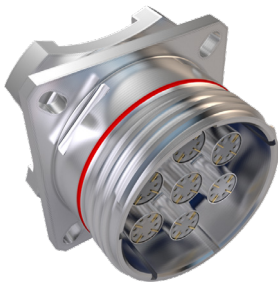


SERIES 23 SUPERNINE
 Better-than-QPL SuperNine D38999 Connectors
 with SpeedMaster™ 10G high-speed contacts



2333-2004 PCB Mount, Dual-Flange Receptacle

Part Number Development							
Sample Part Number	2333-2004	-07	ME	25	-7	P	N
Series - Basic Part No.	SuperNine Environmental High-Speed connector						
Connector Style	See connector type table						
Material/Finish	NF = Cadmium Olive Drab MT = Nickel PTFE Z1 = Passivated ME = Electroless Nickel ZR = Black Zinc Nickel ZL = Electrodeposited Nickel ZN = Zinc Nickel, Olive Drab						
Shell Size	11, 19, 21, 25						
Insert Arrangement	See Insert Arrangements Table						
Contact Gender	P = Pin S = Socket						
Alternate Polarization	A, B, C, D, E, N = Normal (IAW MIL-DTL-38999 Series III); See alternate positions table.						



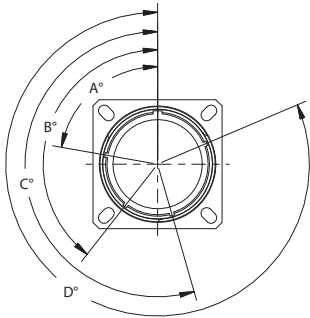
Insert Arrangements			
11-1	19-3	21-4	25-7

NOTES

- Only mates with Glenair SpeedMaster plug of same keying insert arrangement. Mating connector must have 1.5 meters minimum of cable length

Connector Style	
Symbol	Description
00	Wall mount receptacle with slotted holes, standard standoff threads
10	Wall mount receptacle with slotted holes, metric standoff threads
CM	Wall mount receptacle with metric clinch nuts
CS	Wall mount receptacle with standard clinch nuts
HM	Wall mount receptacle with metric helicoils
HS	Wall mount receptacle with standard helicoils
07	Jam-nut receptacle

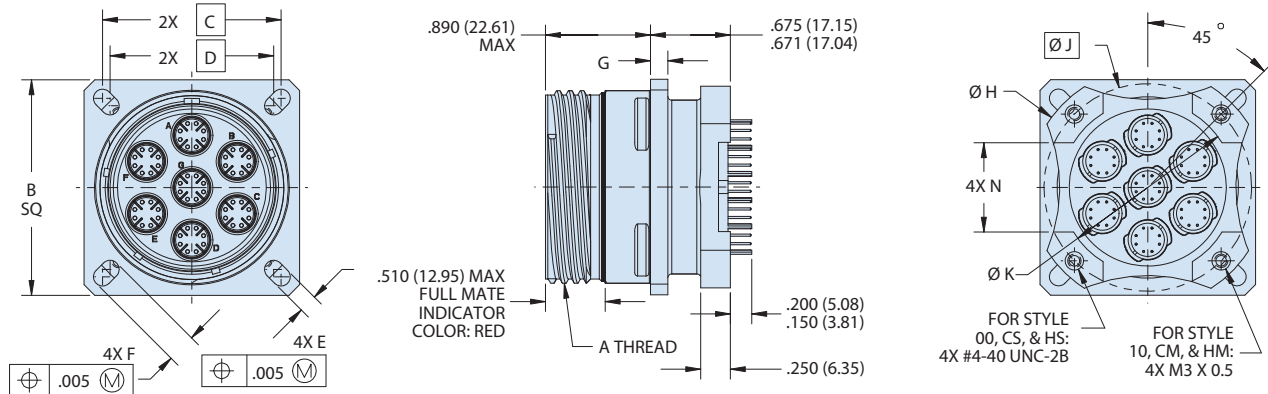
Alternate Positions



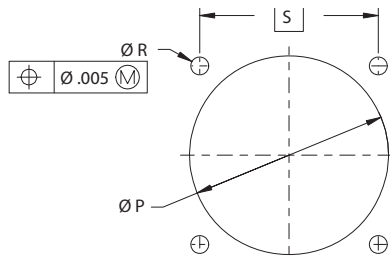
Shell Size	Alternate Position Code	AR°	BR°	CR°	DR°
11	N	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
	C	53	156	220	255
	D	119	146	176	298
	E	51	141	184	242
19 21 25	N	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272

