

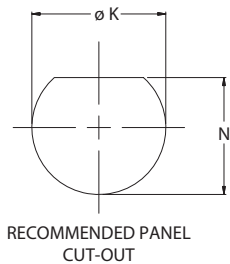
MIL-DTL-38999 Series III Type

233-277 1000 PSI rated piston seal solder cup receptacle

HERMETIC CONNECTORS

Part Number Development								
Sample Part Number	233-277			-H7	Z1	9-35	P	T
Series / Basic Part No.	Series 23 SuperNine Hermetic							
Connector Style	H7 = Jam-Nut Mount with Accessory Thread BH7 = Jam-Nut Mount with Single Band, Banding Porch							
Finish*	Z1 = CRES, Passivated ZL = CRES, Nickel Finish							
Shell Size/Insert Arrangement*	Per MIL-DTL-38999/MIL-STD-1560							
Contact Style	P = Pin Face, Solder Cup S = Socket Face, Solder Cup							
Polarization*	V, W, X, Y, Z, T = Normal							

*Refer to Section A for complete details, consult factory for additional options
Modification codes may be added directly to the end of any valid part number



Jam-Nut Panel Cut-Out Dimensions			
SHELL SIZE CODE	SHELL SIZE	K DIA	N
A	9	.703 (17.86)	.661 (16.79)
		.693 (17.60)	.656 (16.66)
B	11	.835 (21.21)	.771 (19.58)
		.825 (20.96)	.761 (19.33)
C	13	1.020 (25.91)	.955 (24.26)
		1.010 (25.65)	.945 (24.00)
D	15	1.145 (29.08)	1.085 (27.56)
		1.135 (28.83)	1.075 (27.30)
E	17	1.270 (32.26)	1.210 (30.73)
		1.260 (32.00)	1.200 (30.48)
F	19	1.395 (35.43)	1.335 (33.91)
		1.385 (35.18)	1.325 (33.65)
G	21	1.520 (38.61)	1.460 (37.08)
		1.510 (38.35)	1.450 (36.83)
H	23	1.645 (41.78)	1.585 (40.26)
		1.635 (41.53)	1.575 (40.00)
J	25	1.770 (44.96)	1.710 (43.43)
		1.760 (44.70)	1.700 (43.18)

Band Platform Dimensions			
SHELL SIZE CODE	SHELL SIZE	øEE	øFF
A	9	.475 (12.07)	.538 (13.67)
B	11	.600 (15.24)	.662 (16.81)
C	13	.700 (17.78)	.762 (19.35)
D	15	.835 (21.21)	.898 (22.81)
E	17	.960 (24.38)	1.022 (25.96)
F	19	1.062 (26.97)	1.125 (28.58)
G	21	1.188 (30.18)	1.250 (31.75)
H	23	1.275 (32.39)	1.338 (33.99)
J	25	1.475 (37.47)	1.538 (39.07)

Material/finish:

- Shell and jam-nut: 300 series CRES per part number development
- Contacts, pin: nickel iron alloy 52/gold plate
- Contacts, socket: copper alloy/gold plate
- Insulator, hermetic: fused vitreous glass/none
- Insulator, socket: high grade rigid dielectric/none.
- O-ring and Seals: fluorosilicone/none

