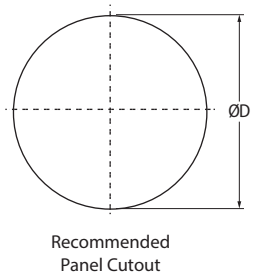
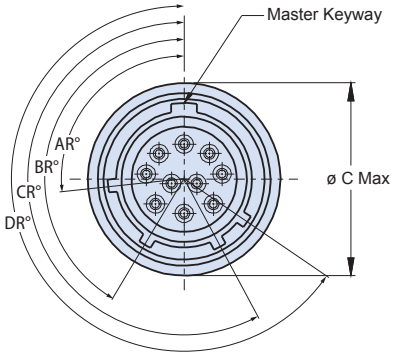
QPL QUALIFIED

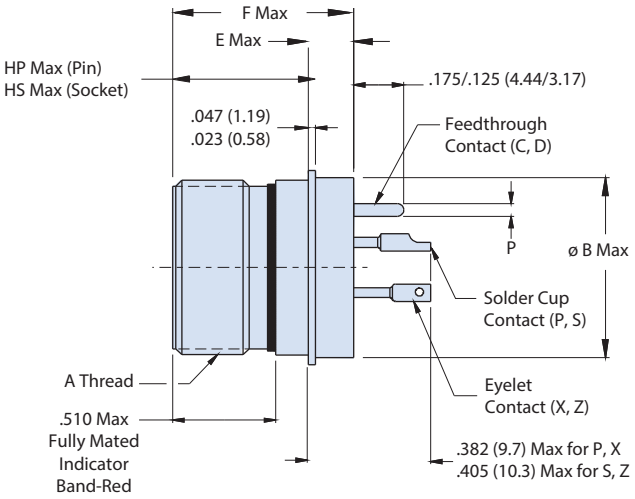
MIL-DTL-38999 Series III, Triple-Start Thread

D38999/25 solder mount hermetic receptacle

QPL Part Number Development							
Sample Part Number		**D38999/25**	**Y**	**B**	**35**	**P**	**N**
MIL-DTL-38999	**D38999/25** = Solder mount recetpacle						
Class	**N** = Hermetic, CRES, nickel finish, conductive, -65°C to 200°C **Y** = Hermetic, CRES, passivate finish, conductive, -65°C to 200°C						
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 **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)						







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	113	156	182	292			A	135	170	200	310
		B	80	118	230	312			B	90	145	195	252			B	49	169	200	244
		C	35	140	205	275			C	53	156	220	255			C	66	140	200	257
		D	64	155	234	304			D	119	146	176	298			D	62	145	180	280
		E	91	131	197	240			E	51	141	184	242			E	79	153	197	272

COTS EQUIVALENT

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

233-100-H5 solder mount hermetic receptacle

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						
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 **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						

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) .015 (0.38)
20	.024 (0.61) .028 (0.71)
16	.0635 (1.61) .0615 (1.56)
12	.095 (2.41) .093 (2.36)