MS27475
Wall Mount Hermetic Receptacle
MIL-DTL-38999 Series II

How To Order: *MS*

Shell Style
MS27475 - *Wall Mount, Series II*

Connector Material / Finish
D - *Carbon Steel - Fused Tin Finish*
E - *Stainless Steel - Passivate Finish*
N - *Stainless Steel - Nickel Finish*

Contact Termination
P - *Pin, Solder Cup*
X - *Pin, Eyelet*
C - *Pin, PCB Flex Feedthrough*
S - *Socket, Solder Cup*
Z - *Socket, Eyelet*
D - *Socket, PCB Flex Feedthrough*

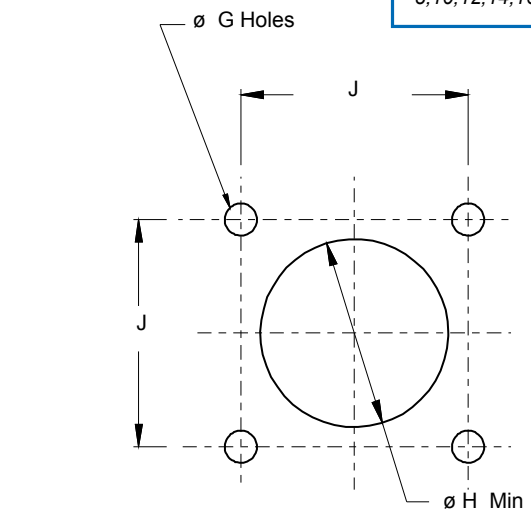
MS27475	Y	10	N	35	P	A

Class
Y- Hermetic

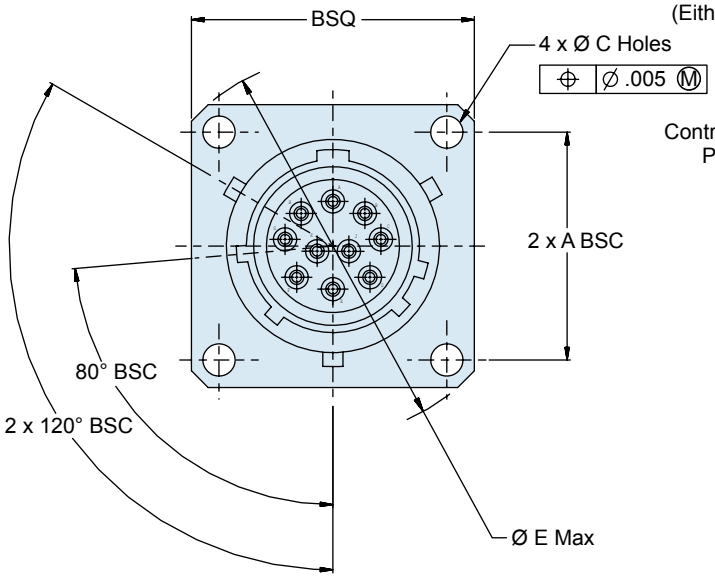
Shell Size
8,10,12,14,16,18,20,22,24

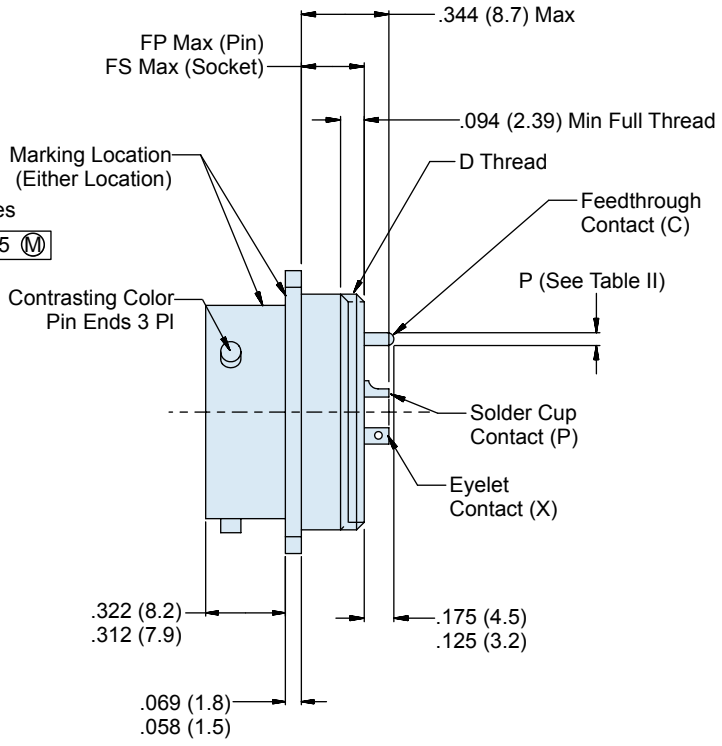
Insert Arrangement
MIL-DTL-38999 Series II Hermetic Inserts Per MIL-STD-1560; See Pages B-2 - B4

Alternate Key Position
A, B, C, D (Omit for Normal)



Front Panel Mounting





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232-100-H0
Wall Mount Hermetic Receptacle
MIL-DTL-38999 Series II Type

How To Order: *Commercial*

Connector Series
232 - Series II Type

Shell Style
H0 - Hermetic Wall Mount

Shell Size
08,10,12,14,16,18,20,22,24

Contact Termination
P - Pin, Solder Cup
S - Socket, Solder Cup
X - Pin, Eyelet
Z - Socket, Eyelet
C - Pin, PCB
D - Socket, PCB

232	-	100	-	H0	Z1	10	-	35	P	N

Connector Type
100 - Hermetic Receptacle

Connector Material / Finish
ZL - CRES, Nickel
Z1 - CRES, Passivated
FT - Carbon Steel, Fused Tin

Insert Arrangement
Per MIL-STD-1560;
