

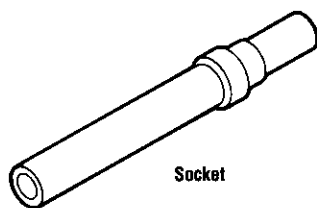
**Non-Magnetic Crimp Receptacles, Series 109, Standard Density Connectors
(NASA Qualified)**
Connector Material and Finish:
Shell — Brass, gold plated

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

Socket
Socket Contact

Wire Size Range	AMP Part No. / NASA No.
26-28 0.15-0.08	206795-1
20-24 0.6-0.2	206793-1 G-10-S1

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

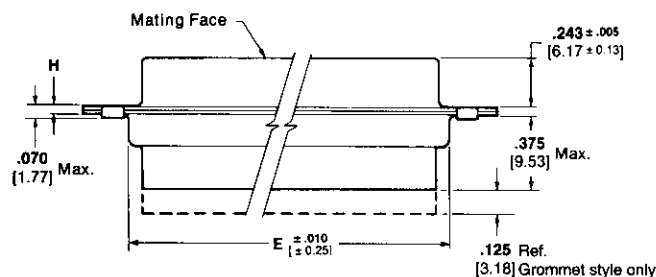
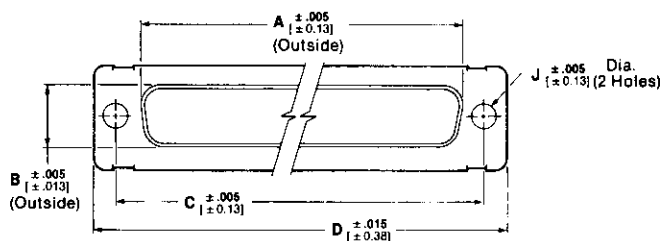
Contact Material and Finish:

Copper alloy plated gold

.000050-.000100 [0.00127-0.00254]

thick over .000100-.000150

[0.00254-0.00381] copper underplate


Non-Magnetic Receptacles per NASA Specification

No. of Contact Pos. (Shell Size)	Dimensions										NASA No.	AMP Part No.
	A	B	C	D	E	F	G	H	J			
9 (1)	.643	.311	.984	1.213	.759	.494	.422	.030	.154	311P409-1S-B-15	207253-1	
	16.33	7.9	24.99	30.81	19.28	12.55	10.72	0.76	3.91			
									.120	311P409-1S-B-12	207253-2	
									3.05			
15 (2)	.971	.311	1.312	1.541	1.083	.494	.422	.030	.154	311P409-2S-B-15	206799-1	
	24.66	7.9	33.32	39.14	27.51	12.55	10.72	0.76	3.91			
									.120	311P409-2S-B-12	206799-2	
									3.05			
25 (3)	1.511	.311	1.852	2.088	1.625	.494	.422	.039	.154	311P409-3S-B-15	206801-1	
	38.38	7.9	47.04	53.04	41.3	12.55	10.72	0.99	3.91			
									.120	311P409-3S-B-12	206801-2	
									3.05			
37 (4)	2.159	.311	2.500	2.729	2.272	.494	.422	.039	.154	311P409-4S-B-15	206803-1	
	55.42	7.9	63.5	69.32	57.71	12.55	10.72	0.99	3.91			
									.120	311P409-4S-B-12	206803-2	
									3.05			
50 (5)	2.064	.423	2.406	2.635	2.178	.605	.534	.039	.154	311P409-5S-B-15	206805-1	
	52.43	10.74	61.11	66.93	55.32	15.37	13.56	0.99	3.91			
									.120	311P409-5S-B-12	206805-2	
									3.05			

Non-Magnetic Receptacles With Silicone Rubber Rear Grommet¹

No. of Contact Pos. (Shell Size)	Dimensions									AMP Part No.
	A	B	C	D	E	F	G	H	J	
9 (1)	.643 16.33	.311 7.9	.984 24.99	1.213 30.81	.759 19.28	.494 12.55	.422 10.72	.030 0.76	.120 3.05	211633-4
15 (2)	.971 24.66	.311 7.9	1.312 33.32	1.541 39.14	1.083 27.51	.494 12.55	.422 10.72	.030 0.76	.120 3.05	211634-4
25 (3)	1.511 38.38	.311 7.9	1.852 47.04	2.088 53.04	1.625 41.3	.494 12.55	.422 10.72	.039 0.99	.120 3.05	211635-4
37 (4)	2.159 54.84	.311 7.9	2.500 63.5	2.729 69.32	2.272 57.71	.494 12.55	.422 10.72	.039 0.99	.120 3.05	211636-4
50 (5)	2.064 52.43	.423 10.74	2.406 61.11	2.635 66.93	2.178 55.32	.605 15.37	.534 13.56	.039 0.99	.120 3.05	211637-4

¹ Grommet provided for cable strain relief.

**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