2333-2004-00/10 PCB Mount, Dual-Flange Receptacle

00 STANDARD AND 10 METRIC SLOTTED HOLES - WALL MOUNT RECEPTACLE

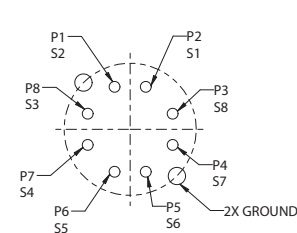


-00 and -10 Wall-Mount Receptacle with Slotted Holes											
Shell Size	A Thread	B SQ	C	D	E	F	G	ØH ±.005	ØJ	ØK ±.005	N ±.010
11	.7500-0.1P-0.3L-TS-2A	1.043 (26.49) 1.019 (25.88)	.812 (20.62)	.719 (18.26)	.136 (3.45)	.202 (5.13)	.122 (3.10) .083 (2.11)	1.062 (26.97)	.850 (21.59)	.595 (15.11)	.250 (6.35)
19	1.2500-0.1P-0.3L-TS-2A	1.449 (36.80) 1.425 (36.20)	1.156 (29.36)	1.062 (26.97)	.120 (3.05)	.186 (4.72)	.153 (3.89)	1.625 (41.28)	1.379 (35.03)	1.125 (28.58)	.500 (12.70)
21	1.3750-0.1P-0.3L-TS-2A	1.575 (40.00) 1.551 (39.40)	1.250 (31.75)	1.156 (29.36)				1.750 (44.45)	1.489 (37.82)	1.240 (31.50)	.562 (14.27)
25	1.6250-0.1P-0.3L-TS-2A	1.823 (46.30) 1.799 (45.69)	1.500 (38.10)	1.375 (34.92)	.162 (4.11) .146 (3.71)	.250 (6.35) .234 (5.94)	.114 (2.90)	2.000 (50.80)	1.744 (44.30)	1.453 (36.91)	.750 (19.05)

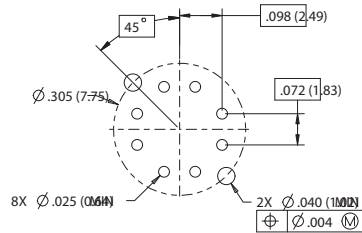


Mounting Holes			
Shell Size	Ø P Min	Ø R Holes	S
11	.796 (20.22)	.133 (3.38) .123 (3.12)	.812 (20.62)
19	1.297 (32.94)		1.156 (29.36)
21	1.422 (36.12)		1.250 (31.75)
25	1.672 (42.47)	.155 (3.94) .145 (3.68)	1.500 (38.10)

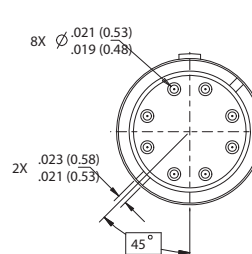
PCB FOOTPRINTS



PINOUT
P = PIN PC TAIL PINOUT
S = SOCKET PC TAIL PINOUT
VIEW FROM FRONT OF CONNECTOR



RECOMMENDED PCB LAYOUT
VIEW FROM FRONT OF CONNECTOR



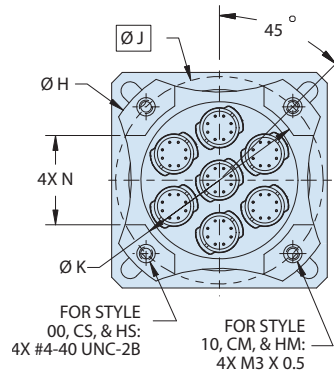
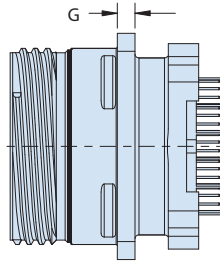
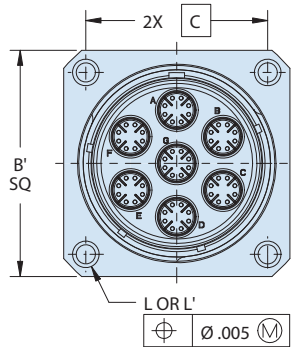
SERIES 23 SUPERNINE

