



D38999/23

Jam Nut Mount Hermetic Receptacle

MIL-DTL-38999 Series III

How To Order: MS

Basic Specification
D38999

Connector Material / Finish
N - CRES, Nickel
Y - CRES, Passivated

Insert Arrangement
Per MIL-STD-1560;
See Pages B2 - B4

Alternate Key Position
A, B, C, D, E
(N = Normal)

D38999

/23

Y

B

35

P

N

Shell Style

/23 - Jam Nut Mount

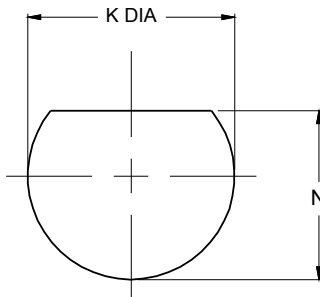
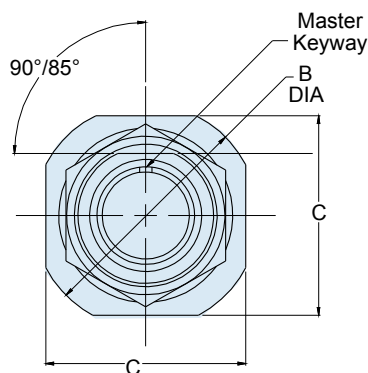
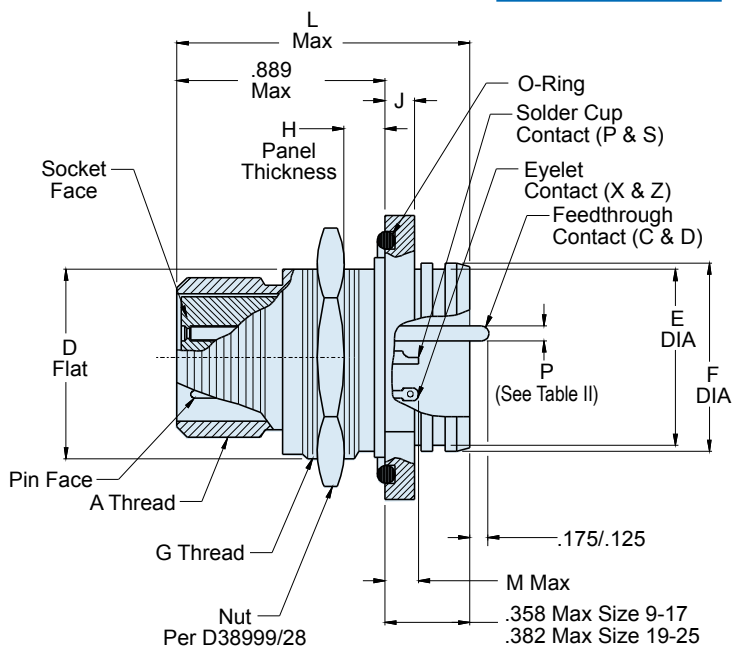
Shell Size

A - 9 F - 19
B - 11 G - 21
C - 13 H - 23
D - 15 J - 25
E - 17

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

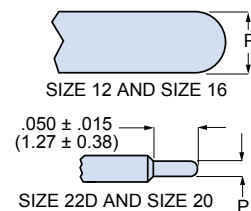
**Non-Environmental
Rear Accessory Thread Adapter
Available for this Receptacle
See P/N 980-002 on Page B-90**



