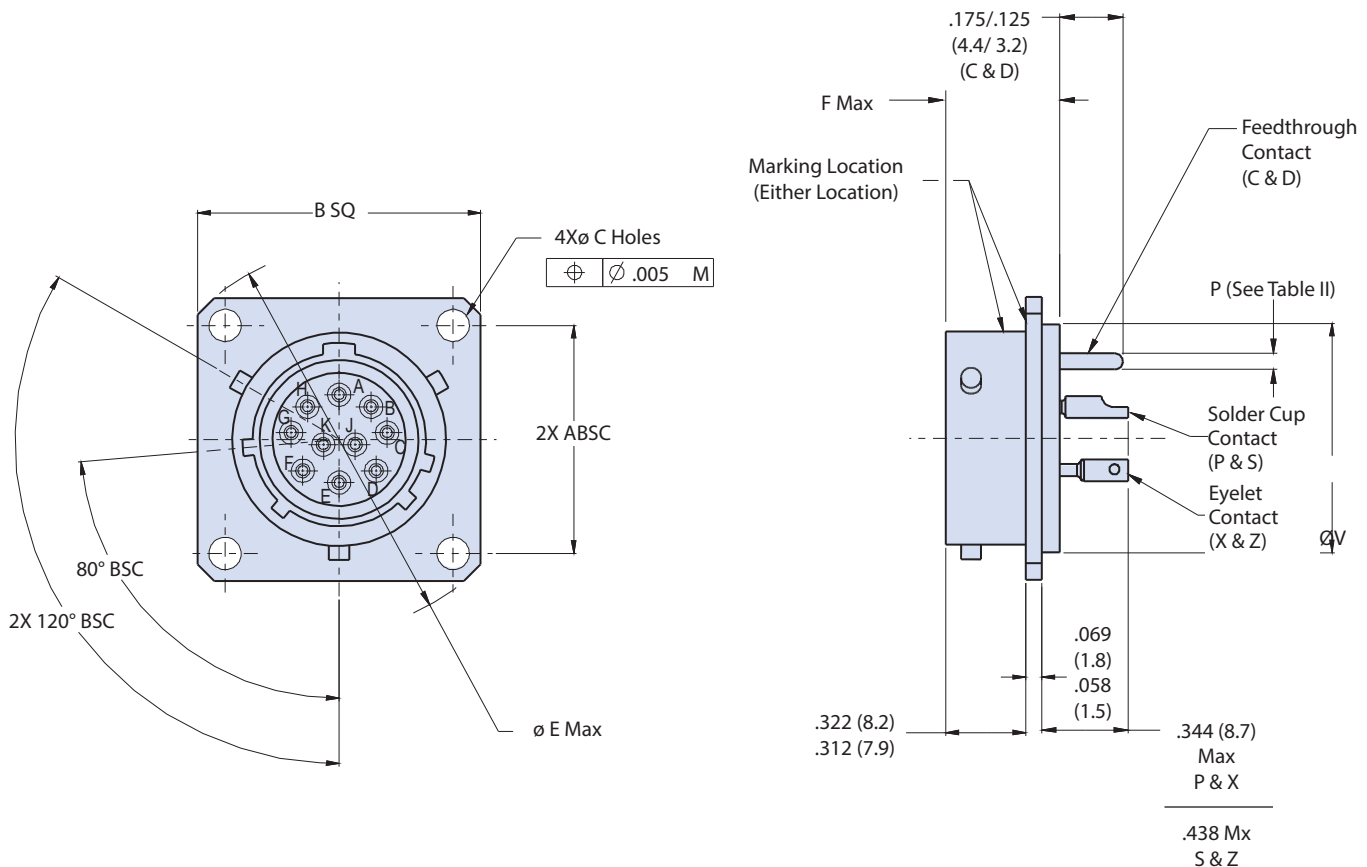


# HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



## MS27476 Box Mount Hermetic Receptacle

HOW TO ORDER: MS							
<b>Sample Part Number</b>	<b>MS27476</b>	<b>Y</b>	<b>10</b>	<b>N</b>	<b>35</b>	<b>P</b>	<b>A</b>
<b>Basic Part Number</b>	<b>MS27476</b> = Box Mount, Series II						
<b>Class</b>	<b>Y</b> = Hermetic						
<b>Shell Size</b>	<b>8, 10, 12, 14, 16, 18, 20, 22, 24</b>						
<b>Material / Finish</b>	<b>D</b> = Carbon Steel - Fused Tin Finish <b>E</b> = Stainless Steel - Passivate Finish <b>N</b> = Stainless Steel - Nickel Finish						
<b>Insert Arrangement</b>	MIL-DTL-38999 Series II Hermetic Inserts Per MIL-STD-1560						
<b>Contact Termination</b>	<b>P</b> = Pin, Solder Cup Feedthrough		<b>X</b> = Pin, Eyelet <b>S</b> = Socket, Solder Cup		<b>C</b> = Pin, PCB Flex <b>Z</b> = Socket, Eyelet <b>D</b> = Socket, PCB Flex Feedthrough		
<b>Alternate Key Position</b>	<b>A, B, C, D</b> (Omit = Normal)						