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



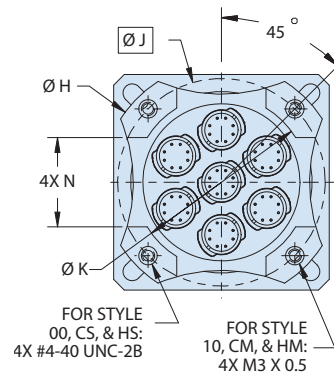
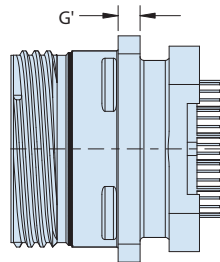
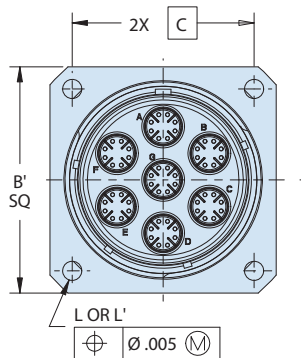
2333-2004 PCB Mount, Dual-Flange Receptacle

CM, CS, HM, AND HS - WALL MOUNT RECEPTACLES



-CM and -CS Wall-Mount Receptacle with Metric and Standard Clinch Nuts

Shell Size	A Thread	B'SQ	C	G	L	L'	ØH ±.005	ØJ	ØK ±.005	N ±.010
11	.7500-0.1P-0.3L-TS-2A	1.187 (30.15) 1.147 (29.13)	.812 (20.62)	.122 (3.10) .083 (2.11)	.112-40 UNC-2B	M3x0.5	1.062 (26.97)	.850 (21.59)	.595 (15.11)	.250 (6.35)
19	1.2500-0.1P-0.3L-TS-2A	1.531 (38.89) 1.491 (37.87)	1.156 (29.36)	.153 (3.89) .114 (2.90)			1.625 (41.28)	1.379 (35.03)	1.125 (28.58)	.500 (12.70)
21	1.3750-0.1P-0.3L-TS-2A	1.625 (41.28) 1.585 (40.26)	1.250 (31.75)				1.750 (44.45)	1.489 (37.82)	1.240 (31.50)	.562 (14.27)
25	1.6250-0.1P-0.3L-TS-2A	1.875 (47.63) 1.835 (46.61)	1.500 (38.10)		.138-32 UNC-2B	M4x0.7	2.000 (50.80)	1.744 (44.30)	1.453 (36.91)	.750 (19.05)



-HM and -HS Wall-Mount Receptacle with Metric and Standard Helicoils

Shell Size	A Thread	B'SQ	C	G'	L	L'	ØH ±.005	ØJ	ØK ±.005	N ±.010
11	.7500-0.1P-0.3L-TS-2A	1.187 (30.15) 1.147 (29.13)	.812 (20.62)	.179 (4.55) .140 (3.56)	.112-40 UNC-2B	M3x0.5	1.062 (26.97)	.850 (21.59)	.595 (15.11)	.250 (6.35)
19	1.2500-0.1P-0.3L-TS-2A	1.531 (38.89) 1.491 (37.87)	1.156 (29.36)				1.625 (41.28)	1.379 (35.03)	1.125 (28.58)	.500 (12.70)
21	1.3750-0.1P-0.3L-TS-2A	1.625 (41.28) 1.585 (40.26)	1.250 (31.75)				1.750 (44.45)	1.489 (37.82)	1.240 (31.50)	.562 (14.27)
25	1.6250-0.1P-0.3L-TS-2A	1.875 (47.63) 1.835 (46.61)	1.500 (38.10)	.190 (4.83) .170 (4.32)	.138-32 UNC-2B	M4x0.7	2.000 (50.80)	1.744 (44.30)	1.453 (36.91)	.750 (19.05)

