

# 233-100-H7 Jam nut mount hermetic receptacle

## MIL-DTL-38999 Series III type

How To Order Commercial						
<b>Sample Part Number</b>	<b>233-100</b>	<b>-H7</b>	<b>Z1</b>	<b>11-35</b>	<b>P</b>	<b>N</b>
<b>Series / Basic Part No.</b>	Series 23 SuperNine® Hermetic Receptacle					
<b>Connector Style</b>	<b>H7</b> = Jam Nut Mount					
<b>Finish*</b>	<b>Z1</b> = CRES, Passivated <b>ZL</b> = CRES, Nickel Finish					
<b>Shell Size-Insert Arrangement*</b>	Per MIL-STD-1560					
<b>Contact Type</b>	<b>P</b> = Pin, Solder Cup <b>X</b> = Pin, Eyelet <b>C</b> = Pin, PCB		<b>S</b> = Socket, Solder Cup <b>Z</b> = Socket, Eyelet <b>D</b> = Socket, PCB			
<b>Alternate Key Position*</b>	<b>A, B, C, D, E, N</b> = Normal					

**\*Refer to Section A for complete details**  
Modification codes may be added directly to the end of any valid part number

D

Dimensions									
Shell Size Code	Shell Size	A Thread -0.1P-0.03L-TS	B Dia	C A/F ±.015 (0.4)	D Flat ±.005 (0.1)	E Dia ±.012 (0.3)	F Dia	G Thread Iso Metric	H ±.032 (0.8)
A	9/09	0.625	1.200(30.5) 1.178(29.9)	1.063(27.0)	.650(16.5)	.603(15.3)	.653(16.6) .642(16.3)	M17 X 1.0-6g	.094(2.4)
B	11	0.750	1.385(35.2) 1.363(34.6)	1.252(31.8)	.750(19.1)	.725(18.4)	.775(19.7) .764(19.4)	M20 X 1.0-6g	.094(2.4)
C	13	0.875	1.511(38.4) 1.489(37.8)	1.374(34.9)	.937(23.8)	.851(21.6)	.905(23.0) .894(22.7)	M25 X 1.0-6g	.094(2.4)
D	15	1.000	1.637(41.6) 1.615(41.0)	1.500(38.1)	1.061(26.9)	.977(24.8)	1.031(26.2) 1.020(25.9)	M28 X 1.0-6g	.094(2.4)
E	17	1.187	1.763(44.8) 1.741(44.2)	1.626(41.3)	1.186(30.1)	1.103(28.0)	1.153(29.3) 1.142(29.0)	M32 X 1.0-6g	.094(2.4)
F	19	1.250	1.948(49.5) 1.926(48.9)	1.811(46.0)	1.311(33.3)	1.229(31.2)	1.278(32.5) 1.268(32.2)	M35 X 1.0-6g	.094(2.4)
G	21	1.375	2.074(52.7) 2.051(52.1)	1.937(49.2)	1.436(36.5)	1.351(34.3)	1.405(35.7) 1.394(35.4)	M38 X 1.0-6g	.094(2.4)
H	23	1.500	2.200(55.9) 2.177(55.3)	2.063(52.4)	1.561(39.6)	1.477(37.5)	1.531(38.9) 1.520(38.6)	M41 X 1.0-6g	.094(2.4)
J	25	1.625	2.322(59.0) 2.300(58.4)	2.189(55.6)	1.686(42.8)	1.603(40.7)	1.653(42.0) 1.642(41.7)	M44 X 1.0-6g	.094(2.4)

