

**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

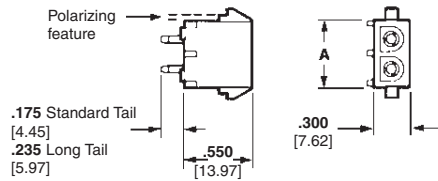
**Technical Documents**—pages 169 and 205-206

**Mating Connectors**

**Universal MATE-N-LOK**  
Plug Housings—page 174

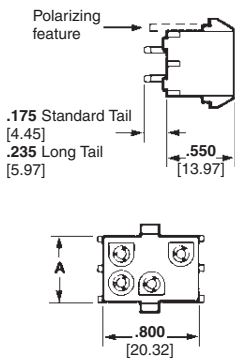
**Universal MATE-N-LOK II**  
Plug Housings—pages 193-194

**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 <sup>2</sup>	Standard Tail Polarized <sup>2</sup>	Long Tail <sup>3</sup>	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 <sup>1</sup>	350428-4	641963-3	350582-4		
		UL94V-0	Pre-tin	350786-1	641964-1 1-641964-14	350787-1	350777-1	770017-1
			Duplex <sup>1</sup>	350786-3	641964-3	350787-3		
3	.800 20.32	UL94V-2	Pre-tin	350429-1	641965-1	350583-1	1-480700-0	—
			Duplex <sup>1</sup>	350429-4	—	350583-4		
		UL94V-0	Pre-tin	350789-1	641966-1 1-641966-14	350790-1	350766-1	770018-1
			Duplex <sup>1</sup>	350789-3	—	350790-3		
4	1.050 26.67	UL94V-2	Pre-tin	350430-1	641967-1	350584-1	1-480702-0	—
			Duplex <sup>1</sup>	350430-4	—	350584-4		
		UL94V-0	Pre-tin	350792-1	641968-1	350793-1	350779-1	770019-1
			Duplex <sup>1</sup>	350792-3	—	350793-3		
5	1.300 33.02	UL94V-2	Pre-tin	640466-1	643405-1	—	1-480763-0	—
			Duplex <sup>1</sup>	640466-3	—	—		
		UL94V-0	Pre-tin	640900-1	643406-1	—	350809-1	770016-1
			Duplex <sup>1</sup>	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 <sup>1</sup>	—	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 <sup>2</sup>	Standard Tail Polarized <sup>2</sup>	Long Tail <sup>3</sup>	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 <sup>1</sup>	350431-4	—	643749-15 350585-4		
		UL94V-0	Pre-tin	350711-1	641970-1 1-641970-14	350732-1	350715-1	770020-1
			Duplex <sup>1</sup>	350711-4	641970-3	350732-4		
9	.800 20.32	UL94V-2	Pre-tin	350432-1	641971-1	350586-1	1-480706-0	—
			Duplex <sup>1</sup>	350432-4	641971-3	350586-4		
		UL94V-0	Pre-tin	350712-1	641972-1 1-641972-14	350742-1	350720-1	770021-1
			Duplex <sup>1</sup>	350712-4	641972-3	350742-4		
12	1.050 26.67	UL94V-2	Pre-tin	350433-1	641973-1	350587-1	1-480708-0	—
		UL94V-0	Pre-tin	350713-1	641974-1 1-641974-14	350737-1	350735-1	770022-1
15	1.300 33.02	UL94V-2	Pre-tin	350434-1	641975-1	350588-1	1-480710-0	—
			Duplex <sup>1</sup>	350434-4	—	350588-4		
		UL94V-0	Pre-tin	350714-1	641976-1	350738-1	350736-1	770023-1
			Duplex <sup>1</sup>	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.

<sup>1</sup>Duplex 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.  
<sup>2</sup>Use Standard Tail for .062 [1.57] thick PC Board. <sup>3</sup>Use Long Tail for .125 [3.18] thick PC Board.  
<sup>4</sup>Black in color. <sup>5</sup>No drain holes, used w/ seals, page 180. **Note: All part numbers are RoHS Compliant.**