Recommended Panel
Cut-Out

TABLE II: CONTACT SIZE

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 ACCOMODATION

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

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

233-100-H7

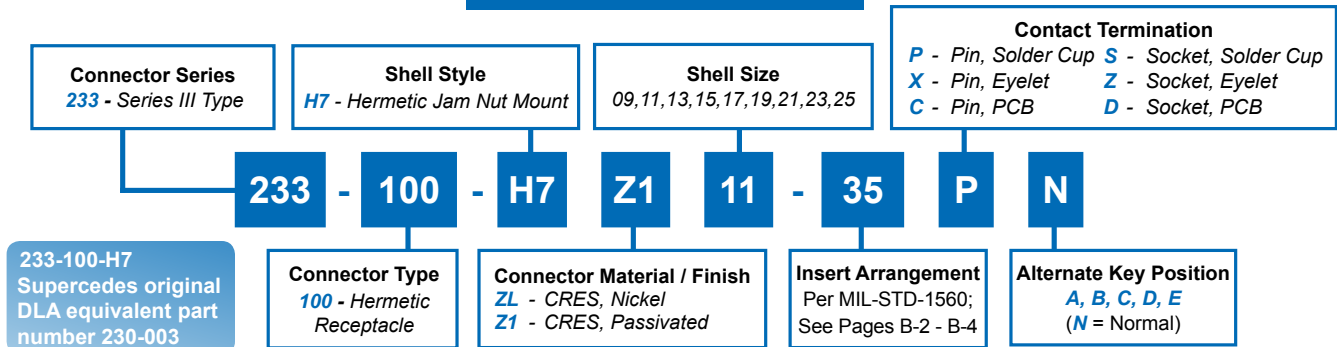
Jam Nut Mount Hermetic Receptacle

MIL-DTL-38999 Series III Type



MIL-DTL-38999 Type
Hermetic Connectors

How To Order: Commercial



B

TABLE I: CONNECTOR 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	1.201 (30.5) 1.177 (29.9)	1.063(27.0)	.650(16.5)	.602(15.3)	.653(16.6) .642(16.3)	M17 X 1.0-6g	.094(2.4)
B	11	0.750	1.386 (35.2) 1.362 (34.6)	1.252(31.8)	.750(19.1)	.724(18.4)	.775(19.7) .764(19.4)	M20 X 1.0-6g	.094(2.4)
C	13	0.875	1.512 (38.4) 1.488 (37.8)	1.374(34.9)	.937(23.8)	.850(21.6)	.905(23.0) .894(22.7)	M25 X 1.0-6g	.094(2.4)
D	15	1.000	1.638 (41.6) 1.614 (41.0)	1.500(38.1)	1.061(26.9)	.976(24.8)	1.031(26.2) 1.020(25.9)	M28 X 1.0-6g	.094(2.4)
E	17	1.187	1.764 (44.8) 1.740 (44.2)	1.626(41.3)	1.186(30.1)	1.102(28.0)	1.153(29.3) 1.142(29.0)	M32 X 1.0-6g	.094(2.4)
F	19	1.250	1.949 (49.5) 1.925 (48.9)	1.811(46.0)	1.311(33.3)	1.228(31.2)	1.278(32.5) 1.268(32.2)	M35 X 1.0-6g	.094(2.4)
G	21	1.375	2.075 (52.7) 2.050 (52.1)	1.937(49.2)	1.436(36.5)	1.350(34.3)	1.405(35.7) 1.394(35.4)	M38 X 1.0-6g	.094(2.4)
H	23	1.500	2.201 (55.9) 2.177 (55.3)	2.063(52.4)	1.561(39.6)	1.476(37.5)	1.531(38.9) 1.520(38.6)	M41 X 1.0-6g	.094(2.4)
J	25	1.625	2.323 (59.00) 2.299 (58.39)	2.189(55.6)	1.686(42.8)	1.602(40.7)	1.653(42.0) 1.642(41.7)	M44 X 1.0-6g	.094(2.4)

TABLE I: (Continued) CONNECTOR DIMENSIONS

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)	1.150(29.2)	.209(5.3)	.232(5.9)	.658±.003 (16.71±.08)
.106(2.7)	.825 (20.96)	1.150(29.2)	.209(5.3)	.232(5.9)	.766 (19.46)
.106(2.7)	1.010 (25.65)	1.154(29.3)	.201(5.1)	.224(5.7)	.950 (24.13)
.106(2.7)	1.135 (28.83)	1.154(29.3)	.201(5.1)	.224(5.7)	1.080 (27.43)
.106(2.7)	1.260 (32.01)	1.154(29.3)	.201(5.1)	.224(5.7)	1.205 (30.61)
.138(3.5)	1.385 (35.18)	1.183(30.1)	.201(5.1)	.224(5.7)	1.330 (33.78)
.138(3.5)	1.510 (38.35)	1.183(30.1)	.201(5.1)	.224(5.7)	1.455 (36.96)
.138(3.5)	1.635 (41.53)	1.183(30.1)	.201(5.1)	.224(5.7)	1.580 (40.13)
.138(3.5)	1.760 (44.70)	1.183(30.1)	.201(5.1)	.224(5.7)	1.705 (43.31)

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

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

© 2013 Glenair, Inc.

U.S. CAGE Code 06324

Printed in U.S.A.

GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912
 www.glenair.com B-51 E-Mail: sales@glenair.com