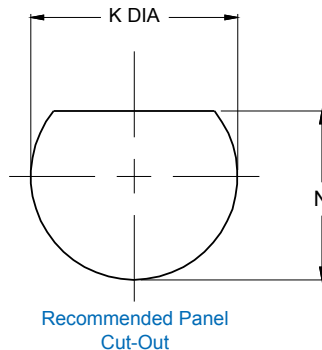
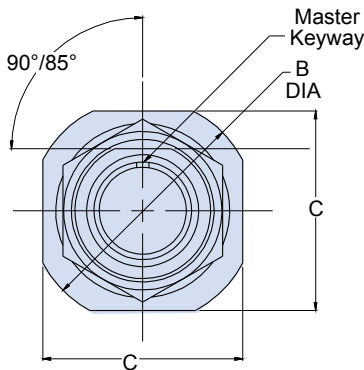
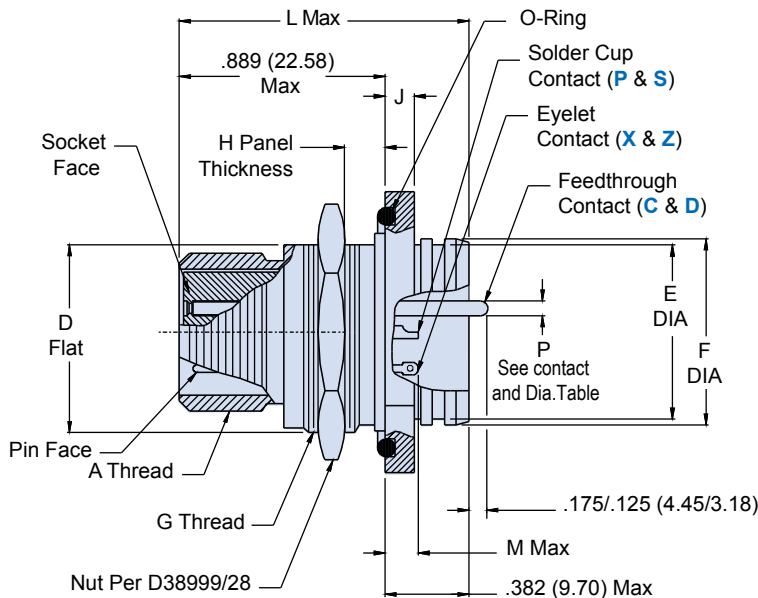
Dimensions (Continued)					
J ±.008(0.2)	K Dia ±.005 (0.1)	L Max	M Max		N ±.005 (0.1)
			P&X	S&Z	
.106(2.7)	.693 (17.60)	1.149(29.2)	.208(5.3)	.232(5.9)	.657 (16.70)
.106(2.7)	.825 (20.96)	1.149(29.2)	.208(5.3)	.232(5.9)	.771 (19.59)
.106(2.7)	1.010 (25.65)	1.153(29.3)	.200(5.1)	.224(5.7)	.955 (24.26)
.106(2.7)	1.135 (28.83)	1.153(29.3)	.200(5.1)	.224(5.7)	1.085 (27.56)
.106(2.7)	1.260 (32.01)	1.153(29.3)	.200(5.1)	.224(5.7)	1.210 (30.73)
.138(3.5)	1.385 (35.18)	1.185(30.1)	.200(5.1)	.224(5.7)	1.335 (33.91)
.138(3.5)	1.510 (38.35)	1.185(30.1)	.200(5.1)	.224(5.7)	1.460 (37.08)
.138(3.5)	1.635 (41.53)	1.185(30.1)	.200(5.1)	.224(5.7)	1.585 (40.26)
.138(3.5)	1.760 (44.70)	1.185(30.1)	.200(5.1)	.224(5.7)	1.710 (43.43)

Mates With	
Plug Part Number	Description
<b>233-105SG6</b>	SuperNine® plug with single integrated band porch
<b>233-105BG6</b>	SuperNine® plug with integrated band porch and boot groove
<b>233-105DG6</b>	SuperNine® plug with double integrated band porch
<b>233-105-G6</b>	SuperNine® plug with accessory attachment threads



How To Order: MS						
Sample Part Number	D38999	/23	Y	11-35	P	N
Series / Basic Part No.	MIL-DTL-D38999 Series III Type					
Connector Style	/23 = Jam Nut Mount					
Finish*	Y = CRES, Passivated N = CRES, Nickel Finish					
Shell Size - Insert Arrangement*	Per MIL-STD-1560					
Contact Type	P = Pin, Solder Cup X = Pin, Eyelet C = Pin, PCB Flex Feedthru		S = Socket, Solder Cup Z = Socket, Eyelet D = Socket, PCB Flex Feedthru			
Alternate Key Position*	A, B, C, D, E, N = Normal					

\*Refer to Section A for complete details  
Modification codes may be added directly to the end of any valid part number



Contact Size & Dia.	
PRINTED CIRCUIT TAIL CONFIGURATIONS CONTACT STYLE C AND D	
Contact Size	ø P
22D	.011 (0.28) .015 (0.38)
20	.024 (0.61) .028 (0.71)
16	.0635 (1.61) .0615 (1.56)
12	.095 (2.41) .093 (2.36)

Wire Accommodation	
Contact Size	Wire Gauge
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14

Hermetic Leak Rate Mod Codes	
Designator	Required Leak Rate
-585A	1 x 10 <sup>-10</sup> cc Helium per second
-585B	1 x 10 <sup>-9</sup> cc Helium per second
-585C	1 x 10 <sup>-8</sup> cc Helium per second

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