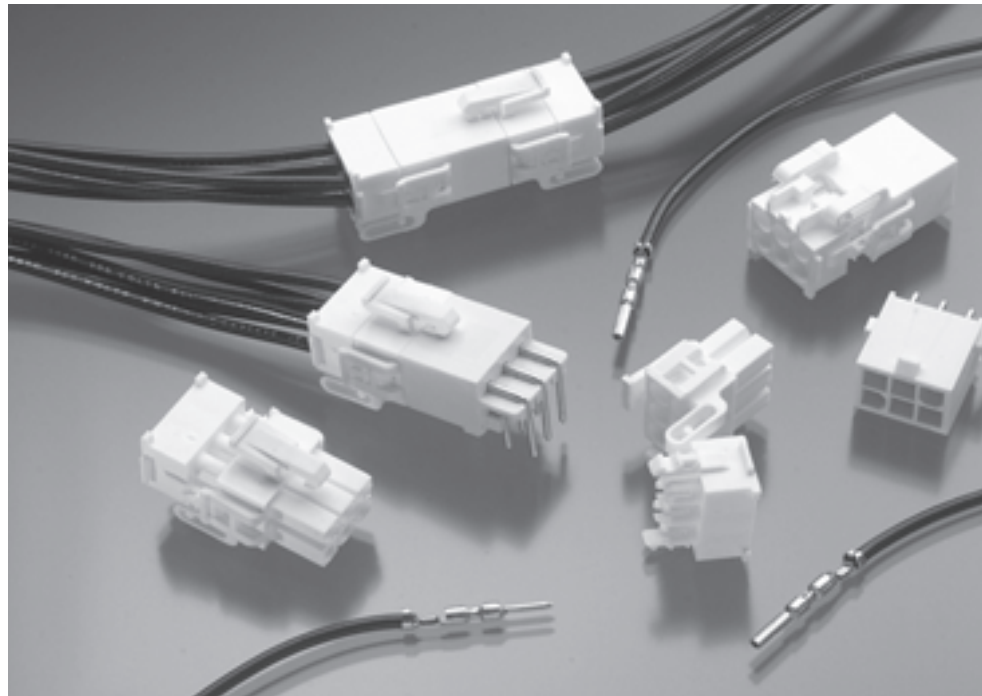


Mini-Universal MATE-N-LOK 2 Connectors

Product Facts

- One molded piece, secondary locking plug and cap housing assemblies
- Three-point stabilization to provide better terminal position
- Fully polarized to provide proper plug-to-cap mating
- Lanceless contacts for tangle-free handling
- Toolless contact removal
- Tin or duplex gold plated contacts
- Available in 2 through 24 circuit sizes wire-to-wire and wire-to-board
- Mates with standard Mini-Universal MATE-N-LOK headers and connectors
- Contacts available in strip and loose piece
- Polarized housings available in UL 94V-0 or UL 94V-2 flammability rated material
- Mini-Universal MATE-N-LOK 2 pins and sockets can be intermixed in Mini-Universal MATE-N-LOK 2 housings
- Mini-Universal MATE-N-LOK 2 pins and sockets can not be used in standard Mini-Universal MATE-N-LOK housings
- Contacts accept wire size range 30-16 AWG [.05-1.2 mm²]
- .163 [4.14] centerline spacing
- Not for interrupting current
- Recognized under the Component Program of  Underwriters Laboratories Inc. to US and Canadian Standards, File No. E28476
- Recognized by VDE under Registration Number 118488 



Performance Characteristics

The Mini-Universal MATE-N-LOK 2 Connector performance characteristics found on pages 93-94 are based on free hanging connectors, loaded with contacts crimped on stranded wire.

Low Level Termination Resistance
20 milliohms max. total resistance between wire crimps of a mated pin and socket

Dielectric Withstanding Voltage
1500 V AC or DC between adjacent circuits at sea level

Insulation Resistance—
100 megohms minimum between adjacent circuits

Voltage Rating—600 V AC or DC

Contact Retention—20 lb. min. per contact

Durability—25 cycles, mating and unmating

Current Rating—up to 10.5 amps per circuit; 2 position

Mating Force—2.5 lb. max. per circuit

Unmating Force—0.25 lb. minimum per circuit

Wire Size		Termination Resistance		Contact Crimp Tensile Force	
AWG	mm ²	Test Current (Amps)	Resistance Milliohms (Max. Init.)	Force (Min.) lbs.	N
30	.05	—	—	—	—
28	.08	—	—	—	—
26	.12	—	—	4	18
24	.2	—	—	—	—
22	.3	—	—	11	49
20	.5	—	—	13	58
18	.8	—	—	15	67
16	1.2	—	—	18	80

Technical Documents

Product Specifications

- 108-1693 Mini-Universal MATE-N-LOK 2 Connectors
108-1694 Mini-Universal MATE-N-LOK 2 Headers

Application Specification

- 114-1111 Mini-Universal MATE-N-LOK 2 Connectors

Instruction Sheet

- 408-3393 Mini-Universal MATE-N-LOK 2 Connectors

Mini-Universal MATE-N-LOK 2 connectors also will withstand the following tests:

Housing Lock Strength—6 lb. min.

