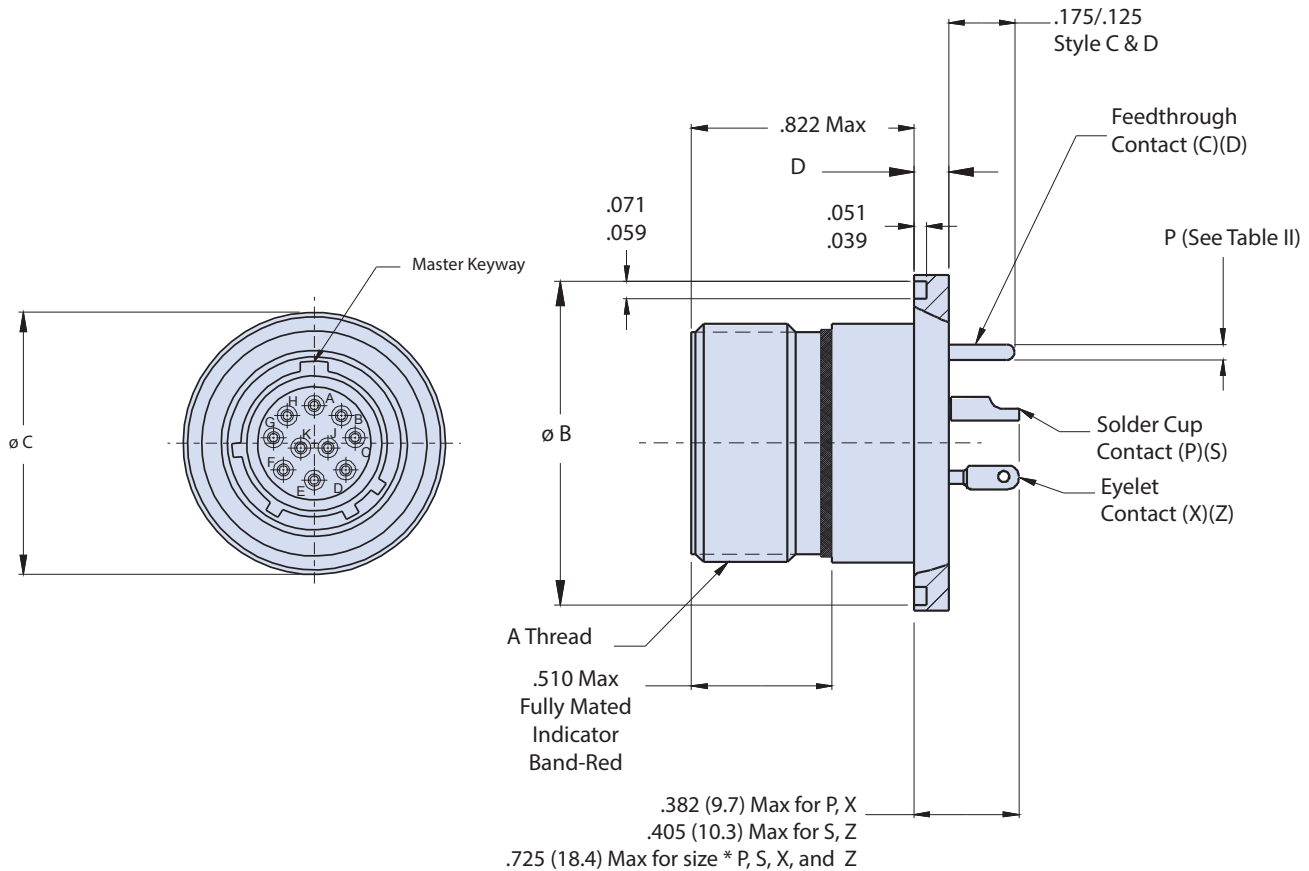


HERMETIC CONNECTORS MIL-DTL-38999 Series III Type



D38999 Weld Mount Receptacle

HOW TO ORDER: MS							
Sample Part Number	D38999	/27	Y	B	35	P	N
Basic Part Number	D38999 = Series III						
Shell Style	/27 = Weld Mount						
Material / Finish	N = CRES, Nickel Y = CRES, Passivated H = CRES, passivate (space grade)						
Shell Size	A = 9, B = 11, C = 13, D = 15, E = 17, F = 19, G = 21, H = 23, J = 25						
Insert Arrangement	MIL-DTL-38999 Series III 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 (N = Normal)						



Consult Factory for Recommended Panel Cutout Dimensions

233-100-H8 Weld Mount Receptacle

HOW TO ORDER: COMMERCIAL							
Sample Part Number	233-100	-H8	Z1	9	-35	P	N
Basic Part Number	233-100 = Weld Mount Hermetic Receptacle						
Shell Style	-H8 = Weld Mount						
Material / Finish	ZL = CRES, Nickel Z1 = CRES, Passivated Z1S = CRES, Passivated (Space Grade)						
Shell Size	9, 11, 13, 15, 17, 19, 21, 23, 25						
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, E (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

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

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)
10	.126 (3.20) .124 (3.15)
8	.184 (4.67) .180 (4.57)

TABLE I: CONNECTOR DIMENSIONS					
SHELL SIZE CODE	SHELL SIZE	A THREAD	Ø B	Ø C	Ø D
A	9	.6250-.1P-.3L-TS-2A	.941 (23.9) .929 (23.6)	.984 (25.0) .972 (24.7)	.134 (3.4) .118 (3.0)
B	11	.7500-.1P-.3L-TS-2A	1.063 (27.0) 1.051 (27.0)	1.106 (28.1) 1.094 (27.8)	.134 (3.4) .118 (3.0)
C	13	.8750-.1P-.3L-TS-2A	1.189 (30.2) 1.177 (28.9)	1.232 (31.3) 1.220 (31.0)	.134 (3.4) .118 (3.0)
D	15	1.0000-.1P-.3L-TS-2A	1.315 (33.4) 1.303 (33.1)	1.358 (34.5) 1.346 (34.2)	.134 (3.4) .118 (3.0)
E	17	1.1875-.1P-.3L-TS-2A	1.402 (35.6) 1.390 (35.3)	1.445 (36.7) 1.433 (36.4)	.134 (3.4) .118 (3.0)
F	19	1.2500-.1P-.3L-TS-2A	1.547 (39.3) 1.535 (39.0)	1.591 (40.4) 1.579 (40.1)	.134 (3.4) .118 (3.0)
G	21	1.3750-.1P-.3L-TS-2A	1.689 (42.9) 1.677 (42.6)	1.732 (44.0) 1.720 (43.7)	.134 (3.4) .118 (3.0)
H	23	1.5000-.1P-.3L-TS-2A	1.854 (47.1) 1.842 (46.8)	1.898 (48.2) 1.886 (47.4)	.165 (4.2) .149 (3.8)
J	25	1.6250-.1P-.3L-TS-2A	1.941 (49.3) 1.929 (49.0)	1.984 (50.4) 1.972 (50.1)	.165 (4.2) .149 (3.8)