

Singal Contacts

Type III+, Crimp, Snap-In, Size 16

Precision formed pin and socket contacts in Size 16. They are used in M Series, Special M Series, "G" Series, Metrimate, Metrimate Drawer, and CPC Series 1 and 4 connectors. Contacts feature a high normal force which provides a low resistance in significant applications such as dry circuit signal conditions. Mating entry is closed-ended to prevent damage from stubbing due to misalignment. Stainless steel spring provides superior normal force and retention in the housing. AMP proprietary gold plating process is designed so that specified plating thicknesses are controlled on the inside of the socket, which is the critical contact mating area. The contacts are formed from brass. Single contact rating is 13 amperes at 30°C T-Rise. The single contact rating for enhanced high current Type III+ is 24 amperes @ 30°C T-Rise.

See page 31 for product details.

Type III+, Solder Type, Size 16

As with the crimp snap-in Type III+, these precision formed solder-type contacts are also used in M Series, Special M Series, Metrimate, Metrimate Drawer, and CPC Series 1 and 4 connectors. Contacts feature a high normal force which provides a low resistance in significant applications, such as dry circuit conditions. A preformed wire barrel accepts both stranded and solid wire, while the preformed insulation barrel provides strain relief for various wire insulation thicknesses. Mating entry is closed-ended to prevent damage from stubbing due to misalignment. A stainless steel spring provides superior normal force and retention in the housing. AMP proprietary gold plating process is designed so that specified plating thicknesses are controlled on the inside of the socket, which is the critical contact area. Single contact current rating is 13 amperes at 30°C Temperature Rise. Single contact rating for enhanced high current Type III+ is 24 amperes at 30°C T-Rise.

See pages 34 and 35 for product details.

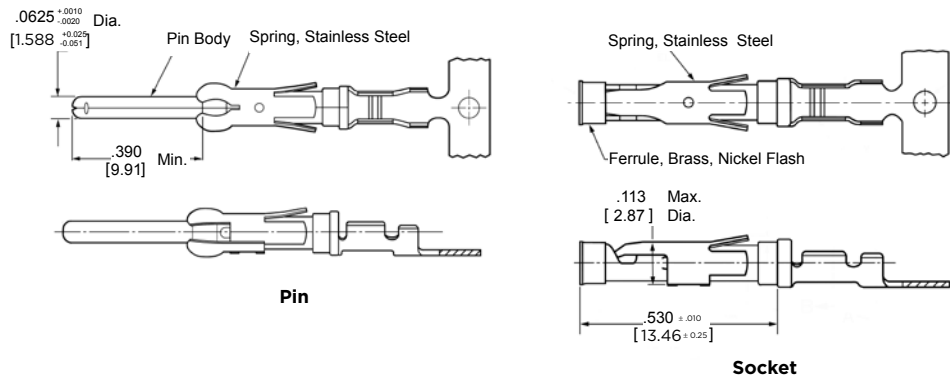
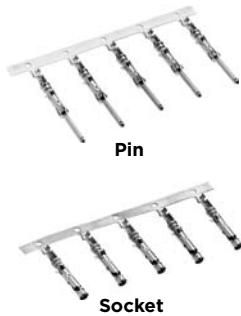
Type III+, Solder Tab, Size 16

A companion contact style to the crimp snap-in and solder-type, the Type III+ Solder Tab is compatible with the same AMP connector families, and features high normal forces to provide a low resistance in significant applications. A pre-crimped solder tab with slot accepts various sizes of solid and stranded wire. Mating entry is closed-ended to prevent stubbing due to misalignment. A stainless steel spring provides superior normal force and retention in the housing. AMP proprietary gold plating process is designed so that specified plating thicknesses are controlled on the inside of the socket, which is the critical contact area. Single contact current rating is 13 amperes at 30°C Temperature Rise.

See page 35 for product details.

Signal Contacts (Continued)

Type III+, Crimp, Snap-In



Related Product Data

Application Tooling - Pages 76-79

Technical Documents

114-10004 application Specification
108-10024 Product Specification

Material and Finish - See chart
Contact Body - Brass or phospher bronze⁷
Retention Spring - Stainless steel

**Contact Size 16 - Pin Diameter .062 [1.57]
(Test Current, 13 Ampere)†**

† Single contact, free-air test current is not to be construed as contact rating current. Use only for testing. Refer to contact current carrying capability information on page 8.

