

Universal MATE-N-LOK Connectors (Continued)

**Contacts**

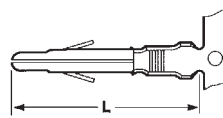
Solid pin diameter .084 [2.13]  
Stock thickness .012 [.305] unless otherwise noted.  
These contacts can be used in either Universal MATE-N-LOK Plug or Cap housings **only**.

**Related Product Data**

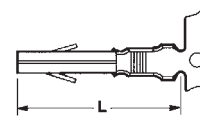
**Product Specification**  
108-1031 Universal MATE-N-LOK Connectors

**Application Specification**  
114-1010 Universal MATE-N-LOK Contacts

**Performance Characteristics**— pages 163-164  
**Technical Documents**— pages 163 and 199-200  
**Application Tooling**— pages 201-204  
**Housings**—page 168



Solid Pin



Socket

Wire Size Range AWG [mm <sup>2</sup> ]	Ins. Dia. Range	L Dim.		Material & Finish	Contact Part Numbers				HDM Applicator Part No.	Hand Tool Part No.
		Pin	Socket		Pin		Socket			
					Strip Form	Loose Piece	Strip Form	Loose Piece		
30-26 [.05-.12]	.032-.057 .813-1.45	.790 20.06	.760 19.30	Brass, Pre-tin	350924-1	770672-1	350925-1	770673-1	466616-2 <sup>6</sup> 466616-3 <sup>6</sup>	58439-1
				Phos. Brz., Gold <sup>2</sup>	350924-6	770672-6	350925-6	—		
24-18 [.2-.8]	.040-.100 1.02-2.54	.790 20.06	.760 19.30	Brass, Pre-tin	350561-1	350690-1	350851-1 350570-1 <sup>1</sup>	350689-1 <sup>1</sup>	466320-1 <sup>6</sup> 466320-2 <sup>6</sup> 466320-4 <sup>6</sup>	91510-1
				Brass, Gold <sup>2</sup>	350561-2	350690-2	350851-2	640347-2		
				Brass, Select Gold <sup>3</sup>	350561-7	350690-7	350851-7 350570-7 <sup>1</sup>	350689-7 <sup>1</sup>		
				Phos. Brz., Pre-tin	350561-3	350690-3	350570-3 <sup>1</sup>	350689-3 <sup>1</sup>		
				Phos. Brz., Select Gold <sup>3</sup>	—	—	350570-6 <sup>1</sup>	—		
20-14 [.5-2.0]	.060-.130 1.52-3.30	.790 20.06	.760 19.30	Brass, Pre-tin	350218-1	350547-1	350536-1	350550-1	687763-1 <sup>6</sup> 687763-2 <sup>6</sup> 687763-6 <sup>6</sup>	91500-1
				Brass, Gold <sup>2</sup>	350218-2	350547-2	350536-2	350550-2		
				Brass, Select Gold <sup>3</sup>	350218-7	350547-7	350536-7	350550-7		
				Phos. Brz., Pre-tin	350218-3	350547-3	350536-3	350550-3		
				Phos. Brz., Select Gold <sup>3</sup>	350218-6	350547-6	350536-6	350550-6		
20-14 [.5-2.0] or 2@18 [.8]	.130-.200 3.30-5.08	.810 20.57	.780 19.81	Brass, Pre-tin	350538-1	350552-1	350537-1	350551-1	687926-1 <sup>6</sup> 687926-2 <sup>6</sup> 687926-6 <sup>6</sup>	91508-1 <sup>7</sup> 91506-1 <sup>7</sup>
				Brass, Gold <sup>2</sup>	350538-2	350552-2	350537-2	350551-2		
				Brass, Select Gold <sup>3</sup>	350538-7	350552-7	350537-7	350551-7		
				Phos. Brz., Pre-tin	350538-3	350552-3	350537-3	350551-3		
18-14 <sup>4</sup> [.8-2.0]	.130-.200 3.30-5.08	.810 20.57	.780 19.81	Brass, Pre-tin	350873-1	—	350874-1	—	466588-1 <sup>6</sup> 466588-2 <sup>6</sup> 466588-3 <sup>6</sup>	91508-1 <sup>7</sup> 91506-1 <sup>7</sup>
				Phos. Brz., Pre-tin	350873-3	350918-3	350874-3	350919-3		
12-10 [3.0-5.0]	.200 max. <sup>5</sup> 5.08	.810 20.57	.780 19.81	Phos. Brz., Pre-tin	350922-3	640309-3	350923-3	640310-3	466597-1 <sup>6</sup> 466597-2 <sup>6</sup>	69710-1 <sup>7</sup>
				Phos. Brz., Select Gold <sup>3</sup>	350922-6	640309-6	350923-6	640310-6		

<sup>1</sup>Socket Contact — .010 [.254] stock thickness

<sup>2</sup>Gold Finish — Plated with .000030 [.000762] min. gold in mating area and inside wire barrel over .000050 [.00127] min. nickel underplate on entire contact.

<sup>3</sup>Select Gold Finish — Plated with .000030 [.000762] min. gold in mating area over .000050 [.00127] min. nickel underplate on entire contact.

<sup>4</sup>Recommended for predominant use of 14 AWG wire.

<sup>5</sup>There is no insulation barrel on this contact. Insulation maximum diameter is limited by the housing.

<sup>6</sup>HDM Applicator part number ending in -1 is used on AMPOMATOR CLS Machine with T or G Terminators, -2 is used on AMP-O-LECTRIC Model K Machine, -3, -4 & -6 are used on AMP-O-LECTRIC Model G Machine. See pages 201-204 for further information.

<sup>7</sup>Hand Tool No. 91508-1 is for wire size 20-18 AWG. Hand Tool No. 91506-1 is for wire size 16-14 AWG. Hand Tool No. 69710-1 use die set No. 58380-1 for 12 AWG and No. 58380-2 for 10 AWG.

**Note:** Phosphor bronze material contacts should be used in high temperature/humidity cycling applications.

**Note:** All part numbers are RoHS Compliant.



Contact Retention Test Tool  
Part No. 1586700-1  
IS 408-10003



Contact Extraction Tool  
Part No. 318851-1  
IS 408-4371



Contact Insertion Tool  
(For inserting contacts applied to small diameter wire)  
Part No. 91002-1  
IS 408-7347