

Universal MATE-N-LOK Connectors (Continued)

Contacts

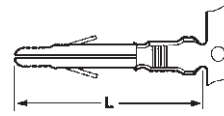
Solid pin diameter .084 [2.13]
Stock thickness .012 [.305] unless otherwise noted.
These contacts can be used in either Universal MATE-N-LOK Plug or Cap housings **only**.

Related Product Data

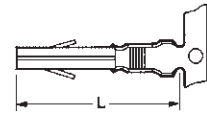
Product Specification
108-1031 Universal MATE-N-LOK Connectors

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

Performance Characteristics—
pages 169-170
Technical Documents—pages 169 and 205-206
Application Tooling—pages 207-210
Housings—page 174



Solid Pin



Socket

Wire Size Range AWG [mm ²]	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 ⁶ 466616-3 ⁶	58439-1
				Phos. Brz., Gold ²	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 ¹	350689-1 ¹	466320-1 ⁶ 466320-2 ⁶ 466320-4 ⁶	91510-1
				Brass, Gold ²	350561-2	350690-2	350851-2 350570-2 ¹	640347-2 350689-2 ¹		
				Brass, Select Gold ³	350561-7	350690-7	350851-7 350570-7 ¹	350689-7 ¹		
				Phos. Brz., Pre-tin	350561-3	350690-3	350570-3 ¹	350689-3 ¹		
				Phos. Brz., Select Gold ³	—	—	350570-6 ¹	—		
				Brass, Pre-tin	350218-1	350547-1	350536-1	350550-1		
20-14 [.5-2.0]	.060-.130 1.52-3.30	.790 20.06	.760 19.30	Brass, Gold ²	350218-2	350547-2	350536-2	350550-2	687763-1 ⁶ 687763-2 ⁶ 687763-6 ⁶	91500-1
				Brass, Select Gold ³	350218-7	350547-7	350536-7	350550-7		
				Phos. Brz., Pre-tin	350218-3	350547-3	350536-3	350550-3		
				Phos. Brz., Select Gold ³	350218-6	350547-6	350536-6	350550-6		
				Brass, Pre-tin	350538-1	350552-1	350537-1	350551-1		
20-14 [.5-2.0] or 2@18 [.8]	.130-.200 3.30-5.08	.810 20.57	.780 19.81	Brass, Gold ²	350538-2	350552-2	350537-2	350551-2	687926-1 ⁶ 687926-2 ⁶ 687926-6 ⁶	91508-17 91506-17
				Brass, Select Gold ³	350538-7	350552-7	350537-7	350551-7		
				Phos. Brz., Pre-tin	350538-3	350552-3	350537-3	350551-3		
				Phos. Brz., Select Gold ³	350538-6	350552-6	350537-6	350551-6		
18-14 ⁴ [.8-2.0]	.130-.200 3.30-5.08	.810 20.57	.780 19.81	Brass, Pre-tin	350873-1	—	350874-1	—	466588-1 ⁶ 466588-2 ⁶ 466588-3 ⁶	91508-17 91506-17
				Phos. Brz., Pre-tin	350873-3	350918-3	350874-3	350919-3		
12-10 [3.0-5.0]	.200 max. ⁵ 5.08	.810 20.57	.780 19.81	Phos. Brz., Pre-tin	350922-3	640309-3	350923-3	640310-3	466597-1 ⁶ 466597-2 ⁶ 466597-3 ⁶	69710-17
				Phos. Brz., Select Gold ³	350922-6	640309-6	350923-6	640310-6		

¹Socket Contact—.010 [.254] stock thickness

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

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

⁴Recommended for predominant use of 14 AWG wire.

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

⁶HDM 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, -4 & -6 are used on AMP-O-ELECTRIC Model G Machine. See pages 207-210 for further information.

⁷Hand 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. 1586701-1
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