Thermal Shock—-55°C to +105°C

Temperature-Humidity Cycling—25°C to 65°C at 95 RH

Vibration—10-55-10 cycles per minute at .06 inch total excursion

Physical Shock—18 drops, 50 G half-sine at 11 milliseconds

Mini-Universal MATE-N-LOK 2 Connectors (Continued)

Performance Characteristics (Continued)

Maximum Current—Maximum current rating of Mini-Universal MATE-N-LOK 2 connectors is limited by the maximum operating temperature of the housings which is 105°C (gold) or 85°C (tin) including the temperature rise of the contacts which is a maximum of 30°C. There are several variables which have a direct effect on this maximum current-carrying capability for a given connector and must be considered for each application. These variables are:

Wire Size—Larger diameter wire will carry more current since it has less internal resistance to current flow and thus generates less heat. Longer wire lengths also enhance current-carrying capabilities since the wire conducts heat away from the connector.

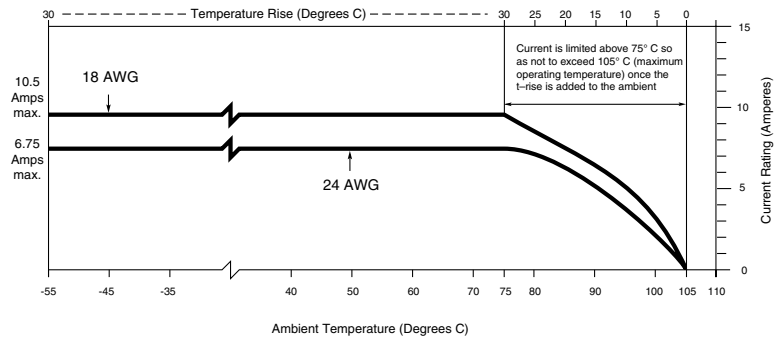
Connector Size—In general, the more circuits in a connector, the less current can be carried.

Ambient Temperature—The higher the ambient temperature, the less current can be carried in any given connector.

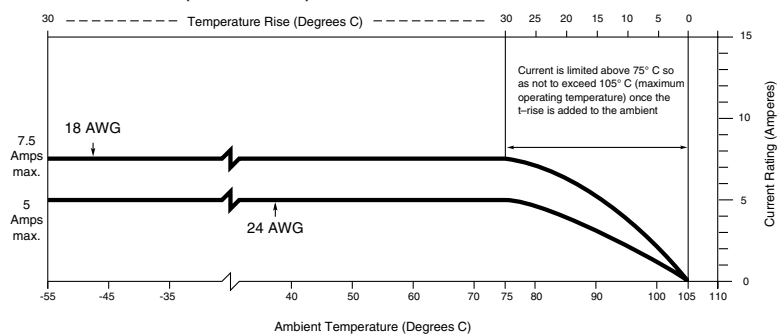
Printed Wiring Board Conductor Size—The finished trace conductor width and thickness should be maximized to allow for the greatest current-carrying capacity and heat dissipation.

Current Rating Verification for 30°C Maximum Temperature Rise 100% Energized

2 Circuit Connector (Wire-to-Wire)



6 Circuit Connector (Wire-to-Wire)



Contacts

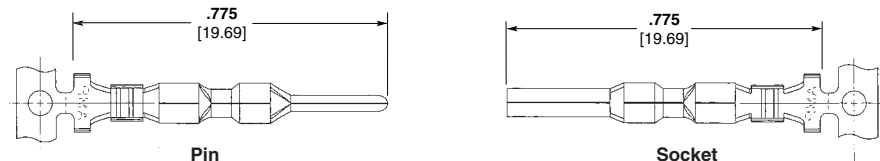
Pin diameter .039 [0.99]

Material

Brass

Stock Thickness .010 [0.25]

These contacts can be used in either Mini-Universal MATE-N-LOK 2 Plug or Cap housings **only**.



Not to be used with Mini-Universal MATE-N-LOK Connectors

Related Product Data

Product Specifications

108-1693 Mini-Universal MATE-N-LOK 2 Connectors

108-1694 Mini-Universal MATE-N-LOK 2 Headers

Application Specification

114-1111 Mini-Universal MATE-N-LOK 2 Connectors

Performance Characteristics—pages 93-94

Housings—pages 95-96

Technical Documents—pages 93 and 199-200

Wire Size Range AWG [mm²]	Ins. Dia. Range	Finish	Contact Part Numbers				HDM Applicator Part No.	Hand Tool Part No.
			Pin		Socket			
			Strip Form	Loose Piece	Strip Form	Loose Piece		
30-26 [.05-.12]	.035-.050 .889-1.27	Pre-tin Duplex¹	794216-1 1-794216-0	794224-1 1-794224-0	794217-1 1-794217-0	794225-1 1-794225-0	567418-1 ² 567418-2 ² 567418-3 ²	90717-2
26-22 [.12-.3]	.047-.069 1.19-1.75	Pre-tin Duplex¹	794218-1 1-794218-0	794226-1 1-794226-0	794219-1 1-794219-0	794227-1 1-794227-0	567066-3 ³ 567066-4 ³ 567066-5 ³	91529-1
22-18 [.3-.8]	.059-.094 1.50-2.39	Pre-tin Duplex¹	794220-1 1-794220-0	794228-1 1-794228-0	794221-1 1-794221-0	794229-1 1-794229-0	680854-1 ² 680854-2 ² 680854-3 ²	91522-1
20-16 [.5-1.2]	.079-.126 2.01-3.20	Pre-tin Duplex¹	794222-1 1-794222-0	794230-1 1-794230-0	794223-1 1-794223-0	794231-1 1-794231-0	680582-2 ² 680582-3 ²	91594-1

¹Duplex Finish—Plated with .000030 [.000762] min. gold in mating area and .000100 [.00254] min. tin in crimping area over .000050 [.00127] min. nickel underplate on entire contact.

