

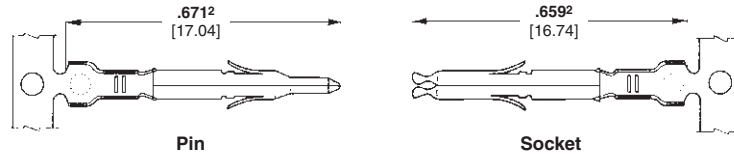
**Mini-Universal MATE-N-LOK Connectors (Continued)**

**Contacts**

Pin diameter .039 [0.99]

**Material**

Brass or Phosphor bronze  
Stock Thickness .008 [0.20]  
These contacts are to be used in Mini-Universal MATE-N-LOK Plug or Cap housings only.



**Related Product Data**

**Product Specifications**  
108-1542 Mini-Universal MATE-N-LOK Connectors  
108-1543 Mini-Universal MATE-N-LOK Headers

**Application Specification**  
114-16017 Mini-Universal MATE-N-LOK Connectors

**Performance Characteristics** — pages 83-84

**Housings** — pages 87-89

**Technical Documents** — pages 83 and 205-206

**Application Tooling** — pages 207-210

Wire Size Range AWG [mm <sup>2</sup> ]	Ins. Dia. Range	Material and Finish	Contact Part Numbers				HDM Applicator Part No.	Hand Tool Part No.
			Pin		Socket			
			Strip Form	Loose Pieces	Strip Form	Loose Pieces		
30-26 [.05-.12]	.035-.050 [.889-1.27]	Brass, Pre-tin	770835-1	794059-1	770834-1	794058-1	567418-1 <sup>3</sup>	90717-2
		Phos. Brz., Pre-tin	—	—	770834-4	—	567418-2 <sup>3</sup>	
		Brass, Duplex <sup>1</sup>	1-770835-0	1-794059-0	1-770834-0	1-794058-0	567418-3 <sup>3</sup>	
26-22 [.12-.3]	.047-.069 [1.19-1.75]	Brass, Pre-tin	770901-1	770985-1	770902-1	770986-1	567066-3 <sup>4</sup>	91529-1
		Phos. Brz., Pre-tin	—	—	770902-4	—	567066-4 <sup>4</sup>	
		Brass, Duplex <sup>1</sup>	1-770901-0	1-770985-0	1-770902-0	1-770986-0	567066-5 <sup>4</sup>	
22-18 [.3-.8] or 22 x (2) [.3]	.059-.094 [1.50-2.39] or .067 x (2) [3.38]	Brass, Pre-tin	770903-1	770987-1	770904-1	770988-1	567067-1 <sup>3</sup>	91522-1
		Phos. Brz., Pre-tin	—	—	770904-4	—	567067-2 <sup>3</sup>	
		Brass, Duplex <sup>1</sup>	1-770903-0	1-770987-0	1-770904-0	1-770988-0	567067-3 <sup>3</sup>	
20-16 [.5-1.2] or 20 x (2) [.5]	.079-.126 [2.01-3.20] or .075 x (2) [1.91]	Brass, Pre-tin	794406-1 <sup>2</sup>	171638-1 <sup>2</sup>	794407-1 <sup>2</sup>	171639-1 <sup>2</sup>	680582-2 <sup>3</sup>	91536-1
		Phos. Brz., Pre-tin	—	—	794407-4 <sup>2</sup>	—	680582-3 <sup>3</sup>	
		Brass, Duplex <sup>1</sup>	1-794406-0 <sup>2</sup>	—	1-794407-0 <sup>2</sup>	—	680582-3 <sup>3</sup>	
		Phos. Brz., Duplex <sup>1</sup>	—	—	1-794407-1 <sup>2</sup>	—		

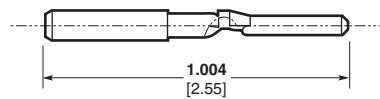
<sup>1</sup> Duplex Finish — Plated with .000030 [.000762] min. gold in mating area and .000100 [.00254] min. tin in crimping area over .000050 [.00127] min. nickel underplate on entire contact.  
<sup>2</sup> .671 [17.04] and .659 [16.74] dimensions are .689 [17.50] for indicated part numbers.  
<sup>3</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 is used on AMP-O-ELECTRIC Model G Machine. See pages 207-210 for further information.  
<sup>4</sup> HDM Applicator part number ending in -3 is used on AMPOMATOR CLS Machine with T or G Terminators, -4 is used on AMP-O-LECTRIC Model K Machine, -5 is used on AMP-O-LECTRIC Model G Machine. See pages 207-210 for further information.

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

**Keying Plug**

**Material**

UL94V-0 Nylon, white color

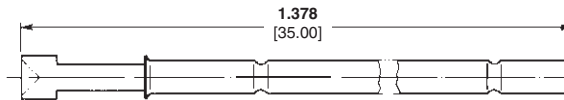


**Part Number**  
174670-1

**Test Probe Contact**

**Material and Finish**

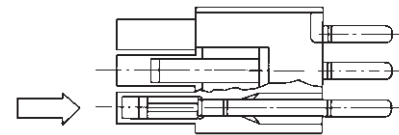
Phosphor bronze, nickel plated



**Part Number**  
172971-1

**Notes:**

1. The test probe is inserted into the housing in the same direction as indicated by the arrow shown to the right.
2. The test probe can be used in the Cap or Plug Housing.
3. Test probes are supplied unassembled.



**Contact Extraction Tool**  
No. 189727-1  
IS 408-4118



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

High Density

Mini-Universal MATE-N-LOK Connectors  
.163 [4.14] Centerline