

SERIES 23 SUPERNINE Better-than-QPL SuperNine D38999 Connectors with SpeedMaster™ 10G high-speed contacts



233-264 Hermetic PC Tail Receptacle

Part Number Development							
Sample Part Number	233-264	-H7	ZL	25	-7	P	N
Series - Basic Part No.	233-264 = SuperNine Hermetic High-Speed Board Mount Connector						
Connector Style	H2 = Square Flange Mount H7 = Jam-Nut Mount DH7 = Dual O-ring Jam-Nut Mount H8 = Weld Mount						
Material/Finish	Z1 = 300 Series CRES; Passivated ZL = 300 Series CRES; Electroless Nickel						
Shell Size	11, 19, 21, 25						
Insert Arrangement	See Insert Arrangements Table						
Contact Gender	P = Pin on jam-nut side S = Socket on jam-nut side						
Alternate Polarization	A, B, C, D, E, N = Normal (IAW MIL-DTL-38999 Series III); See alternate positions table.						

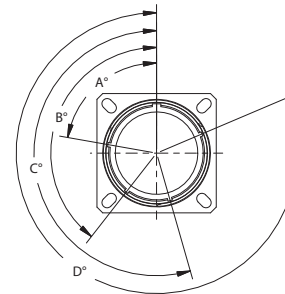


SPEEDMASTER™ CONNECTORS

NOTES

- Contact factory for other plating options
- SpeedMaster insert arrangements are exclusive to SpeedMaster™ and are unrelated to other insert patterns of the same name
- Glenair 233-264 is only designed to mate with Glenair 233-219-G6 connector of the same shell size, polarization, and opposite gender
- Hermeticity: less than 1×10^{-7} ccHe/sec at 1 atmosphere differential.
- Contacts are non removable
- Material / Finish
 - Shell and jam-nut: CRES/passivate or CRES/nickel plate
 - Contacts pin: nickel/iron alloy/gold
 - Contacts sockets: copper alloy/gold
 - Insulator hermetic: full glass/N.A
 - Insulator socket: high grade dielectric/N.A
 - Grounding members: copper alloy/electroless nickel
 - Seals: fluorosilicone blend/N.A.

Receptacle, Alternate Keyway Positions



Shell Size Code	Shell Size	Alternate Position Code	AR°	BR°	CR°	DR°
B	11	N	95	141	208	236
		A	113	156	182	292
		B	90	145	195	252
		C	53	156	220	255
		D	119	146	176	298
		E	51	141	184	242
F G J	19 21 25	N	80	142	196	293
		A	135	170	200	310
		B	49	169	200	244
		C	66	140	200	257
		D	62	145	180	280
		E	79	153	197	272