²HDM Applicator part number ending in -1 is used on AMPOMATOR CLS Machine with T or G Terminators, -2 is used on AMP-O-ELECTRIC Model K Machine, -3 is used on AMP-O-ELECTRIC Model G Machine.

³HDM Applicator part number ending in -3 is used on AMPOMATOR CLS Machine with T or G Terminators, -4 is used on AMP-O-ELECTRIC Model K Machine, -5 is used on AMP-O-ELECTRIC Model G Machine.

See pages 201-204 for further information.

Note: All part numbers are RoHS Compliant.

Mini-Universal MATE-N-LOK 2 Connectors (Continued)

Housings

Free Hanging

.163 [4.14] Centerline spacing

Related Product Data

Product Specifications

108-1693 Mini-Universal MATE-N-LOK 2 Connectors

108-1694 Mini-Universal MATE-N-LOK 2 Headers

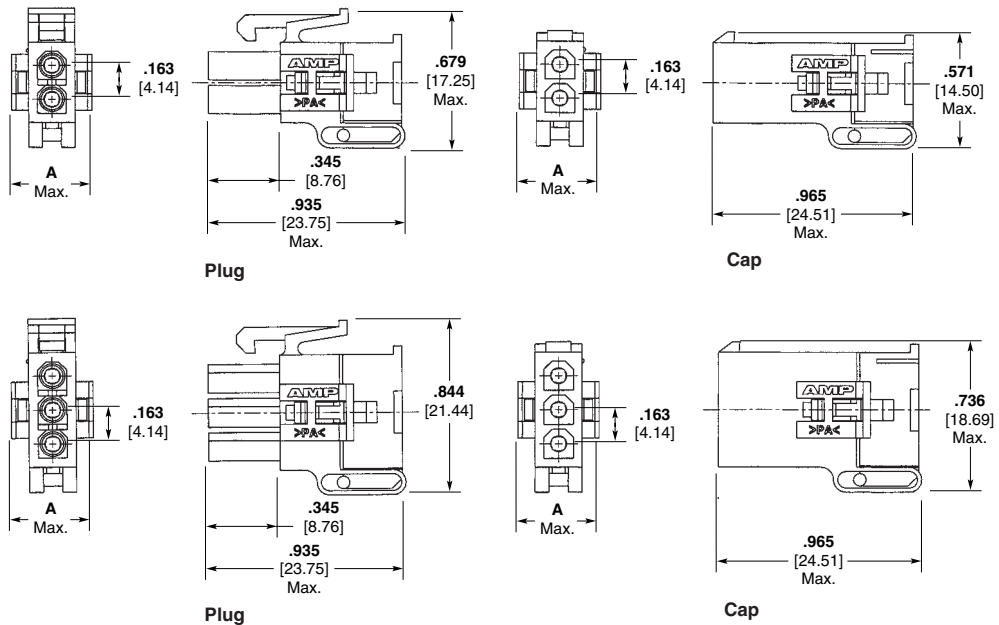
Performance Characteristics—
pages 93-94

Contacts — page 94

Technical Documents — pages 93
and 199-200

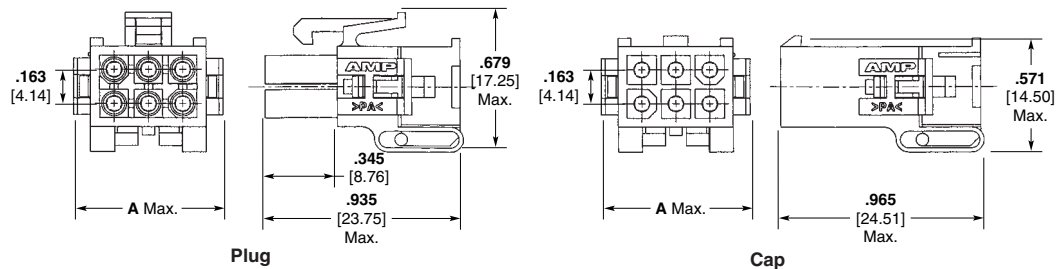
Mating Headers — pages 97-99

2 and 3 Circuit, In-Line



Number of Circuits	A Dimension	Housing Part Numbers			
		UL94V-0 Nylon, White Color		UL94V-2 Nylon, Natural Color	
		Plug	Cap	Plug	Cap
2	.405 10.29	794184-1	794185-1	794237-1	794238-1
3	.405 10.29	794186-1	794187-1	794239-1	794240-1

4 and 6 Circuit, Dual Row

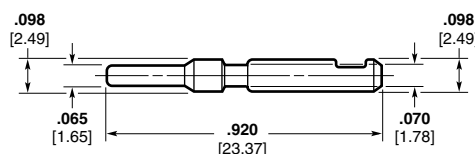


Number of Circuits	A Dimension	Housing Part Numbers			
		UL94V-0 Nylon, White Color		UL94V-2 Nylon, Natural Color	
		Plug	Cap	Plug	Cap
4	.571 14.50	794188-1	794189-1	794241-1	794242-1
6	.736 18.70	794190-1	794191-1	794243-1	794244-1

Keying Plug

Material

UL94V-0 Nylon, white color



Part Number 794369-1

Note: All part numbers are RoHS Compliant.