NOTES

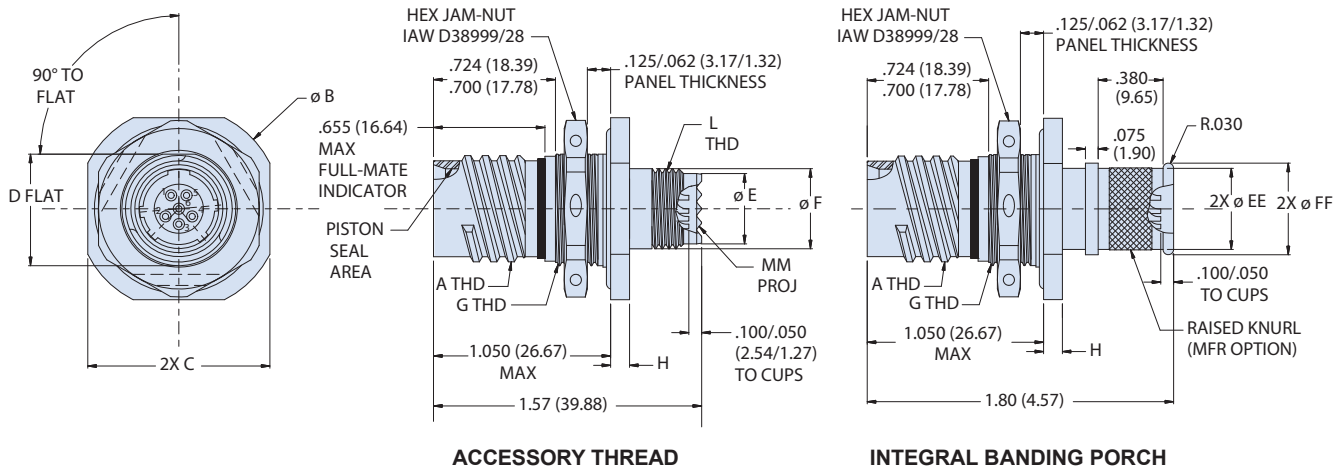
1. Hermeticity: 1×10^{-7} ccHe/sec @ 1 ATM, delta pressure
2. Glenair 233-277-H7 and 233-277-BH7 receptacle connector is designed to mate with 233-274 plug connector having the same insert arrangement, polarization, and opposite contact gender.

MIL-DTL-38999 Series III Type

233-277 1000 PSI rated piston seal solder cup receptacle

HERMETIC CONNECTORS

233-277-H7 OR -BH7 JAM-NUT RECEPTACLE WITH ACCESSORY THREADS OR BANDING PORCH



Dimensions										
SHELL SIZE	A THREAD -0.1P-0.3L-TS	ø B	C A/F ±.015	D FLAT ±.005	ø E ±.003	ø F REF	G THREAD ISO METRIC	H ±.008	L THREAD ISO METRIC	MM PROJ
9	0.625	1.201 (30.51) 1.177 (29.90)	1.063 (27.00)	0.650 (16.51)	0.413 (10.49)	0.472 (11.99)	M17 X 1.0-6g	0.106 (2.69)	M12 X 1.0-6g	12
11	0.750	1.386 (35.20) 1.362 (34.59)	1.252 (31.80)	0.750 (19.05)	0.531 (13.49)	0.591 (15.01)	M20 X 1.0-6g	0.106 (2.69)	M15 X 1.0-6g	16
13	0.875	1.512 (38.40) 1.488 (37.80)	1.374 (34.90)	0.937 (23.80)	0.650 (16.51)	0.789 (20.04)	M25 X 1.0-6g	0.106 (2.69)	M18 X 1.0-6g	20
15	1.000	1.638 (41.61) 1.614 (41.00)	1.500 (38.10)	1.061 (26.95)	0.807 (20.50)	0.866 (22.00)	M28 X 1.0-6g	0.106 (2.69)	M22 X 1.0-6g	24
17	1.187	1.764 (44.81) 1.740 (44.20)	1.626 (41.30)	1.186 (30.12)	0.925 (23.50)	0.984 (24.99)	M32 X 1.0-6g	0.106 (2.69)	M25 X 1.0-6g	28
19	1.250	1.949 (49.50) 1.925 (48.90)	1.811 (46.00)	1.311 (33.30)	1.043 (26.49)	1.102 (27.99)	M35 X 1.0-6g	0.138 (3.51)	M28 X 1.0-6g	32
21	1.375	2.075 (52.71) 2.051 (52.10)	1.937 (49.20)	1.436 (36.47)	1.161 (29.49)	1.220 (30.99)	M38 X 1.0-6g	0.138 (3.51)	M31 X 1.0-6g	36
23	1.500	2.201 (55.91) 2.177 (55.30)	2.063 (52.40)	1.561 (39.65)	1.279 (32.49)	1.339 (34.01)	M41 X 1.0-6g	0.138 (3.51)	M34 X 1.0-6g	40
25	1.625	2.323 (59.00) 2.299 (58.39)	2.189 (55.60)	1.686 (42.82)	1.397 (35.48)	1.457 (37.01)	M44 X 1.0-6g	0.138 (3.51)	M37 X 1.0-6g	44