Insert Arrangements

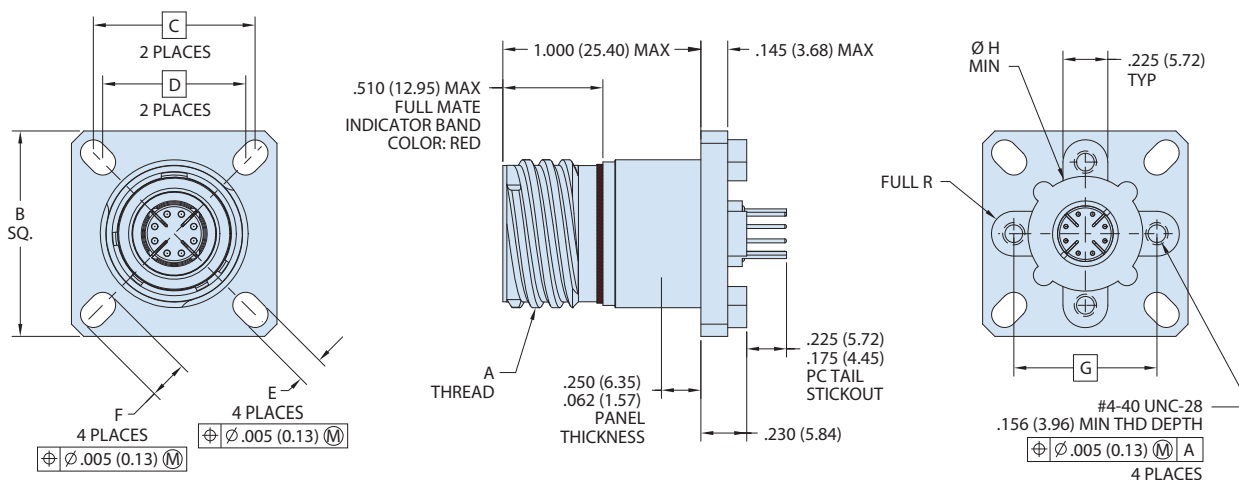
11-1	19-3	21-4	25-7

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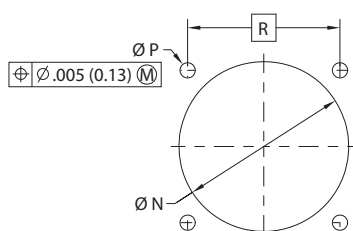
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H2 - SQUARE FLANGE MOUNT PC TAIL



Square Flange Mount Dimensions

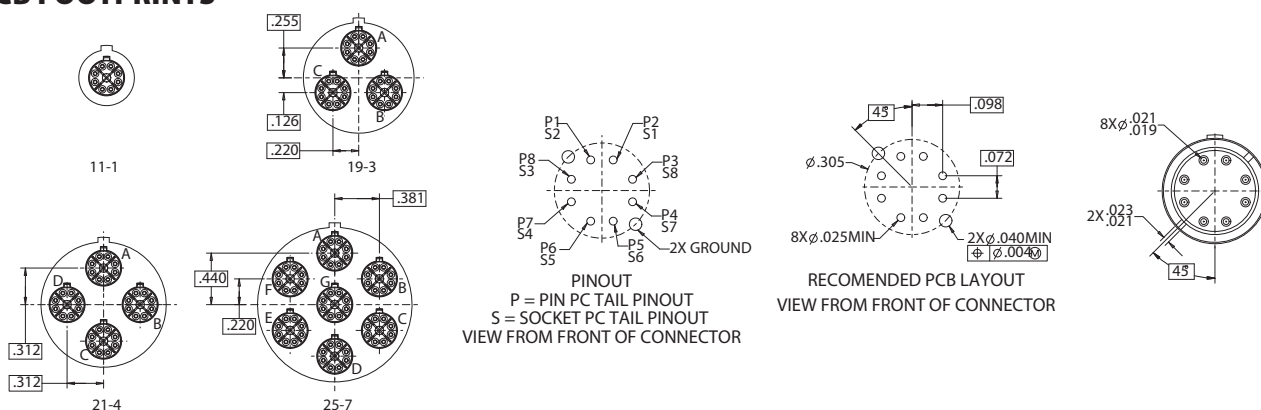
Shell Size	A Thread	B	C Basic	D Basic	E	F	G	Ø H Min
11	.7500-1P-.3L-TS-2A	1.040 (26.42) 1.016 (25.81)	0.812 (20.62)	0.719 (18.26)		0.198 (5.03) 0.190 (4.83)	.719 (18.26)	0.577 (14.66)
19	1.2500-1P-.3L-TS-2A	1.449 (36.80) 1.425 (36.20)	1.156 (29.36)	1.062 (26.97)	0.136 (3.45) 0.120 (3.05)	0.202 (5.13) 0.186 (4.72)	1.150 (29.21)	0.094 (2.39)
21	1.3750-1P-.3L-TS-2A	1.575 (40.00) 1.551 (39.40)	1.250 (31.75)	1.156 (29.36)			1.221 (31.01)	1.070 (27.18)
25	1.6250-1P-.3L-TS-2A	1.823 (46.30) 1.799 (45.69)	1.500 (38.10)	1.375 (34.92)	0.162 (4.11) 0.146 (3.71)	0.250 (6.35) 0.234 (5.94)	1.475 (37.47)	1.320 (33.53)



Jam-Nut Panel Cut-Out Dimensions

Shell Size	Ø N Min	Ø P Holes	R
11	.796 (20.22)		.812 (20.62)
19	1.297 (32.94)	.133 (3.38) .123 (3.12)	1.156 (29.36) 1.250 (31.75)
21	1.422 (36.12)		
25	1.672 (42.47)	.155 (3.94) .145 (3.68)	1.500 (38.10)

