

**Non-Magnetic Crimp Plugs, Series 109, Standard Density Connectors
(NASA Qualified)**

Connector Material and Finish:

Shell — Brass, gold plated

Insert — Approved material per MIL-DTL-24308

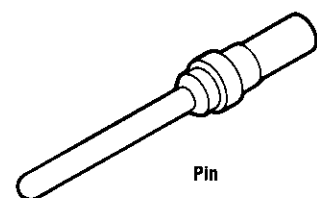
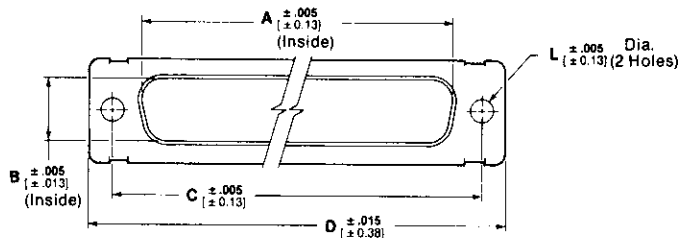
Retention Clips — Copper alloy

Related Product Data:

Cavity Identification — page 5101

Mounting, Mating Specifications — page 5143

Accessories — pages 5148-5150



Pin

Pin Contact

Wire Size Range	AMP Part No. / NASA No.
26-28 0.15-0.08	206794-2
20-24 0.6-0.2	205089-4 G-10-P1

Strip length .140 [3.56]

Max. insulation diameter .072 [1.83]

Hand tool M22520/2-01 or AMP
Part Number 601966-1

Positioner M22520/2-08 or AMP
Part Number 601966-5

Contact Material and Finish:

Copper alloy plated gold

.000050-.000100 [0.00127-0.00254]

thick over .000100-.000150

[0.00254-0.00381] copper underplate



Pin and Socket
Insertion/Extraction Tool

AMP Part Number 91067-2 or

MIL Number M81969/1-02

Insertion tip, for replacement
Part Number 126195-3

Extraction tip, for replacement
Part Number 126195-4

Non-Magnetic Plugs per NASA Specification

No. of Contact Pos. (Shell Size)	Dimensions												NASA No.	AMP Part No.
	A	B	C	D	E	F	G	H	J	K	L			
9 (1)	.666 16.92	.329 8.36	.984 24.99	1.213 30.81	.759 19.28	.494 12.55	.422 10.72	.422 10.72	.235 5.97	.030 0.76	.154 3.91 .120 3.05	311P409-1P-B-15 311P409-1P-B-12	207252-1 207252-2	
15 (2)	.994 25.25	.329 8.36	1.312 33.32	1.541 39.14	1.083 27.51	.494 12.55	.422 10.72	.422 10.72	.235 5.97	.030 0.76	.154 3.91 .120 3.05	311P409-2P-B-15 311P409-2P-B-12	206798-1 206798-2	
25 (3)	1.534 38.96	.329 8.36	1.852 47.04	2.088 53.04	1.625 41.3	.494 12.55	.422 10.72	.426 10.82	.230 5.84	.039 0.99	.154 3.91 .120 3.05	311P409-3P-B-15 311P409-3P-B-12	206800-1 206800-2	
37 (4)	2.182 55.42	.329 8.36	2.500 63.5	2.729 69.32	2.272 57.71	.494 12.55	.422 10.72	.426 10.82	.230 5.84	.039 0.99	.154 3.91 .120 3.05	311P409-4P-B-15 311P409-4P-B-12	206802-1 206802-2	
50 (5)	2.079 52.81	.441 11.20	2.406 61.11	2.635 66.93	2.178 55.32	.605 15.37	.534 13.56	.426 10.82	.230 5.84	.039 0.99	.154 3.91 .120 3.05	311P409-5P-B-15 311P409-5P-B-12	206804-1 206804-2	

Non-Magnetic Plugs With Silicone Rubber Rear Grommet¹

No. of Contact Pos. (Shell Size)	Dimensions											AMP Part No.
	A	B	C	D	E	F	G	H	J	K	L	
9 (1)	.666 16.92	.329 8.36	.984 24.99	1.213 30.81	.759 19.28	.494 12.55	.422 10.72	.422 10.72	.235 5.97	.030 0.76	.120 3.05	211638-4
15 (2)	.994 25.25	.329 8.36	1.312 33.32	1.541 39.14	1.083 27.51	.494 12.55	.422 10.72	.422 10.72	.235 5.97	.030 0.76	.120 3.05	
25 (3)	1.534 38.96	.329 8.36	1.852 47.04	2.088 53.04	1.625 41.3	.494 12.55	.422 10.72	.426 10.82	.230 5.84	.039 0.99	.120 3.05	211640-4
37 (4)	2.182 55.42	.329 8.36	2.500 63.5	2.729 69.32	2.272 57.71	.494 12.55	.422 10.72	.426 10.82	.230 5.84	.039 0.99	.120 3.05	
50 (5)	2.079 52.81	.441 11.20	2.406 61.11	2.635 66.93	2.178 55.32	.605 15.37	.534 13.56	.426 10.82	.230 5.84	.039 0.99	.120 3.05	211642-4

¹ Grommet provided for cable strain relief.

Pin and Socket Connectors