

Commercial MATE-N-LOK Connectors (Continued)

Contacts

Pin diameter .084 [2.13]
Stock thickness .012 [.305]
These contacts are to be used in Commercial MATE-N-LOK housings **only**.

Related Product Data

Product Specification
108-1000 Commercial MATE-N-LOK Connectors

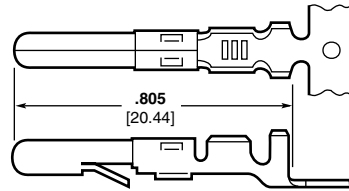
Application Specification
114-1012 Commercial MATE-N-LOK Contacts

Performance Characteristics—
pages 151-152

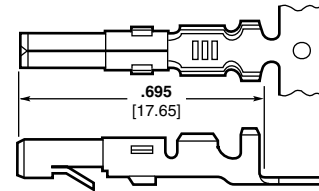
Housings—pages 157-159

Technical Documents—pages 151 and 205-206

Application Tooling—pages 207-210



Pin



Socket

Wire Size Range AWG [mm ²]	Ins. Dia. Range	Material & Finish	Contact Part Numbers				HDM Applicator Part No.	Hand Tool Part No.
			Pin		Socket			
			Strip Form	Loose Piece	Strip Form	Loose Piece		
30-22 [.05-.3]	.040-.075 1.02-1.91	Brass, Pre-tin	350079-1	61174-1	350078-1	61173-1	466426-1 ³ 466426-2 ³ 466426-3 ³	91515-1
		Phos. Brz., Pre-tin	350079-4	—	350078-4	61173-4		
		Brass, Gold ¹	350079-5	61174-5	350078-5	61173-5		
		Brass, Pre-tin	61116-1	60618-1	61314-1	60617-1		
24-18 [.2-.8]	.060-.100 1.52-2.54	Phos. Brz., Pre-tin	61116-4	60618-4	61314-4	60617-4	466320-1 ³ 466320-2 ³ 466320-4 ³	91512-1 91528-1 ⁴
		Brass, Gold ¹	61116-5	60618-5	61314-5	60617-5		
		Phos. Brz., Select Gold ²	61116-6	60618-6	61314-6	60617-6		
		Brass, Select Gold ²	61116-7	—	61314-7	—		
20-14 [.5-2.0]	.100-.130 2.54-3.30	Brass, Pre-tin	61118-1	60620-1	61117-1	60619-1	687763-1 ³ 687763-2 ³ 687763-6 ³	91504-1
		Phos. Brz., Pre-tin	61118-4	60620-4	61117-4	60619-4		
		Brass, Gold ¹	61118-5	60620-5	61117-5	60619-5		
		Phos. Brz., Gold ¹	61118-6	—	61117-6	60619-7		
(2) 18 [.8] or (2) .115 Max. (1) 18 [.8] and 2.92 (1) 16 [1.2] (stacked)		Brass, Pre-tin	350558-1	350639-1	350557-1	—	687898-1 ³ 687898-2 ³ 687898-4 ³	91504-1
		Phos. Brz., Pre-tin	350558-4	—	350557-4	350638-4		

¹Gold Finish—Plated with .000030 [.000762] min. gold in mating area and inside wire barrel over .000050 [.00127] min. nickel underplate on entire contact.

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

³HDM 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, or -6 is used on AMP-O-LECTRIC Model G Machine. See pages 207-210 for further information.

⁴Use Hand Tool No. 91528-1 for .043-.075 [1.09-1.90] insulation diameter.

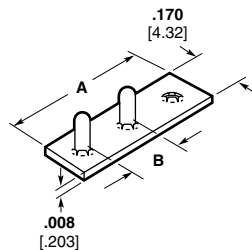
Notes:

1. Extraction Tools: Pins — No. **1-305183-1** (IS 408-7158); Sockets — No. **1-305183-2** (IS 408-7158); Pins and Sockets — No. **465644-1** (IS 408-7211)
2. Insertion Tools: No. **455830-1** (IS 408-7984)

Commoning Tabs

Material and Finish

Brass, tin plated
Stock thickness .008 [.203]



Number of Holes	Dimensions		Part Number
	A	B	
2	.377 9.58	.203 5.16	60843-1
2	.355 9.02	.195 4.95	350444-1
3	.579 14.71	.203 5.16	60842-1
3	.550 13.97	.195 4.95	350444-2

Note: Commoning tabs are designed to be used with pin housings.

Note: All part numbers are RoHS Compliant.

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Application Specification

114-1012 Commercial MATE-N-LOK Contacts

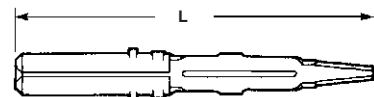
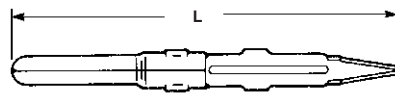
Performance Characteristics—pages 151-152

Housings—pages 157-159

Technical Documents—pages 151 and 205-206

Application Tooling—pages 207-210

PC Board Contacts



Pin

Socket

Type of Contact	L Dim.		Material & Finish	Part Numbers	
	Pin	Socket		Pin	Socket
				Loose Piece	Loose Piece
PC Board	1.110 [28.19]	1.010 [25.65]	Phos. Brz., Pre-tin	61518-11	61320-11
	1.210 [30.73]	1.110 [28.19]	Phos. Brz., Pre-tin	350074-12	350073-12

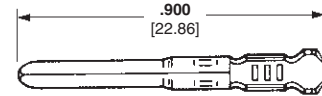
¹For .062 [1.57] max. board thickness—Board hole size .057 [1.45]

²For .125 [3.14] max. board thickness—Board hole size .057 [1.45]

Grounding Pin

(.095 [2.41] longer than standard pin)

(Mate first, break last, not for interrupting current)



Wire Size Range AWG [mm ²]	Ins. Dia. Range	Material & Finish	Contact Part Numbers		HDM Applicator Part No.	Hand Tool Part No.
			Strip Form	Loose Piece		
24-18 [2-.8]	.060-.100 1.52-2.54	Brass, Pre-tin	61527-2	—	466320-11 466320-21 466320-41	91512-1

¹HDM 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, or -6 is used on AMP-O-LECTRIC Model G Machine. See pages 207-210 for further information.

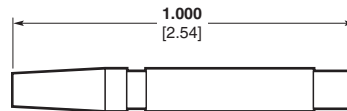
Keying Plug

IS 408-7582

Material

Housing—Nylon, natural color

Flammability Rating—UL94V-2



Part Number
200821-1

Note: Keying plug snaps into socket housing

Note: All part numbers are RoHS Compliant.