PCB FOOTPRINTS

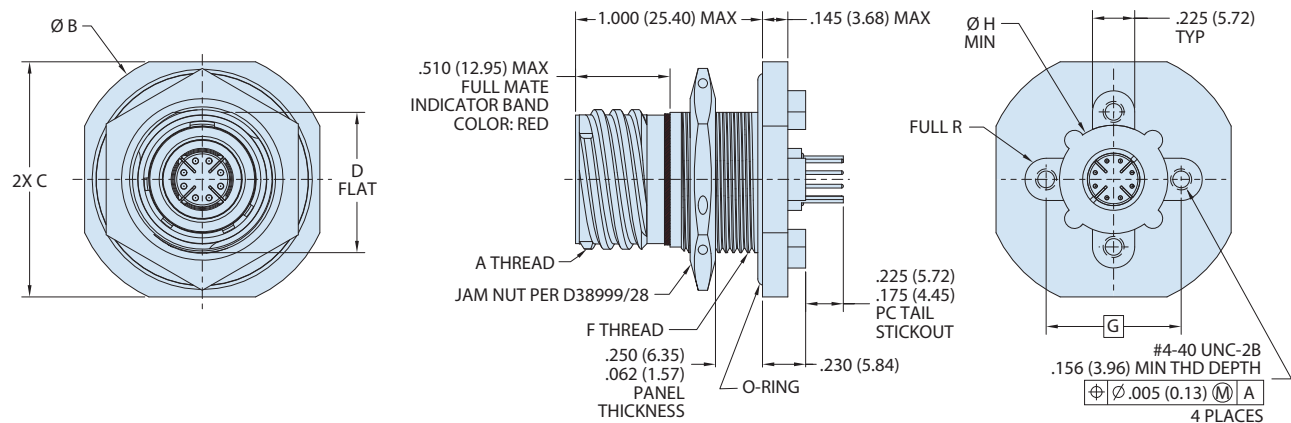


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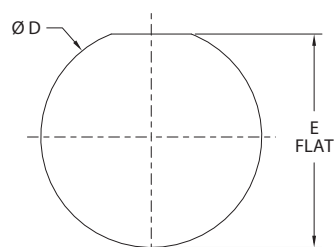
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DH7 DUAL O-RING AND H7 SINGLE O-RING - JAM-NUT MOUNT PC TAIL



Jam-Nut Mount Dimensions							
Shell Size	A Thread	Ø B	C Max	D Flat	F Thread	G	Ø H Min
11	.7500-.1P-.3L-TS-2A	1.375 (34.92)	1.252 (31.80)	.755 (19.18) .745 (18.92)	M20x1.0-6g 0.100R	.719 (18.26)	0.577 (14.66)
19	1.2500-.1P-.3L-TS-2A	1.937 (49.20)	1.811 (46.00)	1.316 (33.43) 1.306 (33.17)	M35x1.0-6g 0.100R	1.150 (29.21)	0.944 (23.98)
21	1.3750-.1P-.3L-TS-2A	2.063 (52.40)	1.937 (49.20)	1.441 (36.60) 1.431 (36.35)	M38x1.0-6g 0.100R	1.221 (31.01)	1.070 (27.18)
25	1.6250-.1P-.3L-TS-2A	2.311 (58.70)	2.189 (55.60)	1.691 (42.95) 1.681 (42.70)	M44x1.0-6g 0.100R	1.475 (37.47)	1.320 (33.53)

Dual O-Ring Jam-Nut Mount Dimensions							
Shell Size	A Thread	Ø B	C Max	D Flat	F Thread	G	Ø H Min
11	.7500-.1P-.3L-TS-2A	1.625 (41.28)	1.500 (38.10)	.755 (19.18) .745 (18.92)	M20x1.0-6g 0.100R	.719 (18.26)	0.577 (14.66)
19	1.2500-.1P-.3L-TS-2A	2.189 (55.60)	2.063 (52.40)	1.316 (33.43) 1.306 (33.17)	M35x1.0-6g 0.100R	1.150 (29.21)	0.944 (23.98)
21	1.3750-.1P-.3L-TS-2A	2.311 (58.70)	2.189 (55.60)	1.441 (36.60) 1.431 (36.35)	M38x1.0-6g 0.100R	1.221 (31.01)	1.070 (27.18)
25	1.6250-.1P-.3L-TS-2A	2.625 (66.68)	2.400 (60.96)	1.691 (42.95) 1.681 (42.70)	M44x1.0-6g 0.100R	1.475 (37.47)	1.320 (33.53)