High Density
.163 [4.14] Centerline

Housings
Free Hanging

.163 [4.14] Centerline spacing

Related Product Data

Product Specifications

108-1693 Mini-Universal MATE-N-LOK 2 Connectors

108-1694 Mini-Universal MATE-N-LOK 2 Headers

Performance Characteristics—
pages 93-94

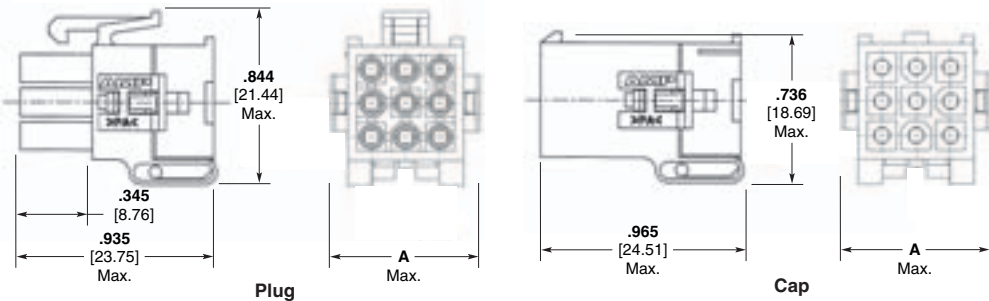
Contacts—page 94

Keying Plug—page 95

Technical Documents—pages 93
and 199-200

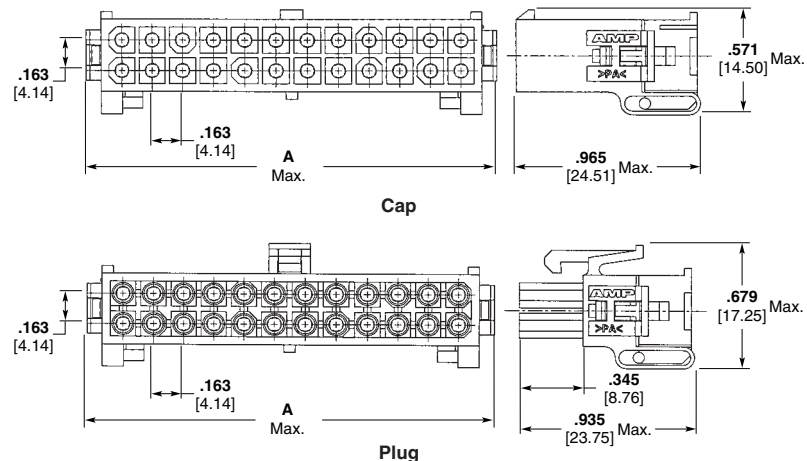
Mating Headers—pages 97-99

**9, 12 and 15 Circuit,
Matrix**



Number of Circuits	A Dimension	Housing Part Numbers			
		UL94V-0 Nylon, White Color		UL94V-2 Nylon, Natural Color	
		Plug	Cap	Plug	Cap
9	.736 18.69	794194-1	794195-1	794247-1	794248-1
12	.901 22.89	794200-1	794201-1	794253-1	794254-1
15	1.067 27.10	794204-1	794205-1	794257-1	794258-1

**8 through 24 Circuit,
Dual Row**



Number of Circuits	A Dimension	Housing Part Numbers			
		UL94V-0 Nylon, White Color		UL94V-2 Nylon, Natural Color	
		Plug	Cap	Plug	Cap
8	.899 22.84	794192-1	794193-1	794245-1	794246-1
10	1.062 26.98	794196-1	794197-1	794249-1	794250-1
12	1.225 31.12	794198-1	794199-1	794251-1	794252-1
14	1.388 35.26	794202-1	794203-1	794255-1	794256-1
16	1.551 39.40	794206-1	794207-1	794259-1	794260-1
18	1.714 43.54	794208-1	794209-1	794261-1	794262-1
20	1.877 47.68	794210-1	794211-1	794263-1	794264-1
22	2.040 51.82	794212-1	794213-1	794265-1	794266-1
24	2.203 55.96	794214-1	794215-1	794267-1	794268-1

Note: All part numbers are RoHS Compliant.

Vertical PC Board Pin Headers

.163 [4.14] Centerline spacing

Material

Housing—Nylon, white

Flammability Rating—UL94V-0

Contacts—Brass

Solder tail diameter .039 [1.00]

Related Product Data

Product Specifications

108-1693 Mini-Universal MATE-N-LOK 2 Connectors

108-1694 Mini-Universal MATE-N-LOK 2 Headers

Performance Characteristics—
pages 93-94

Recommended PC Board Hole

Layout—page 100

Technical Documents—pages 93
and 199-200

Mating Connectors

Mini-Universal MATE-N-LOK 2

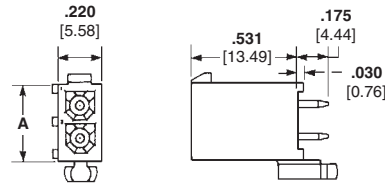
Plug Housings—pages 95-96

Mini-Universal MATE-N-LOK

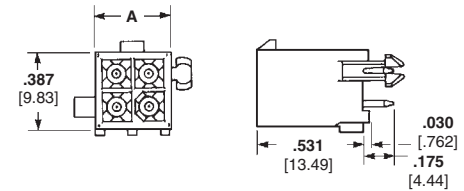
Plug Housings—pages 83-85

Mini-Universal MATE-N-LOK 2 Connectors (Continued)