AWG	Wire Size Range mm ²	Ins. Dia. Range	Contact Finish	Strip Form Contact No.		Loose Piece Contact No.		Tooling Part No.			
				Pin	Socket	Pin	Socket	Loose Piece Hand Tool	Strip Form Applicators		
30-28	0.05-0.09	.015-.030 0.38-0.76	Gold/Nickel ²	788085-3	788088-2	—	—	90716-1	567867-1*** or 567947-1*** or 680602-□***		
			Sel. Gold/Nickel ³	788085-1	788088-1	788085-4	788088-3		—	—	
			Bright Tin	1-66425-2	1-66424-1	—	—		—	—	
30-26	0.05-0.15	.040-.060 ¹ 1.02-1.52	Gold/Nickel ²	66425-7	66424-7	66429-3	66428-3	91515-1 ⁶	466598-□***		
			Sel. Gold/Nickel ³	66425-8	66424-8	66429-4	66428-4			—	—
			Gold/Nickel ²	66393-7	66394-7	—	—			—	—
26-24	0.12-0.2	.035-.055 ¹ 0.89-1.40	Sel. Gold/Nickel ³	66393-8	66394-8	66406-4	66405-4	90225-2 ⁶	466585-3***		
			Bright Tin	1-66106-5	1-66108-5	1-66107-1	1-66109-7			—	—
			Gold/Nickel ²	66106-7	66108-7	66107-3	66109-3			91515-1 ⁶	466321-□*** or 466908-2***
24-20	0.2-0.6	.040-.080 ¹ 1.02-2.03	Sel. Gold/Nickel ³	66106-8	66108-8	66107-4	66109-4	58495-1*	466908-2***		
			Sel. Gold/Nickel ⁴	—	66108-1	—	66109-1			—	—
			Bright Tin	2-66102-5	3-66104-0	1-66103-8	1-66105-9			91515-1 ⁶	466323-□*** or 466907-2***
24-20	0.2-0.6	.060-.120 ⁵ 1.52-3.05	Gold/Nickel ²	66102-8	66104-8	66103-3	66105-3	91542-1 ⁶	466383-4*** or 466979-1*** or 567363-□***		
			Sel. Gold/Nickel ³	66102-9	66104-9	66103-4	66105-4			—	—
			Sel. Gold/Nickel ⁴	2-66102-2	2-66104-3	1-66103-2	1-66105-3			58495-1*	466907-2***
18-16	0.8-1.4	.080-.100 ¹ 2.03-2.54	Gold/Nickel ²	66332-7	66331-7	66400-3	66399-3	91523-1 ⁶	466324-□*** or 466942-1***		
			Sel. Gold/Nickel ³	66332-8	66331-8	66400-4	66399-4			—	—
			Sel. Gold/Nickel ⁴	—	66331-2	—	66399-2			90225-2 ⁶	466942-1***
18-14	0.8-2.0	.080-.100 ¹ 2.03-2.54	Bright Tin	1-66098-9 ⁵	1-66100-9	1-66099-5	1-66101-9	91505-1 ⁶ or 91523-1 ⁶ or 58495-1*	466325-□*** or 466906-1***		
			Gold/Nickel ²	66098-8	66100-8	66099-3	66101-3			—	—
			Sel. Gold/Nickel ³	66098-9	66100-9	66099-4	66101-4			—	—
18-14	0.8-2.0	.080-.100 ¹ 2.03-2.54	Bright Tin	1-66359-4	1-66358-6	1-66361-2	1-66360-2	91519-1 ⁶	466326-□*** or 466923-2***		
			Gold/Nickel ²	66359-9	66358-9	66361-3	66360-3			—	—
			Sel. Gold/Nickel ³	1-66359-0	1-66358-0	66361-4	66360-4			—	—
18-14	0.8-2.0	.110-.150 ⁵ 2.79-3.81	Sel. Gold/Nickel ⁴	1-66359-2 ⁷	1-66358-3 ⁷	66361-8 ⁷	66360-8 ⁷	91521-1 ⁶	466958-1*** or 567364-□***		
			Bright Tin	66597-8	66598-9	66602-8	66601-9			—	—
			Sel. Gold/Nickel ³	66597-2	66598-2	66602-2	66601-2			—	—

¹ Overall insulation crimp diameter, including crimp barrel, must not exceed .125 [3.18].
² .000015 [0.00038] gold in the mating area over .000050 [0.00127] min. nickel.
³ .000030 [0.00076] gold in the mating area, with gold flash on remainder, over .000050 [0.00127] min. nickel.
⁴ .000030 [0.00076] gold in the mating area, with gold gradient on remainder, over .000050 [0.00127] min. nickel.
⁵ Phosphor bronze contact body

⁶ Contacts can ONLY be used in: Metrimate; CPC Series 1 (Arr. 23-24), Series 4 (Arr. 23-13M, 23-16M, 23-22M), and VDE connectors.
⁷ To use with the 626 Pneumatic Tool, remove crimping head from Straight Action Hand Tool (SAHT), order SAHT Adapter Part No. 217201-1. Adapter Holder Part No. 356304-1 (with ratchet) or 189928-1 (without), and Power Unit Part No. 189721-1 (hand actuated) or 189722-1 (foot actuated).

⁸ Standard reeling of strip form contacts.
⁹ Commercial PRO-CRIMPER II hand tool for field repair only. Note: Die Set can be adapted for use with 626 Pneumatic Tool System. Insertion Tool Part No. 91002-1 (for insulation diameters .070 [1.78] or less). No. 200893-2 (for insulation diameters .090 [2.29] max.). Extraction Tool Part No. 305183. (Instruction Sheet 408-1216)
*** Call Technical Support for Machine Applicator Part Numbers.