

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

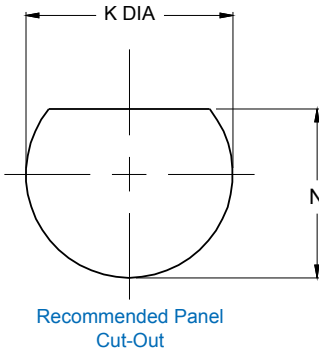
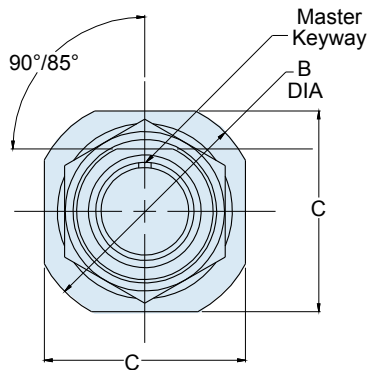
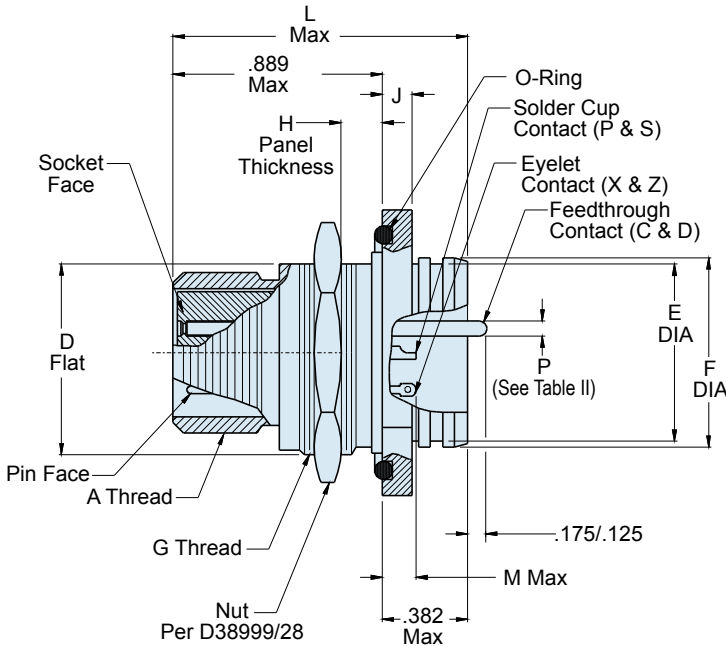
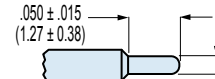


TABLE II: CONTACT SIZE

PRINTED CIRCUIT TAIL CONFIGURATIONS
CONTACT STYLE C AND D



SIZE 12 AND SIZE 16



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)

WIRE ACCOMODATION

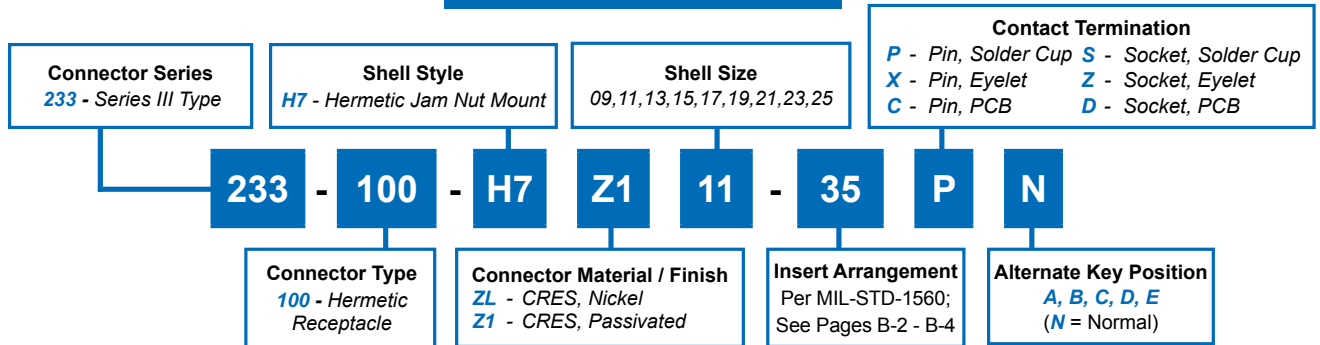
Contact Size	Wire Gauge
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14

233-100-H7 Jam Nut Mount Hermetic Receptacle MIL-DTL-38999 Series III Type



MIL-DTL
38999 Type

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	1.200(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)

TABLE I: (Continued) CONNECTOR DIMENSIONS

J ±.008(0.2)	K DIA ±.005 (0.1)	L MAX	M MAX		N +.000 -.002 (.05)
			P&X	S&Z	
.106(2.7)	.698 (17.7)	1.149(29.2)	.208(5.3)	.232(5.9)	.698 (17.7)
.106(2.7)	.830 (21.1)	1.149(29.2)	.208(5.3)	.232(5.9)	.830 (21.1)
.106(2.7)	1.015 (25.8)	1.153(29.3)	.200(5.1)	.224(5.7)	1.015 (25.8)
.106(2.7)	1.140 (29.0)	1.153(29.3)	.200(5.1)	.224(5.7)	1.140 (29.0)
.106(2.7)	1.265 (32.1)	1.153(29.3)	.200(5.1)	.224(5.7)	1.265 (32.1)
.138(3.5)	1.390 (35.3)	1.185(30.1)	.200(5.1)	.224(5.7)	1.390 (35.3)
.138(3.5)	1.515 (38.5)	1.185(30.1)	.200(5.1)	.224(5.7)	1.515 (38.5)
.138(3.5)	1.640 (41.7)	1.185(30.1)	.200(5.1)	.224(5.7)	1.640 (41.7)
.138(3.5)	1.765 (44.8)	1.185(30.1)	.200(5.1)	.224(5.7)	1.765 (44.8)

HERMETIC LEAK RATE MOD CODES

Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc's Helium per second
-585B	1 x 10 ⁻⁹ cc's Helium per second
-585C	1 x 10 ⁻⁸ cc's Helium per second