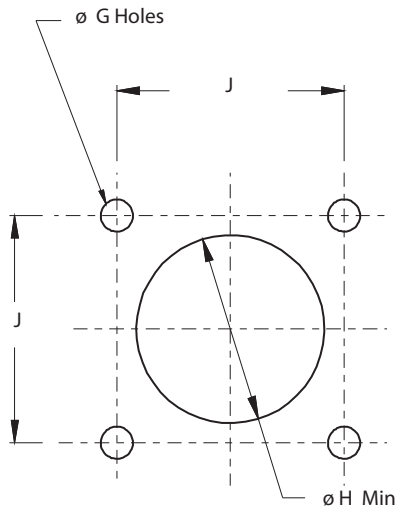


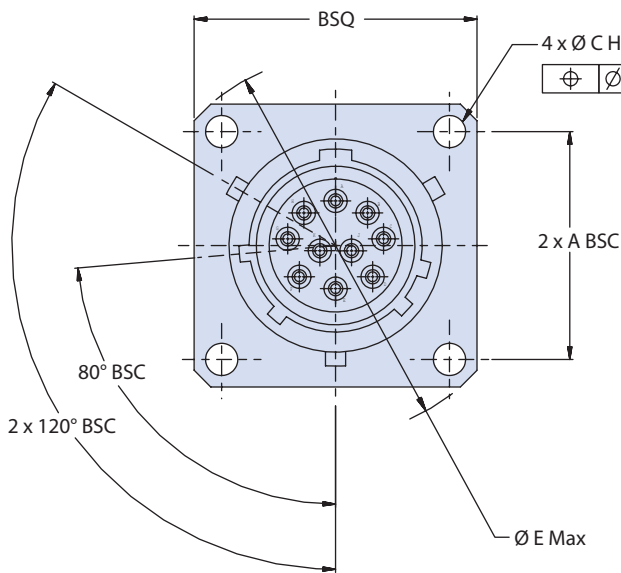
# HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



## MS27475 Wall Mount Hermetic Receptacle

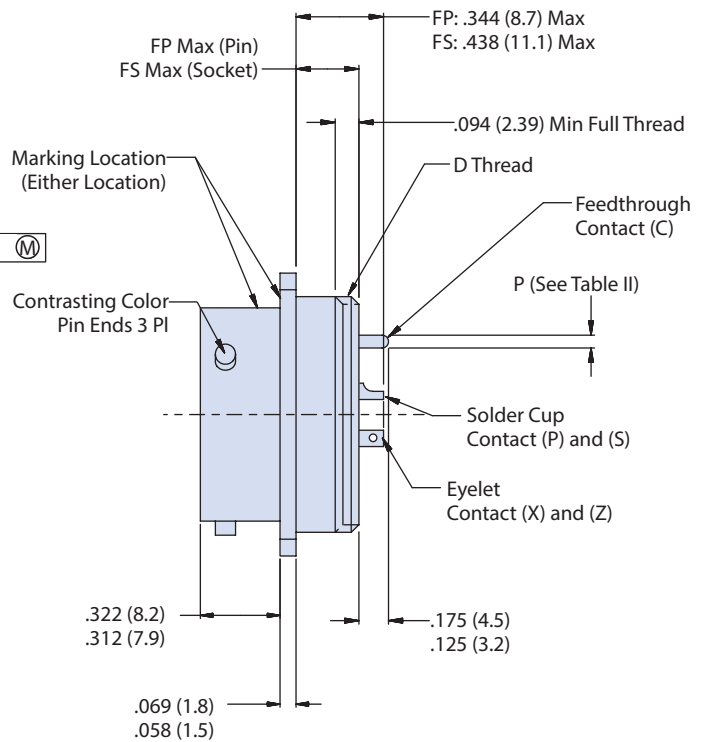


Front Panel Mounting



### HOW TO ORDER: MS

<b>Sample Part Number</b>	<b>MS27475</b>	<b>Y</b>	<b>10</b>	<b>N</b>	<b>35</b>	<b>P</b>	<b>A</b>
<b>Basic Part Number</b>	MS27475 = Wall Mount, Series II						
<b>Class</b>	Y = Hermetic						
<b>Shell Size</b>	8, 10, 12, 14, 16, 18, 20, 22, 24						
<b>Material / Finish</b>	D = Carbon Steel - Fused Tin Finish E = Stainless Steel - Passivate Finish N = Stainless Steel - Nickel Finish						
<b>Insert Arrangement</b>	MIL-DTL-38999 Series II Hermetic Inserts Per MIL-STD-1560						
<b>Contact Termination</b>	P = Pin, Solder Cup X = Pin, Eyelet C = Pin, PCB Flex Feedthrough S = Socket, Solder Cup Z = Socket, Eyelet D = Socket, PCB Flex Feedthrough						
<b>Alternate Key Position</b>	A, B, C, D (Omit = Normal)						



# HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



## 232-100-H0 Wall Mount Receptacle

HOW TO ORDER: COMMERCIAL							
<b>Sample Part Number</b>	<b>232-100</b>	<b>-H0</b>	<b>Z1</b>	<b>8</b>	<b>-35</b>	<b>P</b>	<b>N</b>
<b>Basic Part Number</b>	MS27475 = Wall Mount, Series II						
<b>Shell Style</b>	H0 = Wall 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	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)		1.4375-18	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 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)

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)	1.440(36.6)
24	.149(3.8)	1.570(39.9)	1.375(34.9)

WIRE ACCOMODATION	
Contact Size	Wire Gauge
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 <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