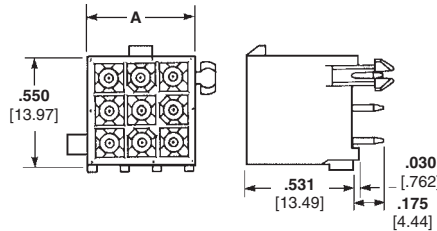
2 and 3 Circuit, In-Line



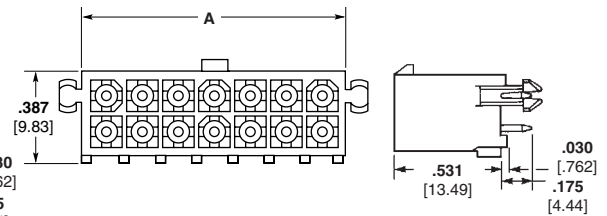
4, 6, 8, 10 and 12 Circuit, Dual Row



9, 12 and 15 Circuit, Matrix



14, 16, 18, 20, 22 and 24 Circuit, Dual Row



Number of Circuits	Style	A Dim.	Pin Finish	Vertical Pin Header Part Numbers		Mates with Plug Housing Part Number (Using Socket Contacts)	
				With Drain Holes	Without Drain Holes	Mini-Universal MATE-N-LOK	Mini-Universal MATE-N-LOK 2
2	In-Line	.387 9.83	Tin ¹ Duplex ²	1-770166-0 1-770166-1	1-770872-0 1-770872-1	172165-1	794184-1
3	In-Line	.550 13.97	Tin ¹ Duplex ²	1-770170-0 1-770170-1	1-770873-0 1-770873-1	172166-1	794186-1
4	Dual Row	.387 9.83	Tin ¹ Duplex ²	1-770174-0 1-770174-1	1-770874-0 1-770874-1	172167-1	794188-1
6	Dual Row	.550 13.97	Tin ¹ Duplex ²	1-770178-0 1-770178-1	1-770875-0 1-770875-1	172168-1	794190-1
8	Dual Row	.713 18.11	Tin ¹ Duplex ²	1-794065-0 1-794065-1	1-794073-0 1-794073-1	770579-1	794192-1
9	Matrix	.551 14.00	Tin ¹ Duplex ²	1-770182-0 1-770182-1	1-770876-0 1-770876-1	172169-1	794194-1
10	Dual Row	.877 22.28	Tin ¹ Duplex ²	1-770743-0 1-770743-1	1-770858-0 1-770858-1	770580-1	794196-1
12	Dual Row	1.039 26.39	Tin ¹ Duplex ²	1-794066-0 1-794066-1	1-770621-0 1-770621-1	770581-1	794198-1
		.713 18.11	Tin ¹ Duplex ²	1-770186-0 1-770186-1	1-794040-0 1-794040-1	172170-1	794200-1
	Matrix	.713 18.11	Tin ¹ Duplex ²	1-770186-0 1-770186-1	1-794040-0 1-794040-1	172170-1	794200-1
14	Dual Row	1.202 30.53	Tin ¹ Duplex ²	1-794067-0 1-794067-1	1-794074-0 1-794074-1	770582-1	794202-1
15	Matrix	.877 22.28	Tin ¹ Duplex ²	1-770190-0 1-770190-1	1-770859-0 1-770859-1	172171-1	794204-1
16	Dual Row	1.365 34.67	Tin ¹ Duplex ²	1-794068-0 1-794068-1	1-794075-0 1-794075-1	770583-1	794206-1
18	Dual Row	1.528 38.81	Tin ¹ Duplex ²	1-794069-0 1-794069-1	1-794076-0 1-794076-1	770584-1	794208-1
20	Dual Row	1.691 42.95	Tin ¹ Duplex ²	1-794070-0 1-794070-1	1-794077-0 1-794077-1	770585-1	794210-1
22	Dual Row	1.854 47.09	Tin ¹ Duplex ²	1-794071-0 1-794071-1	1-794078-0 1-794078-1	770586-1	794212-1
24	Dual Row	2.017 51.23	Tin ¹ Duplex ²	1-794072-0 1-794072-1	1-794079-0 1-794079-1	770587-1	794214-1

¹Tin Finish—Plated with .000150 [.00381] min. tin over .000050 [.00127] min. nickel underplate on entire contact.

²Duplex Finish—Plated with .000030 [.000762] min. gold in mating area and matte tin on solder tail end over .000050 [.00127] min. nickel underplate on entire contact.

Note: All part numbers are RoHS Compliant.

