



MS27477

Jam Nut Mount Hermetic Receptacle

MIL-DTL-38999 Series II

How To Order: MS

Shell Style

MS27477 - Jam Nut Mount, Series II

Connector Material / Finish

D - Carbon Steel - Fused Tin Finish
E - Stainless Steel - Passivate Finish
N - Stainless Steel - Nickel Finish

Contact Termination

P - Pin, Solder Cup **S** - Socket, Solder Cup
X - Pin, Eyelet **Z** - Socket, Eyelet
C - Pin, PCB **D** - Socket, PCB
 Flex Feedthrough Flex Feedthrough

Class

Y - Hermetic

MS27477

Y

10

N

35

P

A

Shell Size

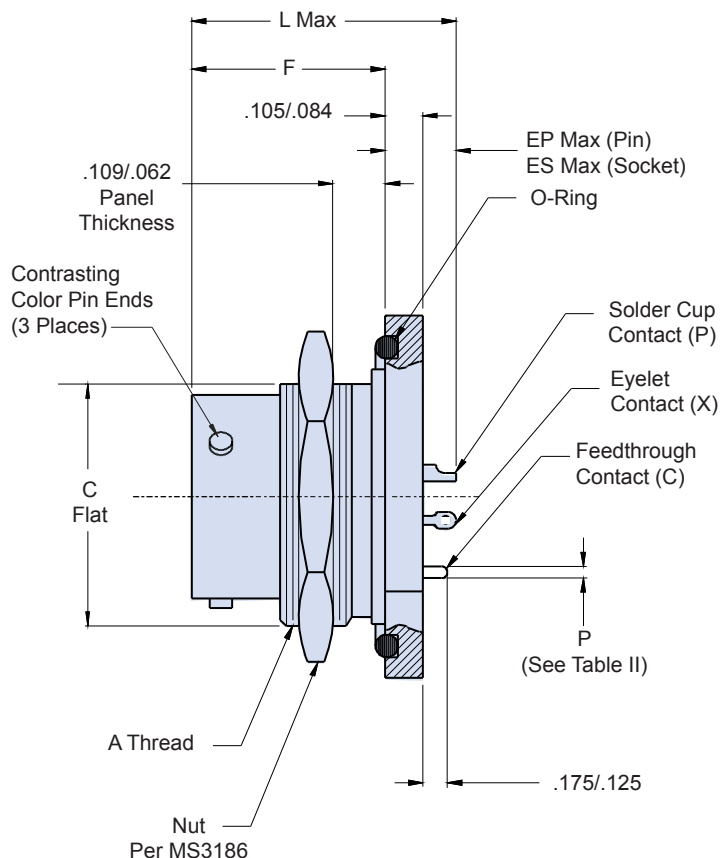
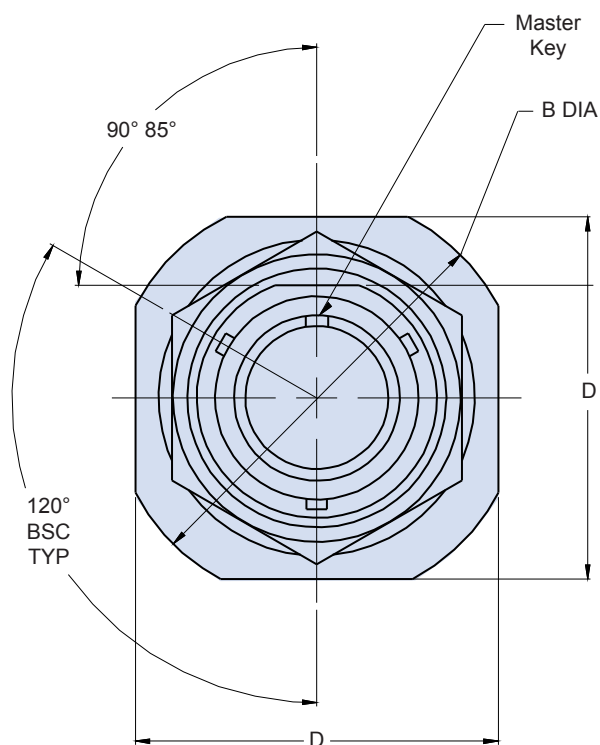
8, 10, 12, 14, 16, 18, 20, 22, 24

Insert Arrangement

MIL-DTL-38999 Series II
 Hermetic Inserts Per
 MIL-STD-1560;
 See Pages B-2 - B-4

Alternate Key Position

A, B, C, D
 (Omit for Normal)



Dimensions in Inches (millimeters) are subject to change without notice.

