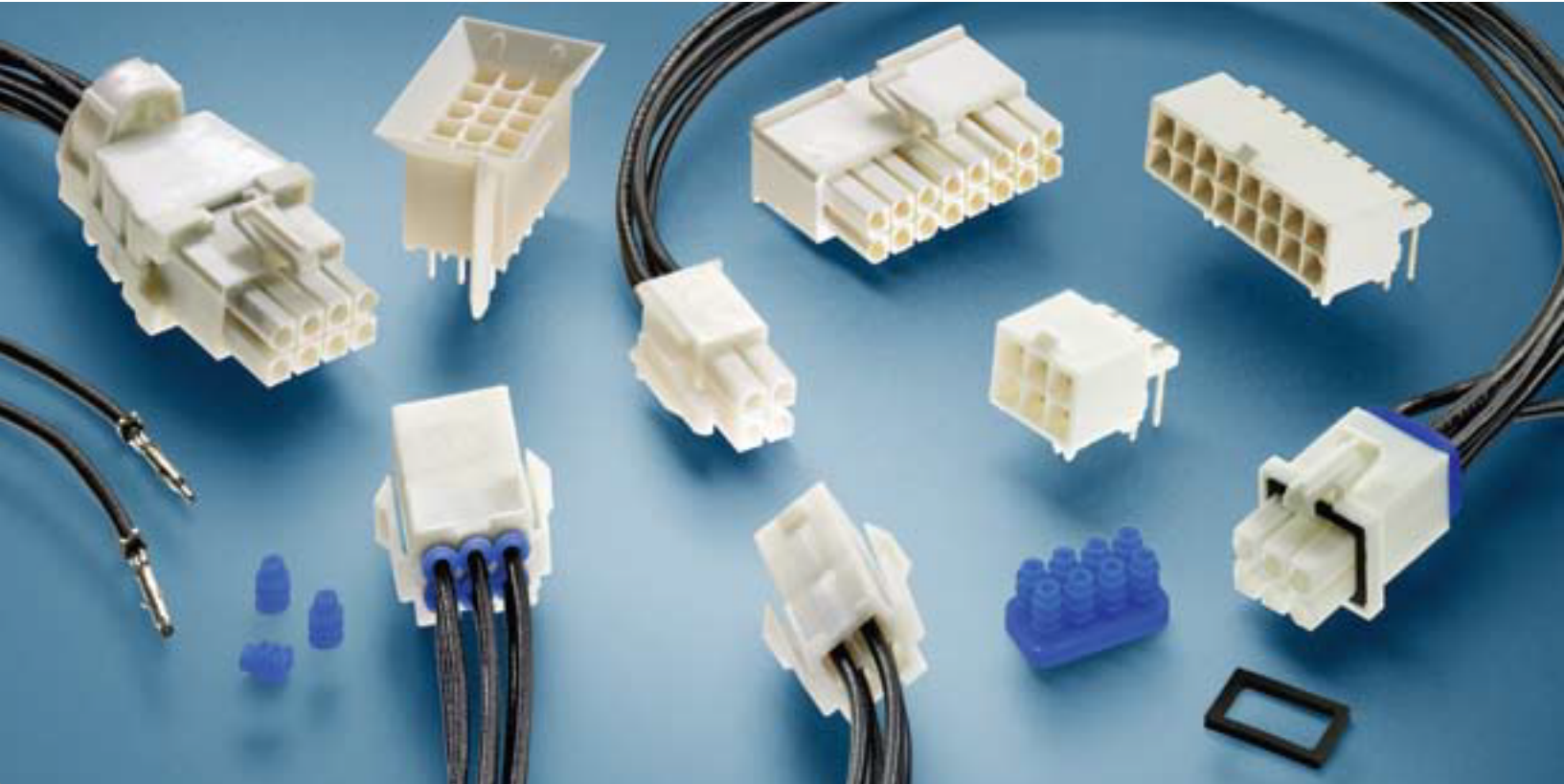




Quick reference guide Mini-Universal MATE-N-LOK Connector System

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.