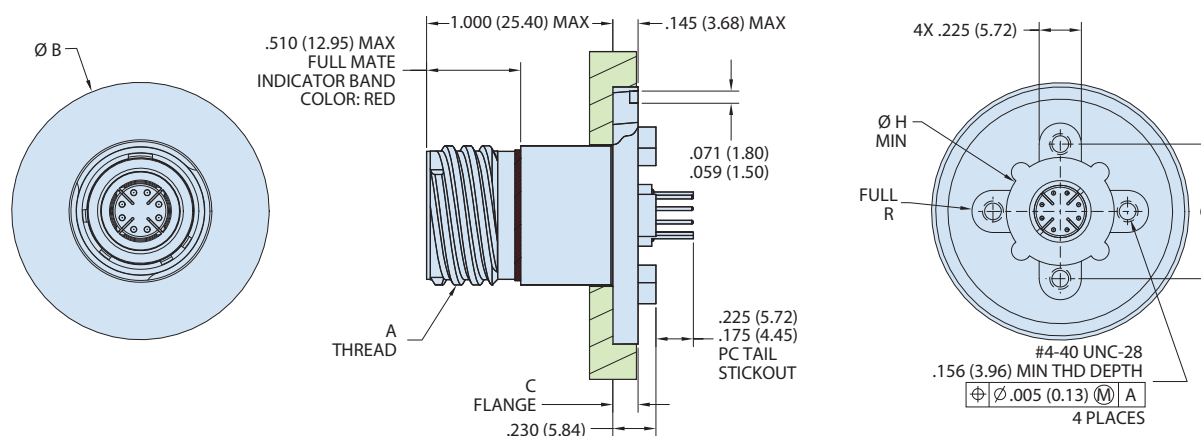
Jam-Nut Panel Cut-Out Dimensions		
Shell Size	Ø D	E Flat
11	0.835 (21.21)	0.771 (19.58)
	0.825 (20.96)	0.761 (19.33)
19	1.395 (35.43)	1.335 (33.91)
	1.385 (35.18)	1.325 (33.65)
21	1.520 (38.61)	1.460 (37.08)
	1.510 (38.35)	1.450 (36.83)
25	1.770 (44.96)	1.710 (43.43)
	1.760 (44.70)	1.700 (43.18)

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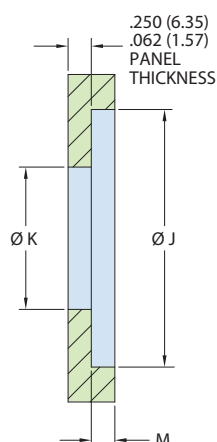


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H8 - WELD MOUNT PC TAIL



Weld Mount Dimensions					
Shell Size	A Thread	ØB	ØC	ØH Min	G
11	.7500-.1P-.3L-TS-2A	1.375 (34.92)	.134 (3.40) .118 (3.00)	0.577 (14.66)	0.719 (18.26)
19	1.2500-.1P-.3L-TS-2A	1.937 (49.20)		0.944 (23.98)	1.150 (29.21)
21	1.3750-.1P-.3L-TS-2A	2.063 (52.40)		1.070 (27.18)	1.221 (31.01)
25	1.6250-.1P-.3L-TS-2A	2.311 (58.70)	.165 (4.19) .149 (3.78)	1.320 (33.53)	1.475 (37.47)



Weld Mount Panel Cut-Out Dimensions			
Shell Size	ØK	ØJ	M ±.005
11	.760 (19.30)	1.387 (35.23) 1.382 (35.10)	.126 (3.20)
19	1.260 (32.00)	1.949 (49.50) 1.944 (49.38)	
21	1.385 (35.18)	2.075 (52.71) 2.070 (52.58)	
25	1.635 (41.53)	2.323 (59.00) 2.318 (58.88)	1.57 (39.88)