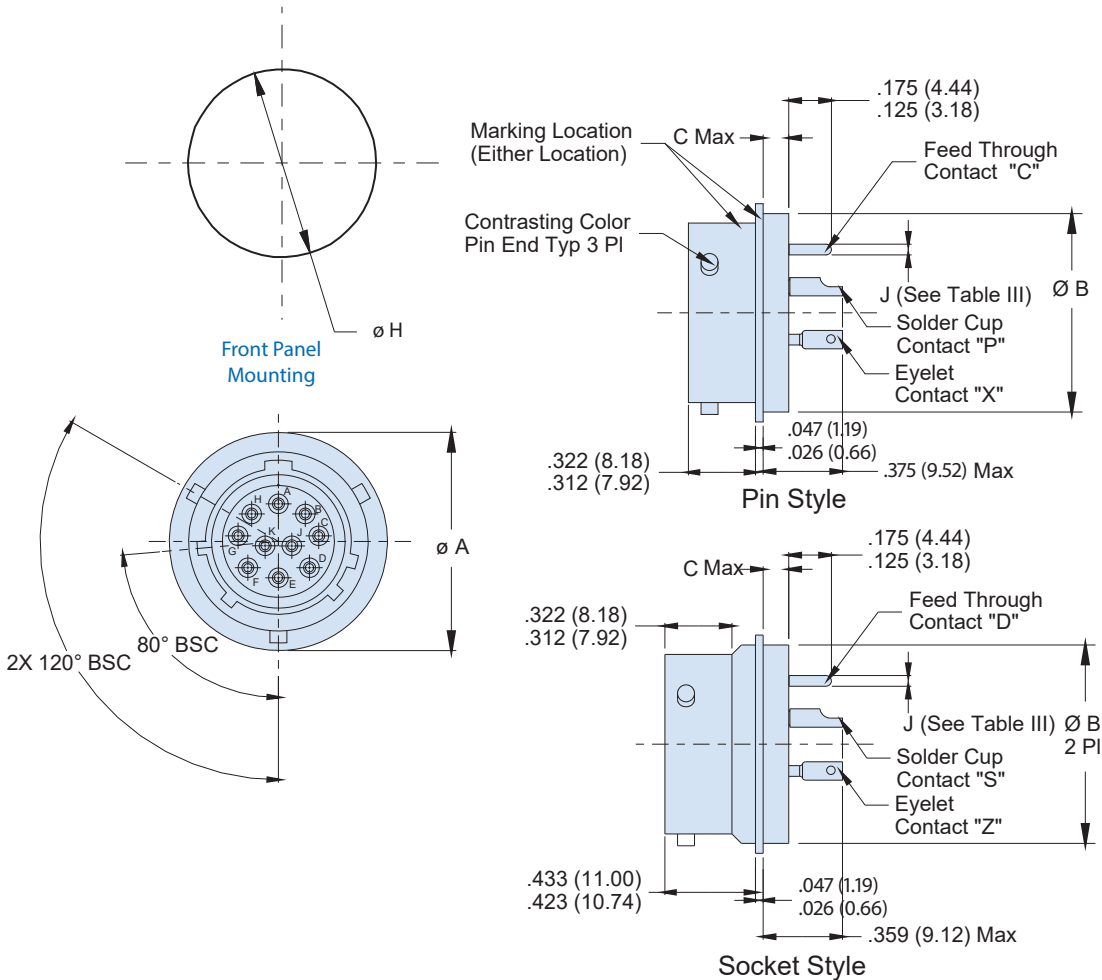


HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



MS27478 Solder Mount Receptacle

HOW TO ORDER: MS							
Sample Part Number	MS27478	Y	10	N	35	P	A
Basic Part Number	MS27478 = Solder Mount, Series II						
Class	Y = Hermetic						
Shell Size	8, 10, 12, 14, 16, 18, 20, 22, 24						
Material / Finish	D = Carbon Steel - Fused Tin Finish E = Stainless Steel - Passivate Finish N = Stainless Steel - Nickel Finish						
Insert Arrangement	MIL-DTL-38999 Series II Hermetic Inserts Per MIL-STD-1560						
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						
Alternate Key Position	A, B, C, D (Omit = Normal)						



232-100-H5 Solder Mount Receptacle

HOW TO ORDER: COMMERCIAL							
Sample Part Number	232-100	-H5	Z1	10	-35	P	N
Basic Part Number	232-100 = Solder Mount Hermetic Receptacle						
Shell Style	-H5 = Solder Mount						
Material / Finish	ZL = CRES, Nickel Z1 = CRES, Passivated FT = Carbon Steel, Fused Tin Z1S = CRES, Passivated (Space Grade)						
Shell Size	8, 10, 12, 14, 16, 18, 20, 22, 24						
Insert Arrangement	Per MIL-STD-1560						
Contact Termination	P = Pin, Solder Cup		X = Pin, Eyelet		C = Pin, PCB		
	S = Socket, Solder Cup		Z = Socket, Eyelet		D = Socket, PCB		
Alternate Key Position	A, B, C, D (N = Normal)						

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

TABLE I: CONNECTOR DIMENSIONS				
SHELL SIZE	ø A	ø B	C MAX	ø H
8/08	0.698 (17.73)	0.563 (14.30)	0.125 (3.18)	0.575 (14.60)
	0.677 (17.20)	0.557 (14.15)		0.565 (14.35)
10	0.808 (20.52)	0.673 (17.09)		0.685 (17.40)
	0.787 (19.99)	0.667 (16.94)		0.675 (17.15)
12	0.917 (23.29)	0.782 (19.86)		0.794 (20.17)
	0.896 (22.76)	0.776 (19.71)		0.784 (19.91)
14	1.042 (26.47)	0.907 (23.04)		0.919 (23.34)
	1.021 (25.93)	0.901 (22.89)		0.909 (23.09)
16	1.167 (29.64)	1.032 (26.21)		1.044 (26.52)
	1.146 (29.11)	1.026 (26.06)		1.034 (26.26)
18	1.292 (32.82)	1.157 (29.39)		1.169 (29.69)
	1.271 (32.28)	1.151 (29.24)		1.159 (29.44)
20	1.386 (35.20)	1.251 (31.78)	1.263 (32.08)	
	1.365 (34.67)	1.245 (31.62)	1.253 (31.83)	
22	1.511 (38.38)	1.376 (34.95)	1.388 (35.26)	
	1.490 (37.85)	1.370 (34.80)	1.378 (35.00)	
24	1.511 (38.38)	1.501 (38.13)	1.513 (38.43)	
	1.490 (37.85)	1.495 (37.97)	1.503 (38.18)	

TABLE II: CONTACT SIZE	
<p>FOR #22D AND 20 CONTACTS ONLY (#20 INACTIVE FOR NEW DESIGN)</p>	
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 Gauge
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14