High Density
.163 [4.14] Centerline

Vertical PC Board Blindmate Pin Headers

.163 [4.14] Centerline spacing

Material

Housing— Nylon, white

Flammability Rating— UL94V-0

Contacts— Brass

Solder tail diameter .039 [1.00]

Related Product Data

Product Specifications

108-1693 Mini-Universal MATE-N-LOK 2 Connectors

108-1694 Mini-Universal MATE-N-LOK 2 Headers

Performance Characteristics—
pages 93-94

Recommended PC Board Hole

Layout—page 100

Technical Documents—pages 93
and 199-200

Mating Connectors

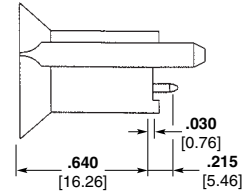
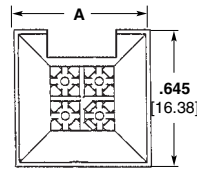
Mini-Universal MATE-N-LOK 2

Plug Housings—pages 95-96

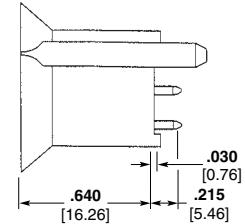
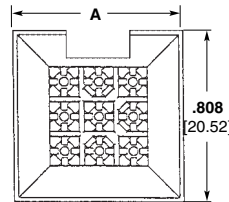
Mini-Universal MATE-N-LOK

Plug Housings—pages 83-85

4, 6, 8 and 10 Circuit, Dual Row



9, 12 and 15 Circuit, Matrix



Number of Circuits	Style	A Dim.	Pin Finish	Pin Header Part Numbers with Drain Holes	Mates with Plug Housing Part Number (Using Socket Contacts)	
					Mini-Universal MATE-N-LOK	Mini-Universal MATE-N-LOK 2
4	Dual Row	.645 16.38	Tin ¹	1-794325-0	172167-1	794188-1
			Duplex ²	1-794325-1		
6	Dual Row	.808 20.52	Tin ¹	1-794326-0	172168-1	794190-1
			Duplex ²	1-794326-1		
8	Dual Row	.971 24.66	Tin ¹	1-794327-0	770579-1	794192-1
			Duplex ²	1-794327-1		
9	Matrix	.808 20.52	Tin ¹	1-794432-0	172169-1	794194-1
			Duplex ²	1-794432-1		
10	Dual Row	1.134 28.80	Tin ¹	1-794328-0	770580-1	794196-1
			Duplex ²	1-794328-1		
12	Matrix	.971 24.66	Tin ¹	1-794329-0	172170-1	794200-1
			Duplex ²	1-794329-1		
15	Matrix	1.134 28.80	Tin ¹	1-794330-0	172171-1	794204-1
			Duplex ²	1-794330-1		

¹Tin Finish—Plated with .000150 [.00381] min. tin over .000050 [.00127] min. nickel underplate on entire contact.

²Duplex Finish—Plated with .000030 [.000762] min. gold in mating area and matte tin on solder tail end over .000050 [.00127] min. nickel underplate on entire contact.

Note: All part numbers are RoHS Compliant.

Right-Angle PC Board Pin Headers

.163 [4.14] Centerline spacing

Material

Housing— Nylon, white color

Flammability Rating— UL94V-0

Contacts— Brass

Solder tail diameter .039 [1.00]

Related Product Data

Product Specification

108-1694 Mini-Universal MATE-N-LOK 2
Headers

Performance Characteristics—
pages 93-94

Recommended PC Board Hole

Layout— page 100

Technical Documents— pages 93
and 199-200

Mating Connectors

Mini-Universal MATE-N-LOK 2

Plug Housings— pages 95-96

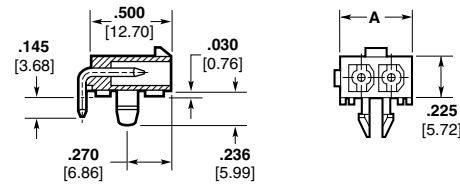
Mini-Universal MATE-N-LOK

Plug Housings— pages 83-85

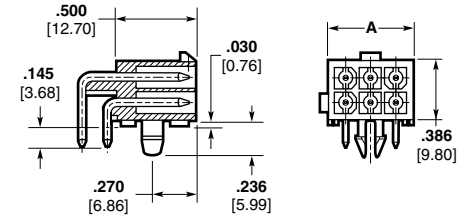
Mini-Universal MATE-N-LOK 2 Connectors (Continued)

