

**Solid Contacts**

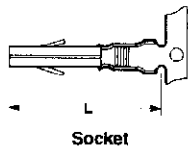
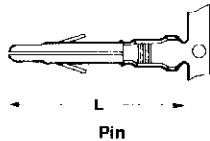
(Used in either Universal MATE-N-LOK Plug or Cap housings on page 393)

**Solid Pin Diameter** — 2.13 [.084]

**Stock Thickness** — 0.305 [.012], unless otherwise noted

**Material and Finish**

See chart at right



Wire Size Range AWG [mm <sup>2</sup> ]	Ins. Dia. Range	L Dim.		Material & Finish	Part Numbers			
		Pin	Socket		Pin		Socket	
					Strip Form	Loose Form	Strip Form	Loose Form
30-26 [.05-.12]	.813-1.45 .032-.057	20.06 .790	19.30 .760	Brass/Pre-tin	350924-1	—	350925-1	770673-1
				Phos. Brz./Gold <sup>2</sup>	—	770672-6	—	—
				Brass/Pre-tin	350561-1	350690-1	350851-1 350570-1 <sup>1</sup>	350689-1 <sup>1</sup>
				Brass/Gold <sup>2</sup>	350561-2	350690-2	350851-2	640347-2
				Brass/Sel. Gold <sup>2</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>
24-18 [2-8]	1.02-2.54 .040-.100	20.06 .790	19.30 .760	Phos. Brz./Sel. Gold <sup>2</sup>	—	—	350570-6 <sup>1</sup>	—
				Brass/Pre-tin	350218-1	350547-1	350536-1	350550-1
				Brass/Gold <sup>2</sup>	350218-2	350547-2	350536-2	350550-2
				Brass/Sel. Gold <sup>2</sup>	350218-7	350547-7	350536-7	350550-7
				Phos. Brz./Pre-tin	350218-3	350547-3	350536-3	350550-3
				Phos. Brz./Sel. Gold <sup>2</sup>	350218-6	350547-6	350536-6	350550-6
20-14 [.5-2.0]	1.52-3.30 .060-.130	20.06 .790	19.30 .760	Brass/Pre-tin	350538-1	350552-1	350537-1	350551-1
				Brass/Gold <sup>2</sup>	350538-2	350552-2	350537-2	350551-2
				Brass/Sel. Gold <sup>2</sup>	350538-7	350552-7	350537-7	350551-7
				Phos. Brz./Pre-tin	350538-3	350552-3	350537-3	350551-3
				Phos. Brz./Sel. Gold <sup>2</sup>	350538-6	—	350537-6	350661-6
				Brass/Pre-tin	350973-1	—	350874-1	—
18-14 <sup>4</sup> [.8-2.0]	3.30-5.08 .130-.200	20.57 .810	19.81 .780	Phos. Brz./Pre-tin	350873-3	350918-3	350874-3	350919-3
				Phos. Brz./Sel. Gold <sup>2</sup>	350922-3	—	350923-3	640310-3
12-10 [3.0-5.0]	5.08 max. <sup>5</sup> .200	20.57 .810	19.81 .780	Phos. Brz./Pre-tin	350922-6	640309-6	—	—
				Phos. Brz./Sel. Gold <sup>2</sup>	350922-6	640309-6	—	—

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

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

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

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

<sup>5</sup>No insulation barrel. Insulation maximum diameter is limited by the housing. Use of strain relief is recommended.

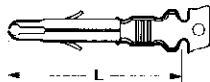
**Split Contact — Pins**

**Solid Pin Diameter** — 2.13 [.084]

**Split Pin Diameter** — 2.18 [.086]

**Stock Thickness** — 0.305 [.012]

These contacts can be used in either Universal MATE-N-LOK Plug or Cap housings only.



Wire Size Range AWG [mm <sup>2</sup> ]	Ins. Dia. Range	L Dim.	Material & Finish	Contact Part Number	
				Strip Form	Loose Form
24-18 [2-8]	1.02-2.54 .040-.100	20.06 .790	Brass, Pre-tin	350699-1	350706-1
			Brass, Gold <sup>1</sup>	350699-2	350706-2
			Brass, Select Gold <sup>2</sup>	350699-7	350706-7
20-14 [.5-2.0]	1.52-3.30 .060-.130	20.06 .790	Brass, Pre-tin	350687-1	350705-1
			Brass, Gold <sup>1</sup>	350687-2	350705-2
			Brass, Select Gold <sup>2</sup>	350687-7	350705-7
20-14 [.5-2.0]	3.30-5.08 .130-.200	20.57 .810	Brass, Pre-tin	350700-1	350707-1
			Brass, Select Gold <sup>2</sup>	350700-7	—

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

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

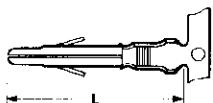
**Notes:** 1. AMP recommends split pins be used in housings having 6, 9, 12 and 15 circuits to reduce mating force.

2. Phosphor bronze material contacts are available for use in high temperature/humidity cycling applications, consult AMP.

**Grounding Contacts — Pins**

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

2.54 [.100] longer than standard pin



Wire Size Range AWG [mm <sup>2</sup> ]	Ins. Dia. Range	L Dim.	Material & Finish	Contact Part Number	
				Strip Form	Loose Form
24-18 [2-8]	1.52-3.30 .060-.130	22.60 .890	Brass, Pre-tin	770210-1	—
20-14 [.5-2.0]	1.52-3.30 .060-.130	22.60 .890	Brass, Pre-tin	350654-1	350669-1