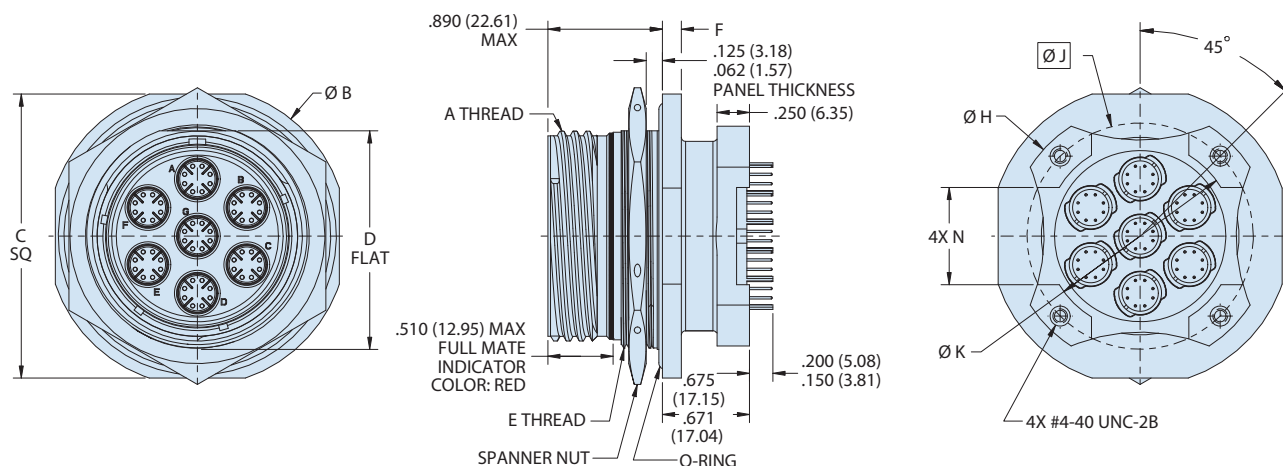
SERIES 23 SUPERNINE

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

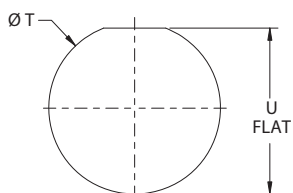


2333-2004-07 PCB Mount, Dual-Flange Receptacle

07- JAM-NUT MOUNT RECEPTACLE



-07 Jam-Nut Receptacle										
Shell Size	A Thread	$\varnothing B$	C SQ	D Flat	E Thread	F	$\varnothing H \pm .005$	$\varnothing J$	$\varnothing K \pm .005$	N $\pm .010$
11	.7500-0.1P-0.3L-TS-2A	1.386 (35.20) 1.362 (34.59)	1.268 (32.21) 1.263 (32.08)	.755 (19.18) .745 (18.92)	M20 X 1.0-6g	.122 (3.10) .083 (2.11)	1.062 (26.97)	.850 (21.59)	.595 (15.11)	.250 (6.35)
19	1.2500-0.1P-0.3L-TS-2A	1.949 (49.50) 1.925 (48.90)	1.827 (46.41) 1.795 (45.59)	1.316 (33.43) 1.306 (33.17)	M35 X 1.0-6g		1.625 (41.28)	1.379 (35.03)	1.125 (28.58)	.500 (12.70)
21	1.3750-0.1P-0.3L-TS-2A	2.075 (52.71) 2.051 (52.10)	1.953 (49.61) 1.921 (48.79)	1.441 (36.60) 1.431 (36.35)	M38 X 1.0-6g	.153 (3.89) .114 (2.90)	1.750 (44.45)	1.489 (37.82)	1.240 (31.50)	.562 (14.27)
25	1.6250-0.1P-0.3L-TS-2A	2.323 (59.00) 2.299 (58.39)	2.205 (56.01) 2.173 (55.19)	1.691 (42.95) 1.681 (42.70)	M44 X 1.0-6g		2.000 (50.80)	1.744 (44.30)	1.453 (36.91)	.750 (19.05)



Mounting Holes		
Shell Size	$\varnothing T$	U Flat
11	.835 (21.21) .825 (20.96)	.771 (19.58) .761 (19.33)
19	1.395 (35.43) 1.385 (35.18)	1.335 (33.91) 1.325 (33.65)
21	1.520 (38.61) 1.510 (38.35)	1.460 (37.08) 1.450 (36.83)
25	1.770 (44.96) 1.760 (44.70)	1.710 (43.43) 1.700 (43.18)