With Board Lock Feature

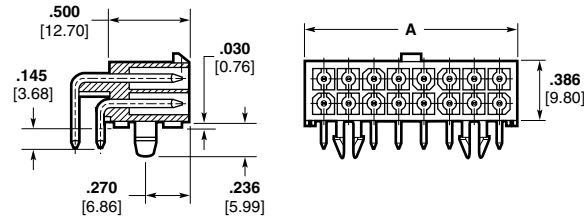
2 and 3 Circuit, In-Line



4, 6, 8, 10 and 12 Circuit, Dual Row



14, 16, 18, 20, 22 and 24 Circuit, Dual Row



Number of Circuits	Style	A Dim.	Pin Finish	Pin Header Part Number with Board Lock	Mates with Plug Housing Part Number (Using Socket Contacts)	
					Mini-Universal MATE-N-LOK	Mini-Universal MATE-N-LOK 2
2	In-line	.388 9.86	Tin ¹	1-770966-0	172165-1	794184-1
			Duplex ²	1-770966-1		
3	In-line	.551 14.00	Tin ¹	1-770967-0	172166-1	794186-1
			Duplex ²	1-770967-1		
4	Dual Row	.388 9.86	Tin ¹	1-770968-0	172167-1	794188-1
			Duplex ²	1-770968-1		
6	Dual Row	.551 14.00	Tin ¹	1-770969-0	172168-1	794190-1
			Duplex ²	1-770969-1		
8	Dual Row	.714 18.14	Tin ¹	1-770970-0	770579-1	794192-1
			Duplex ²	1-770970-1		
10	Dual Row	.877 22.28	Tin ¹	1-770971-0	770580-1	794196-1
			Duplex ²	1-770971-1		
12	Dual Row	1.040 26.42	Tin ¹	1-770972-0	770581-1	794198-1
			Duplex ²	1-770972-1		
14	Dual Row	1.203 30.56	Tin ¹	1-770973-0	770582-1	794202-1
			Duplex ²	1-770973-1		
16	Dual Row	1.366 34.70	Tin ¹	1-770974-0	770583-1	794206-1
			Duplex ²	1-770974-1		
18	Dual Row	1.529 38.84	Tin ¹	1-794105-0	770584-1	794208-1
			Duplex ²	1-794105-1		
20	Dual Row	1.692 42.98	Tin ¹	1-794106-0	770585-1	794210-1
			Duplex ²	1-794106-1		
22	Dual Row	1.855 47.12	Tin ¹	1-794107-0	770586-1	794212-1
			Duplex ²	1-794107-1		
24	Dual Row	2.018 51.26	Tin ¹	1-794108-0	770587-1	794214-1
			Duplex ²	1-794108-1		

¹Tin Finish— Plated with .000150 [.00381] min. tin over .000050 [.00127] min. nickel underplate on entire contact.

²Duplex Finish— Plated with .000030 [.000762] min. gold in mating area and matte tin on solder tail end over .000050 [.00127] min. nickel underplate on entire contact.

Note: All part numbers are RoHS Compliant.

High Density
.163 [4.14] Centerline

Mini-Universal MATE-N-LOK 2 Connectors (Continued)

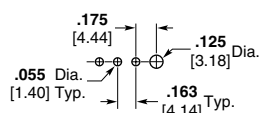
**Recommended PC Board
Hole Layouts for Vertical
and Blindmate Headers**

.062 [1.57] thick board, tolerances
non-accumulative

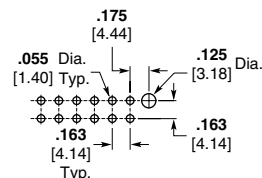
Related Product Data

Vertical Headers—pages 97-98

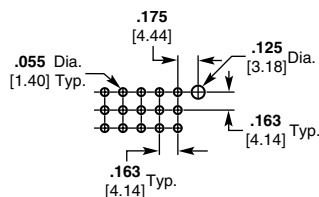
2 and 3 Circuit, In-Line



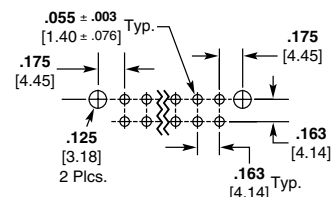
**4, 6, 8, 10 and 12 Circuit,
Dual Row**



9, 12 and 15 Circuit, Matrix



14, 16, 18, 20, 22 and 24 Circuit, Dual Row



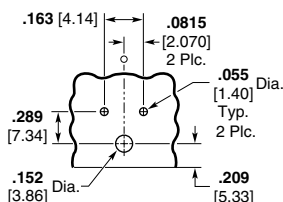
**Recommended PC Board
Hole Layouts for Right-
Angle Headers**

.062 [1.57] thick board, tolerances
non-accumulative

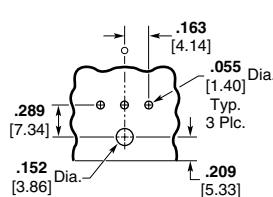
Related Product Data

Right-Angle Headers—page 99

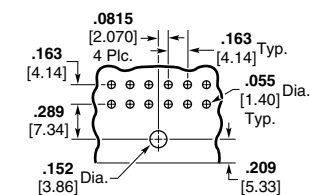
2 Circuit



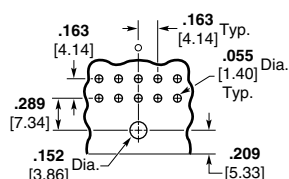
3 Circuit



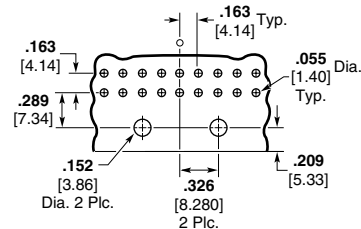
4, 8 and 12 Circuit



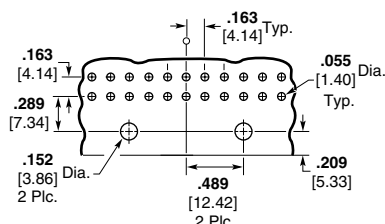
6 and 10 Circuit



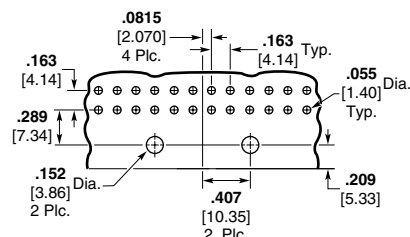
14 and 18 Circuit



22 Circuit



16, 20 and 24 Circuit



**Mini-Universal
MATE-N-LOK 2 Connector
Mating Combinations**

Mini-Universal MATE-N-LOK 2 Connectors (Continued)