See Pages B-2 - B-4

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

TABLE I: CONNECTOR DIMENSIONS

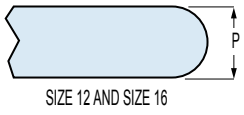
SHELL SIZE	A BSC	B SQ MAX	ø C HOLES	D Threads (UNEF-2A)	ø E MAX	FP MAX	FS MAX
8/08	.594(15.1)	.828(21.0)	.130(3.3) .115(2.9)	.5625-24	1.078(27.4)	.250 (6.35)	.375 (9.5)
10	.719(18.3)	.954(24.2)		.6875-24	1.256(31.9)		
12	.812(20.6)	1.047(26.6)		.8125-20	1.391(35.3)		
14	.906(23.0)	1.141(29.0)		.9375-20	1.516(38.5)		
16	.969(24.6)	1.234(31.3)		1.0625-18	1.641(41.7)		
18	1.062(27.0)	1.328(33.7)		1.1875-18	1.766(44.9)		
20	1.156(29.4)	1.453(36.9)		1.3125-18	1.891(48.0)		
22	1.250(31.8)	1.578(40.1)		1.4375-10	2.016(51.2)		
24	1.375(34.9)	1.703(43.3)	.157(4.0) .142(3.6)	1.5625-18	2.204(56.0)	.375 (9.53)	.406 (10.3)

TABLE I (CONTINUED): CONNECTOR DIMENSIONS

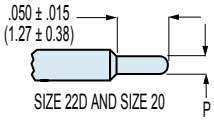
SHELL SIZE	ø G HOLES	ø H MIN	ø J BSC
8	.133(3.4) .123(3.1)	.570(14.5)	.594(15.1)
10		.690(17.5)	.719(18.3)
12		.820(20.8)	.812(20.6)
14		.940(23.9)	.906(23.0)
16		1.070(27.2)	.969(24.6)
18		1.190(30.2)	1.062(27.0)
20		1.320(33.5)	1.156(29.4)
22	.159(4.0) .149(3.8)	1.440(36.6)	1.250(31.8)
24		1.570(39.9)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

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 Guage
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14

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

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