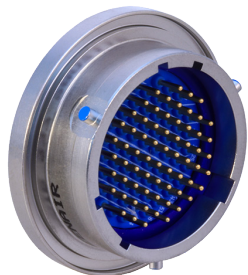


MIL-DTL 38999 TYPE Hermetic Receptacle



232-100-H8 Hermetic, weld mount receptacle



PERFORMANCE SPECIFICATIONS

- Hermeticity: <1 x 10⁻⁷ sccHe/sec @ one ATM differential. Not for use in liquid atmosphere.
- I.R.: 5 gigaohms min @ 500 VDC
- See D.W.V. Voltage Rating Table

MATERIAL/FINISH:

- Shell, jam-nut: see Part No. Details table
- Bayonets: CRES/passivated
- Contacts, pin: nickel-iron alloy/gold plate.
- Contacts, socket: copper alloy/gold plate.
- Insulator, hermetic: vitreous glass
- Insulator, socket: hi-grade rigid dielectric
- O-rings and Seals: fluorosilicone blend
- Seals: fluorosilicone blend elastomer

NOTES

- Glenair 232-100 receptacle connector is designed to mate with any QPL manufacturer's MIL-DTL-38999 Series II plug connector with the same insert arrangement, polarization and opposite contact gender.
- Insert arrangements IAW MIL-STD-1560.

Part Number Development							
Sample Part Number	232-100	-H8	Z1	10	-35	P	N
Series / Basic Part No.	232-100						
Shell Styles	H8 = Hermetic, Weld Mount						
Material and Finish	ZL = stainless steel, nickel finish, conductive, -65°C to 200°C Z1 = stainless steel, passivate finish, conductive, -65°C to 200°C						
Shell Size	8, 10, 12, 14, 16, 18, 20, 22, 24						
Insert Arrangement	Per MIL-STD-1560; See Insert Arrangement Table						
Contact Style	C = pin, feedthru D = socket, feedthru P = pin, solder cup S = socket, solder cup X = pin, eyelet Z = socket, eyelet						
Keyway Position	A, B, C, D; (Omit for Normal)						

Insert Arrangements				
Insert Arrangement	Number of Pins			
	22D	20	16	12
8-35	6			
8-98		3		
10-5		5		
10-98		6		
10-99		7		
10-35	13			
10-2			2	
12-4			4	
12-8		8		
12-98		10		
12-35	22			
14-5			5	
14-15		14	1	
14-18		18		
14-19		19		
14-35	37			
14-97		8	4	
16-6				6
16-8			8	
16-26		26		
16-35	55			
16-99		21	2	
18-11			11	
18-28		26	2	
18-30		29	1	
18-32		32		
18-35	66			

Insert Arrangements				
Insert Arrangement	Number of Pins			
	22D	20	16	12
18-45	67			
20-11				11
20-16			16	
20-24		24		
20-25		25		
20-27		27		
20-29		19	4	4
20-35	79			
20-39		37	2	
20-41		41		
22-21			21	
22-32		32		
22-34		34		
22-35	100			
22-36		36		
22-53		53		
22-55		55		
22-97			16	
22-99			11	
24-4		48	8	
24-19				19
24-24			12	12
24-29			29	
24-35	128			
24-43		23	20	
24-61		61		

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

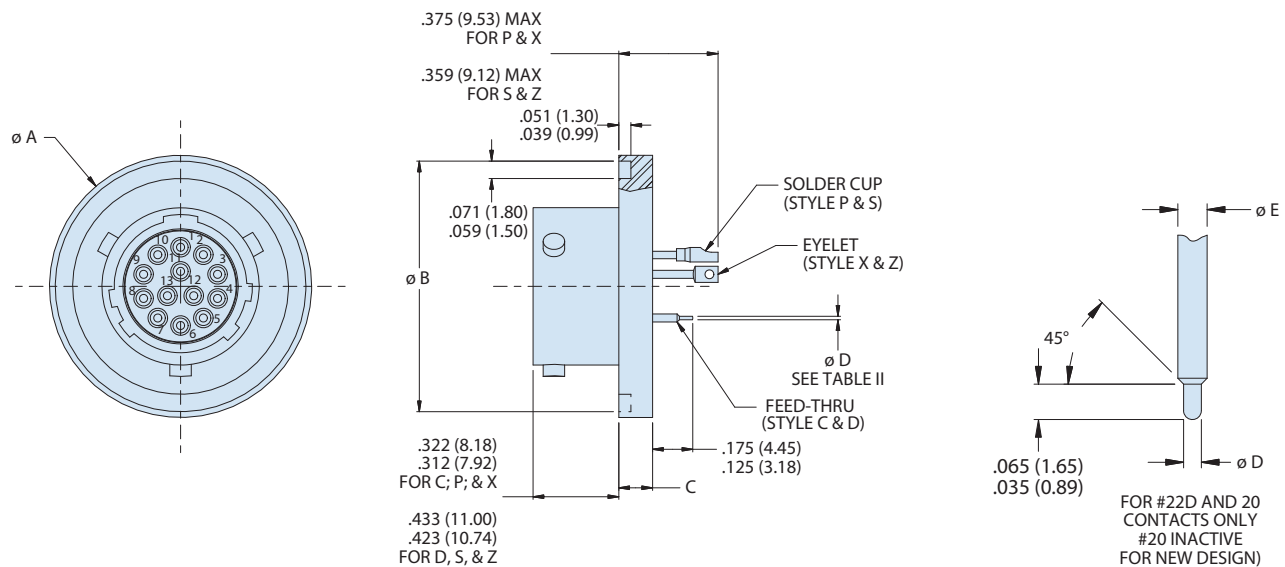
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MIL-DTL 38999 TYPE Hermetic Receptacle

232-100-H8 Hermetic, weld mount receptacle



Dimensions			
Shell Sizes	ø A	ø B	C Flange
08	.863 (21.92)	.820 (20.83)	.134 (3.40)
	.851 (21.62)	.808 (20.52)	.118 (3.00)
10	.984 (24.99)	.941 (23.90)	.134 (3.40)
	.972 (24.69)	.929 (23.60)	.118 (3.00)
12	1.106 (28.09)	1.063 (27.00)	.134 (3.40)
	1.094 (27.79)	1.051 (26.70)	.118 (3.00)
14	1.232 (31.29)	1.189 (30.20)	.134 (3.40)
	1.220 (30.99)	1.177 (29.90)	.118 (3.00)
16	1.358 (34.49)	1.315 (33.40)	.134 (3.40)
	1.346 (34.19)	1.303 (33.10)	.118 (3.00)
18	1.445 (36.70)	1.402 (35.61)	.134 (3.40)
	1.433 (36.40)	1.390 (35.31)	.118 (3.00)
20	1.591 (40.41)	1.547 (39.29)	.134 (3.40)
	1.579 (40.11)	1.535 (38.99)	.118 (3.00)
22	1.732 (43.99)	1.689 (42.90)	.165 (4.19)
	1.720 (43.69)	1.677 (42.60)	.149 (3.78)
24	1.898 (48.21)	1.854 (47.09)	.165 (4.19)
	1.886 (47.90)	1.842 (46.79)	.149 (3.78)

Wire Accomodation		
Contact Size	ø D	ø E
22D	.011 (0.28)	.0305 (0.77)
	.015 (0.38)	.0295 (0.75)
20	.024 (0.61)	.041 (1.04)
	.028 (0.71)	.039 (0.99)
16	.0635 (1.61)	.0635 (1.61)
	.0615 (1.56)	.0615 (1.56)
12	.095 (2.41)	.095 (2.41)
	.093 (2.36)	.093 (2.36)

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