### NOTES

1. MS27476 connectors do not offer size 8 contacts. Glenair 232-100-H2 is available with size 8 power, signal and RF contacts

2. Size 10 contacts are not supported by MS27476. Glenair 232-100-H2 arrangement 24-11 does provide a size 10 contact arrangement.

# HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



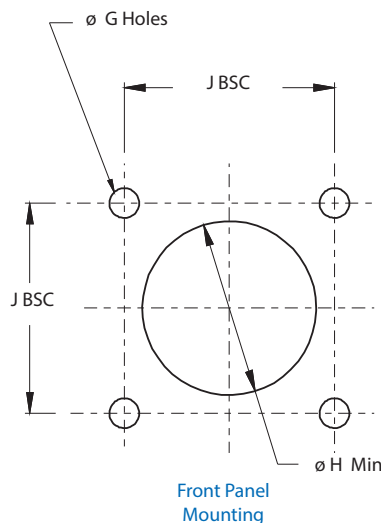
## 232-100-H2 Box Mount Receptacle

HOW TO ORDER: COMMERCIAL							
<b>Sample Part Number</b>	<b>232-100</b>	<b>-H2</b>	<b>Z1</b>	<b>8</b>	<b>-35</b>	<b>P</b>	<b>N</b>
<b>Basic Part Number</b>	232-100 = Box Mount Hermetic Receptacle						
<b>Shell Style</b>	H2 = Box Mount						
<b>Material / Finish</b>	ZL = CRES, Nickel    Z1 = CRES, Passivated FT = Carbon Steel, Fused Tin						
<b>Shell Size</b>	8, 10, 12, 14, 16, 18, 20, 22, 24						
<b>Insert Arrangement</b>	Per MIL-STD-1560						
<b>Contact Termination</b>	P = Pin, Solder Cup		X = Pin, Eyelet		C = Pin, PCB		
	S = Socket, Solder Cup		Z = Socket, Eyelet		D = Socket, PCB		
<b>Alternate Key Position</b>	A, B, C, D (N = Normal)						

TABLE I: CONNECTOR DIMENSIONS							
SHELL SIZE	A BSC	B SQ MAX	ø C HOLES	ø E MAX	F MAX		V Diameter
					PIN	SKT	
8/08	.594(15.1)	.828(21.0)	.130(3.3) .115(2.9)	1.078(27.4)	.453 (11.4)	.562 (14.3)	.562(14.3)
10	.719(18.3)	.954(24.2)		1.266(32.2)			.672(17.1)
12	.812(20.6)	1.047(26.6)		1.391(35.3)			.781(19.8)
14	.906(23.0)	1.141(29.0)		1.516(38.5)			.906(23.0)
16	.969(24.6)	1.234(31.3)		1.641(41.7)			1.031(26.2)
18	1.062(27.0)	1.328(33.7)		1.766(44.9)			1.156(29.4)
20	1.156(29.4)	1.453(36.9)		1.891(48.0)			1.250(31.8)
22	1.250(31.8)	1.578(40.1)		2.016(51.2)			1.375(34.9)
24	1.375(34.9)	1.703(43.3)		.157(4.0) .142(3.6)			2.204(56.0)

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)

TABLE I (CONTINUED): CONNECTOR DIMENSIONS				
SHELL SIZE	ø G HOLES	ø H MIN	ø J BSC	
8/08	.133(3.4) .123(3.1)	.570(14.5)	.594(15.1)	
10		.690(17.5)	.719(18.3)	
12		.820(20.8)	.812(20.6)	
14		.940(23.9)	.906(23.0)	
16		1.070(27.2)	.969(24.6)	
18		1.190(30.2)	1.062(27.0)	
20		1.320(33.5)	1.156(29.4)	
22		.159(4.0)	1.440(36.6)	1.250(31.8)
24		.149(3.8)	1.570(39.9)	1.375(34.9)



HERMETIC LEAK RATE MOD CODES	
Designator	Required Leak Rate
-585A	1 x 10 <sup>-10</sup> cc Helium per second
-585B	1 x 10 <sup>-9</sup> cc Helium per second
-585C	1 x 10 <sup>-8</sup> cc Helium per second

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