

Universal MATE-N-LOK Connectors

PC Board Vertical Pin Headers

.250 [6.35] Centerline spacing

Material

Housing—

UL94V-2 Nylon, natural color
UL94V-0 Nylon

Contacts—Phosphor bronze

Solder tail diameter .062 [1.57]

Related Product Data

Product Specification

108-1053 Universal MATE-N-LOK
PC Board Headers

Performance Characteristics—
pages 169-170

Recommended PC Board Hole Layout—page 184

Technical Documents—pages 169
and 205-206

Mating Connectors

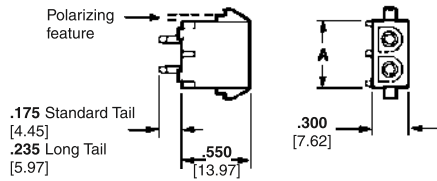
Universal MATE-N-LOK

Plug Housings—page 174

Universal MATE-N-LOK II

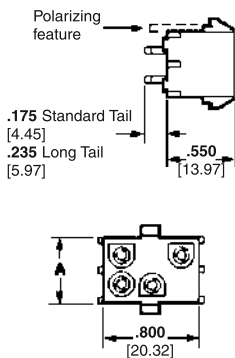
Plug Housings—pages 193-194

**2, 3, 4, 5, 6 and 8
Circuit, In-Line**



Number of Circuits	A Dim.	Flammability Rating	Pin Finish	Pin Header Part Numbers			Mates with Plug Housing Part Number (Using Socket Contacts)	
				Standard Tail ²	Standard Tail Polarized ²	Long Tail ³	Universal MATE-N-LOK	Universal MATE-N-LOK II
2	.550 13.97	UL94V-2	Pre-tin	350428-1	641963-1	350582-1	1-480698-0	—
			Duplex ¹	350428-4	641963-3	350582-4		
		UL94V-0	Pre-tin	350786-1	641964-1 1-641964-14	350787-1	350777-1	770017-1
			Duplex ¹	350786-3	641964-3	350787-3		
3	.800 20.32	UL94V-2	Pre-tin	350429-1	641965-1	350583-1	1-480700-0	—
			Duplex ¹	350429-4	—	350583-4		
		UL94V-0	Pre-tin	350789-1	641966-1 1-641966-14	350790-1	350766-1	770018-1
			Duplex ¹	350789-3	—	350790-3		
4	1.050 26.67	UL94V-2	Pre-tin	350430-1	641967-1	350584-1	1-480702-0	—
			Duplex ¹	350430-4	—	350584-4		
		UL94V-0	Pre-tin	350792-1	641968-1	350793-1	350779-1	770019-1
			Duplex ¹	350792-3	—	350793-3		
5	1.300 33.02	UL94V-2	Pre-tin	640466-1	643405-1	—	1-480763-0	—
			Duplex ¹	640466-3	—	—		
		UL94V-0	Pre-tin	640900-1	643406-1	—	350809-1	770016-1
			Duplex ¹	640900-3	—	—		
6	1.550 39.37	UL94V-2	Pre-tin	641832-1	643407-1	—	640585-1	—
		UL94V-0	Pre-tin	641831-1	643408-1	—	640581-1	—
8	2.050 52.07	UL94V-2	Pre-tin	641825-1	—	770143-1	640586-1	—
			UL94V-0	Pre-tin	641828-1	643410-1	770272-1	640582-1
		UL94V-0	Duplex ¹	—	643410-3	770272-3	—	—

**6, 9, 12 and 15
Circuit, Matrix**



Number of Circuits	A Dim.	Flammability Rating	Pin Finish	Pin Header Part Numbers			Mates with Plug Housing Part Number (Using Socket Contacts)	
				Standard Tail ²	Standard Tail Polarized ²	Long Tail ³	Universal MATE-N-LOK	Universal MATE-N-LOK II
6	.550 13.97	UL94V-2	Pre-tin	350431-1	641969-1	350585-1	1-480704-0	—
			Duplex ¹	350431-4	—	643749-15 350585-4		
		UL94V-0	Pre-tin	350711-1	641970-1 1-641970-14	350732-1	350715-1	770020-1
			Duplex ¹	350711-4	641970-3	350732-4		
9	.800 20.32	UL94V-2	Pre-tin	350432-1	641971-1	350586-1	1-480706-0	—
			Duplex ¹	350432-4	641971-3	350586-4		
		UL94V-0	Pre-tin	350712-1	641972-1 1-641972-14	350742-1	350720-1	770021-1
			Duplex ¹	350712-4	641972-3	350742-4		
12	1.050 26.67	UL94V-2	Pre-tin	350433-1	641973-1	350587-1	1-480708-0	—
			Duplex ¹	350433-4	—	350587-4		
		UL94V-0	Pre-tin	350713-1	641974-1 1-641974-14	350737-1	350735-1	770022-1
			Duplex ¹	350713-4	641974-3	350737-4		
15	1.300 33.02	UL94V-2	Pre-tin	350434-1	641975-1	350588-1	1-480710-0	—
			Duplex ¹	350434-4	—	350588-4		
		UL94V-0	Pre-tin	350714-1	641976-1	350738-1	350736-1	770023-1
			Duplex ¹	350714-4	641976-4	350738-4		

Note: Header Housings on pages 182-185 are available in **colors** listed on page 188. Call Technical Support for exact Part Numbers.

¹Duplex Finish—Plated with .000030 [.000762] min. gold in mating area, matte tin on solder tail end over .000050 [.00127] min. nickel underplate on entire contact.

²Use Standard Tail for .062 [1.57] thick PC Board. ³Use Long Tail for .125 [3.18] thick PC Board.

⁴Black in color. ⁵No drain holes, used w/ seals, page 180. **Note: All part numbers are RoHS Compliant.**

Standard Density

Universal MATE-N-LOK Connectors
.250 [6.35] Centerline