Key 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

Conta Cts											
Wire Size Range AWG	Ins. Dia. Range	Plating		Pin		Socket		Automatic	Semiautomatic		Hand Tool Part No.
		Pre-Tin	Gold	Strip From	Loose Piece	Strip From	Loose Piece		K Press	G Press	
30-26 [.05-.12]	.035-.050 [.889-1.27]	x		770835-1	794059-1	770834-1	794058-1	567418-1	567418-2	567418-3	90717-2
30-26 [.05-.12]	.035-.050 [.889-1.27]		x	1-770835-0	1-794059-0	1-770834-0	1-794058-0	567418-1	567418-2	567418-3	90717-2
26-22 [.12-.3]	.047-.069 [1.19-1.75]	x		770901-1*	770985-1*	770702-1*	770986-1*	567066-1	567066-2	567418-3	91529-1
26-22 [.12-.3]	.047-.069 [1.19-1.75]		x	1-770901-0*	1-770985-0*	1-770902-0*	1-770986-0*	567066-1	567066-2	567418-3	91529-1
22-18 [.3-.8] or 22 x (2) [.3]	.059-.094 [1.50-2.39] or 0.67 x (2) [3.38]	x		770903-1*	770987-1*	770904-1*	770988-1*	567067-1	567067-2	567067-3	91522-1
22-18 [.3-.8] or 22 x (2) [.3]	.059-.094 [1.50-2.39] or 0.67 x (2) [3.38]		x	1-770903-0*	1-770987-0*	1-770904-0*	1-770988-0*	567067-1	567067-2	567067-3	91522-1
20-16 [.5-.12] or 20 x (2) [.5]	.079-.126 [2.01-3.20] or .075 x (2) [1.91]	x		794406-1	171638-1	794407-1	171639-1	680582-1	680582-2	680582-3	91536-1
20-16 [.5-.12] or 20 x (2) [.5]	.079-.126 [2.01-3.20] or .075 x (2) [1.91]		x	1-794406-0		1-794407-0		680582-1	680582-2	680582-3	91536-1
22-26	.050-.069 [1.27-1.75]	x		770901-1	770985-1	770902-1	770986-1				
22-26	.050-.069 [1.27-1.75]		x	1-770901-0	1-770985-0	1-770902-0	1-770986-0				
18-22	.050-.083 [1.27-2.11]	x		794406-1		794831-1					
18-22	.050-.083 [1.27-2.11]		x	794406-3		794831-3					
16	.050-.083 [1.27-2.11]	x		1586537-1		1586538-1					
16	.050-.083 [1.27-2.11]		x	—		1586538-3					

*Can be used in conjunction with individual wire seal- part no. 794758-1

Contact Extraction Tool Part No. 189727-1

Contact Insertion Tool Part No. 91002-1



Pin



socket

The Mini-Universal MATE-N-LOK contacts are brass with pre-tin or gold plating. See catalog 82181 for additional available options. The contacts are fully protected in the housings. The pins and sockets can be accommodated in the same housing.

Ca P Housings							
No. of Circuits	UL94V-0		UL94V-2		Configurations		
	Panel Mount	Free-Hanging	Panel Mount	Free-Hanging	Single Row	Dual Row	Matrix
1		172156-1		172327-1	x		
2	172157-1	172233-1	172328-1	172343-1	x		
3	172158-1	172234-1	172329-1	172344-1	x		
4		172159-1		172330-1		x	
6		172160-1		172331-1		x	
9		172161-1		172332-1			x
12		172162-1		172333-1			x

Her Ma PHro Diti C Housings		
No. of Circuits	UL94V-0 Nylon, White Color	UL94V-2, Natural Color
2	173956-1	172807-1
3	173957-1	172808-1
4	173958-1	172809-1

Note: Housing mates to itself; 2 required per wire-to-wire connection



Cap Housing