

QPL QUALIFIED

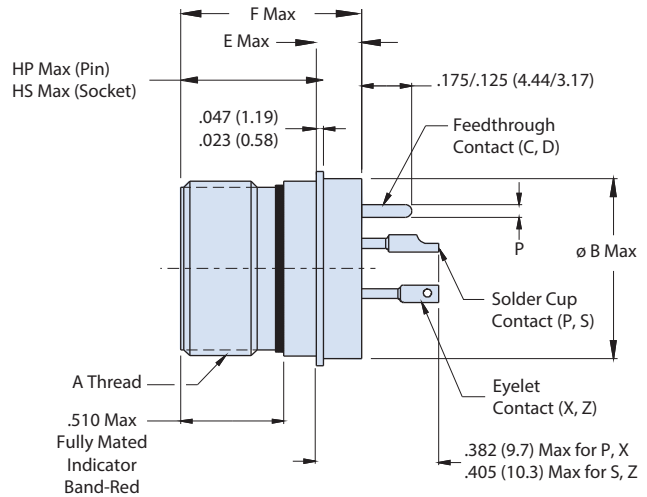
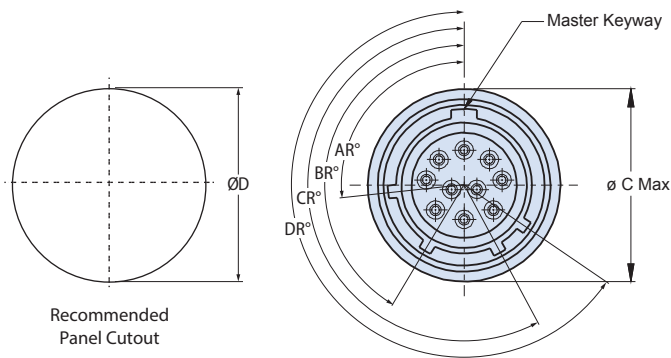
# MIL-DTL-38999 Series III, Triple-Start Thread

## D38999/25 solder mount hermetic receptacle



SERIES III HERMETIC

QPL Part Number Development						
Sample Part Number	D38999/25 Y B 35 P N					
MIL-DTL-38999	D38999/25 = Solder mount receptacle					
Class	N = Hermetic, CRES, nickel finish, conductive, -65°C to 200°C Y = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C H = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C (space grade)					
Shell Size Code	A, B, C, D, E, F, G, H and J (per MIL-STD-1560)					
Insert Arrangement	Per MIL-STD-1560; See reference information section for details					
Contact Type	P = Pin, solder cup S = Socket, solder cup		X = Pin, eyelet Z = Socket, eyelet		C = Pin, PCB flex feedthrough D = Socket, PCB flex feedthrough	
Alternate Polarization	A, B, C, D, E, N (Normal)					



Series III Alternate Keyway Polarizations																				
Shell Size Code	Shell Size	Key and Keyway ID Letter	AR° BSC	BR° BSC	CR° BSC	DR° BSC	Shell Size Code	Shell Size	Key and Keyway Code	AR° BSC	BR° BSC	CR° BSC	DR° BSC	Shell Size Code	Shell Size	Key and Keyway ID Letter	AR° BSC	BR° BSC	CR° BSC	DR° BSC
A	9	N	105	140	215	265	B C D	11 13 15	N	95	141	208	236	E F G H J	17 19 21 23 25	N	80	142	196	293
		A	102	132	248	320			A	135	170	200	310							
		B	80	118	230	312			B	49	169	200	244							
		C	35	140	205	275			C	66	140	200	257							
		D	64	155	234	304			D	62	145	180	280							
		E	91	131	197	240			E	79	153	197	272							

# COTS EQUIVALENT MIL-DTL-38999 Series III, Triple-Start Thread 233-100-H5 solder mount hermetic receptacle



SERIES III HERMETIC

COTS Part Number Development						
Sample Part Number	233-100-H5	Z1	11	-35	P	N
Series / Basic Part No.	233-100-H5 = Hermetic, solder mount receptacle					
Material/Finish	ZL = CRES, nickel finish, conductive, -65°C to 200°C Z1 = CRES, passivate finish, conductive, -65°C to 200°C Z1S = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C (space grade)					
Shell Size	9, 11, 13, 15, 17, 19, 21, 23, 25 (per MIL-STD-1560)					
Insert Arrangement	Per MIL-STD-1560; See reference information section for details					
Contact Type	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 Polarization	A, B, C, D, E, N = Normal					

Additional material/finish options are available, consult factory for ordering information.

Dimensions									
Shell Size Code	Shell Size	A Thread -.1P-.3L-TS-2A	ØB Max	ØC Max	ØD	E Max	F Max	HP Max	HS Max
A	9/09	.6250	.673 (17.09)	.764 (19.41)	.685 (17.40) .675 (17.15)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
B	11	.7500	.783 (19.89)	.858 (21.79)	.794 (20.17) .784 (19.91)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
C	13	.8750	.909 (23.09)	.980 (24.89)	.920 (23.37) .910 (23.11)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
D	15	1.0000	1.031 (26.19)	1.106 (28.09)	1.043 (26.49) 1.033 (26.24)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
E	17	1.1875	1.157 (29.39)	1.232 (31.29)	1.169 (29.69) 1.159 (29.44)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
F	19	1.2500	1.252 (31.80)	1.323 (33.60)	1.263 (32.08) 1.253 (31.83)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
G	21	1.3750	1.378 (35.00)	1.449 (36.80)	1.389 (35.28) 1.379 (35.03)	.201(5.1)	.937(23.8)	.677(17.2)	.764(19.4)
H	23	1.5000	1.504 (38.20)	1.575 (40.00)	1.515 (38.48) 1.505 (38.23)	.232(5.9)	.969(24.6)	.677(17.2)	.764(19.4)
J	25	1.6250	1.626 (41.30)	1.701 (43.21)	1.638 (41.61) 1.628 (41.35)	.232(5.9)	.969(24.6)	.677(17.2)	.764(19.4)

Additional Material/Finish Options	
Finish Code	Description
Z1S†	CRES, passivate finish, conductive, -65°C to 200°C, space-grade

† Connectors ordered with "Z1S" include outgas processing to conform to outgassing requirements of Class H.

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

Contact Size		
Size	Ø P	
22D	.011 (0.28)	<p>FEEDTHROUGH CONTACT STYLE C AND D</p> <p>SIZE 12 AND SIZE 16 .065 (1.7) .035 (0.9)</p> <p>SIZE 22D AND SIZE 20</p>
	.015 (0.38)	
20	.024 (0.61)	
	.028 (0.71)	
16	.0635 (1.61)	
	.0615 (1.56)	
12	.095 (2.41)	
	.093 (2.36)	