Number of Circuits	Connector Part Number				Mating Connector Part Number				
	Flammability Rating	Style	Plug ¹ Housing Part No.	Cap ¹ Housing Part No.	PC Board Pin Headers ⁴				Right-Angle Board Lock
					Plating	With Drain Holes	Vertical Without Drain Holes	Blindmate	
2	UL94V-2	In-Line	794237-1	794238-1	—	—	—	—	—
	UL94V-0	In-Line	794184-1	794185-1	Tin ³ Duplex ²	1-770166-0 1-770166-1	1-770872-0 1-770872-1	— —	1-770966-0 1-770966-1
3	UL94V-2	In-Line	794239-1	794240-1	—	—	—	—	—
	UL94V-0	In-Line	794186-1	794187-1	Tin ³ Duplex ²	1-770170-0 1-770170-1	1-770873-0 1-770873-1	— —	1-770967-0 1-770967-1
4	UL94V-2	Dual Row	794241-1	794242-1	—	—	—	—	—
	UL94V-0	Dual Row	794188-1	794189-1	Tin ³ Duplex ²	1-770174-0 1-770174-1	1-770874-0 1-770874-1	1-794325-0 1-794325-1	1-770968-0 1-770968-1
6	UL94V-2	Dual Row	794243-1	794244-1	—	—	—	—	—
	UL94V-0	Dual Row	794190-1	794191-1	Tin ³ Duplex ²	1-770178-0 1-770178-1	1-770875-0 1-770875-1	1-794326-0 1-794326-1	1-770969-0 1-770969-1
8	UL94V-2	Dual Row	794245-1	794246-1	—	—	—	—	—
	UL94V-0	Dual Row	794192-1	794193-1	Tin ³ Duplex ²	1-794065-0 1-794065-1	1-794073-0 1-794073-1	1-794327-0 1-794327-1	1-770970-0 1-770970-1
9	UL94V-2	Matrix	794247-1	794248-1	—	—	—	—	—
	UL94V-0	Matrix	794194-1	794195-1	Tin ³ Duplex ²	1-770182-0 1-770182-1	1-770876-0 1-770876-1	1-794432-0 1-794432-1	— —
10	UL94V-2	Dual Row	794249-1	794250-1	—	—	—	—	—
	UL94V-0	Dual Row	794196-1	794197-1	Tin ³ Duplex ²	1-770743-0 1-770743-1	1-770858-0 1-770858-1	1-794328-0 1-794328-1	1-770971-0 1-770971-1
12	UL94V-2	Matrix	794253-1	794254-1	—	—	—	—	—
		Dual Row	794251-1	794252-1	—	—	—	—	—
	UL94V-0	Matrix	794200-1	794201-1	Tin ³ Duplex ²	1-770186-0 1-770186-1	1-794040-0 1-794040-1	1-794329-0 1-794329-1	— —
		Dual Row	794198-1	794199-1	Tin ³ Duplex ²	1-794066-0 1-794066-1	1-770621-0 1-770621-1	— —	1-770972-0 1-770972-1
14	UL94V-2	Dual Row	794255-1	794256-1	—	—	—	—	—
	UL94V-0	Dual Row	794202-1	794203-1	Tin ³ Duplex ²	1-794067-0 1-794067-1	1-794074-0 1-794074-1	— —	1-770973-0 1-770973-1
15	UL94V-2	Matrix	794257-1	794258-1	—	—	—	—	—
	UL94V-0	Matrix	794204-1	794205-1	Tin ³ Duplex ²	1-770190-0 1-770190-1	1-770859-0 1-770859-1	1-794330-0 1-794330-1	— —
16	UL94V-2	Dual Row	794259-1	794260-1	—	—	—	—	—
	UL94V-0	Dual Row	794206-1	794207-1	Tin ³ Duplex ²	1-794068-0 1-794068-1	1-794075-0 1-794075-1	— —	1-770974-0 1-770974-1
18	UL94V-2	Dual Row	794261-1	794262-1	—	—	—	—	—
	UL94V-0	Dual Row	794208-1	794209-1	Tin ³ Duplex ²	1-794069-0 1-794069-1	1-794076-0 1-794076-1	— —	1-794105-0 1-794105-1
20	UL94V-2	Dual Row	794263-1	794264-1	—	—	—	—	—
	UL94V-0	Dual Row	794210-1	794211-1	Tin ³ Duplex ²	1-794070-0 1-794070-1	1-794077-0 1-794077-1	— —	1-794106-0 1-794106-1
22	UL94V-2	Dual Row	794212-1	794213-1	—	—	—	—	—
	UL94V-0	Dual Row	794212-1	794213-1	Tin ³ Duplex ²	1-794071-0 1-794071-1	1-794078-0 1-794078-1	— —	1-794107-0 1-794107-1
24	UL94V-2	Dual Row	794267-1	794268-1	—	—	—	—	—
	UL94V-0	Dual Row	794214-1	794215-1	Tin ³ Duplex ²	1-794072-0 1-794072-1	1-794079-0 1-794079-1	— —	1-794108-0 1-794108-1

¹Mini-Universal MATE-N-LOK 2 plug and cap housings accept pin or socket contacts. Use the appropriate contacts in the plug housing as required by the mating connector. All **Plugs** and **Caps** are **free hanging**.

²Duplex Finish — Plated with .000030 [.000762] min. gold in mating area and matt tin on solder tail end over .000050 [.00127] min. nickel underplate on entire contact.

³Tin Finish — Plated with .000150 [.00381] min. tin over .000050 [.00127] min nickel underplate on entire contact.

⁴All PC Board pin headers have 94V-0 flammability rating and can mate to V-0 or V-2 plug housings.

Note: All part numbers are RoHS Compliant.

Engineering Notes