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GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912
 www.glenair.com B-34 E-Mail: sales@glenair.com

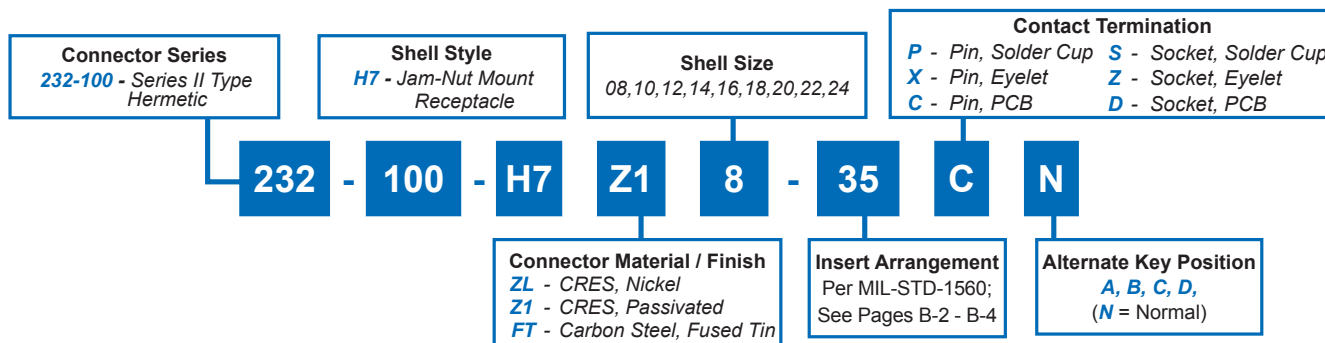
Rev 03/02/2018

232-100-H7
Jam Nut Mount Hermetic Receptacle
MIL-DTL-38999 Series II Type



How To Order: Commercial

B



WIRE ACCOMODATION	
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 ⁻¹⁰ cc Helium per second
-585B	1 x 10 ⁻⁹ cc Helium per second
-585C	1 x 10 ⁻⁸ cc Helium per second

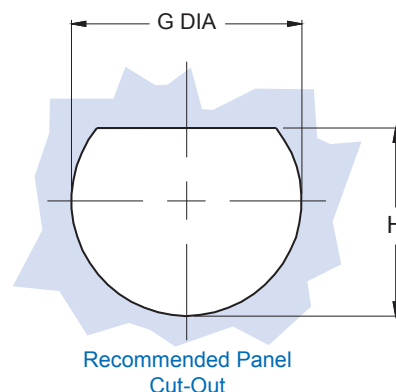


TABLE I: CONNECTOR DIMENSIONS				
SHELL SIZE	A THREAD CLASS 2A	B DIA ±.016(0.4)	C FLAT ±.004(0.1)	D A/F ±.016(0.4)
8/08	.875-20 UNEF	1.375(34.9)	.815(20.7)	1.25(31.8)
10	1.000-20 UNEF	1.5(38.1)	.939(23.9)	1.375(34.9)
12	1.125-18 UNEF	1.625(41.3)	1.063(27.0)	1.5(38.1)
14	1.250-18 UNEF	1.75(44.5)	1.188(30.2)	1.625(41.3)
16	1.375-18 UNEF	1.938(49.2)	1.318(33.5)	1.781(45.2)
18	1.500-18 UNEF	2.016(51.2)	1.438(36.5)	1.890(48.0)
20	1.625-18 UNEF	2.141(54.4)	1.563(39.7)	2.016(51.2)
22	1.750-18 UNS	2.265(57.5)	1.688(42.9)	2.140(54.4)
24	1.875-16 UN	2.39(60.7)	1.813(46.1)	2.265(57.5)

TABLE I (CONTINUED): CONNECTOR DIMENSIONS						
SHELL SIZE	EP MAX	ES MAX	F ±.005(0.1)	G DIA ±.005(0.1)	H ±.005(0.1)	L MAX
8/08	.281 (7.1)	.359 (9.1)	.438(11.1)	.885(22.48)	.830(21.08)	.724(18.4)
10	.281 (7.1)	.359 (9.1)	.438(11.1)	1.010(25.65)	.955(24.26)	.724(18.4)
12	.281 (7.1)	.359 (9.1)	.438(11.1)	1.135(28.83)	1.085(27.56)	.724(18.4)
14	.281 (7.1)	.359 (9.1)	.438(11.1)	1.260(32.01)	1.210(30.73)	.724(18.4)
16	.281 (7.1)	.359 (9.1)	.438(11.1)	1.385(35.18)	1.335(33.91)	.724(18.4)
18	.281 (7.1)	.359 (9.1)	.438(11.1)	1.510(38.35)	1.460(37.08)	.724(18.4)
20	.250 (6.4)	.344 (8.7)	.464(11.8)	1.635(41.53)	1.585(40.26)	.719(18.3)
22	.250 (6.4)	.344 (8.7)	.464(11.8)	1.760(44.70)	1.709(43.42)	.719(18.3)
24	.250 (6.4)	.344 (8.7)	.464(11.8)	1.885(47.88)	1.835(46.61)	.719(18.3)

TABLE II: CONTACT SIZE	
PRINTED CIRCUIT TAIL CONFIGURATIONS CONTACT STYLE C AND D	
SIZE 12 AND SIZE 16 .050 ± .015 (1.27 ± 0.38)	
SIZE 22D AND SIZE 20	
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)

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