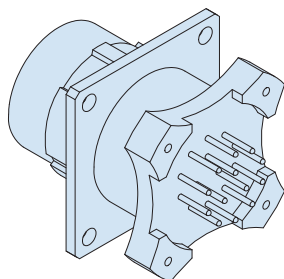
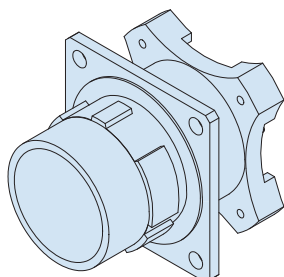


MIL-DTL-38999 Series IV Type
234-211 Panel mount receptacles with PC tails, dual-flange



"BETTER-THAN-QPL" FEATURES AND BENEFITS

- Secure breech-lock mating connector meets D38999 shock and vibrate
- Glenair Signature Tin Zinc finish class is RoHS compliant and cadmium compatible
- Precision-machined key/keyway polarization for reliable mismatching protection
- Scoop-proof design prevents pin damage and short circuits
- Fully tooled for all MIL-STD-1560 insert arrangements
- Contact options include size #22D, #20, #16, and #12 (see High-Speed series for Size #8)
- 500 mating cycles exceeds MIL-DTL-38999 specification

HOW TO ORDER							
Sample Part Number	234-211	-DO	NF	11	-35	P	N
Basic Part Number	234-211						
Connector Style	(See Table II)						
Material/Finish	(See Table I)						
Shell Size	11, 13, 15, 17, 19, 21, 23, 25						
Insert Arrangement	PER MIL-STD-1560						
Insert Designator	P = Pin, Gold S = Socket, Gold H = Pin, Pd/Ni J = Socket, Pd/Ni						
Alternate Polarization	A, B, C, D, K, L, M, R, N = Normal						

TABLE I - MATERIAL/FINISH			
Equiv Class	Sym	Material	Finish
W	NF	Aluminum Alloy	Cad/O.D. over Electroless Nickel
G*	MA**		Electroless Nickel, Matte
T*	MT		Nickel-PTFE
F	ME		Electroless Nickel
AA	MN		MegaNickel
V	TZ		Tin-Zinc
Z*	ZR		Zinc Ni, Black (Tri-Valent CR)
K*	Z1	Stainless Steel	Passivate
L*	ZL		Electrodeposited Nickel

* = Glenair Equivalent Only

** = Connectors for space applications must be ordered with "MA" finish and mod code "-186T" to conform to the thermal vacuum outgassing requirements of class G.

TABLE II - CONNECTOR STYLE	
Sym	Description
DO	Receptacle, wall-mount with round holes, standard stand-off thread
MO	Receptacle, wall-mount with round holes, metric stand-off thread
CM	Receptacle, wall-mount with metric clinch nuts
CS	Receptacle, wall-mount with standard clinch nuts
HM	Receptacle, wall-mount with metric helicoil
HS	Receptacle, wall-mount with standard helicoils

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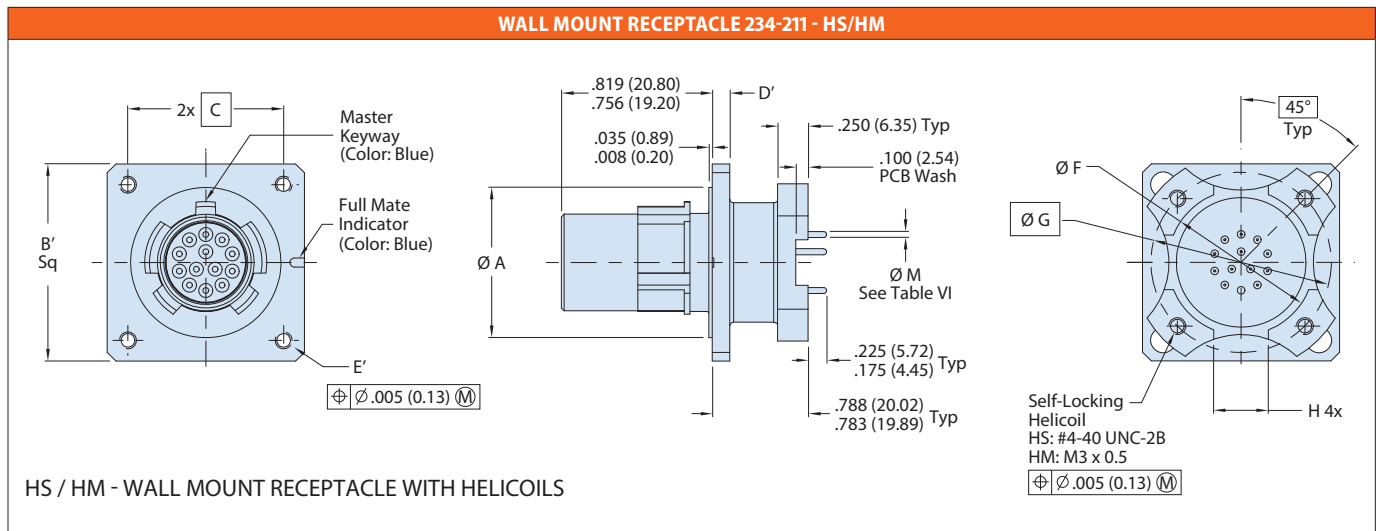
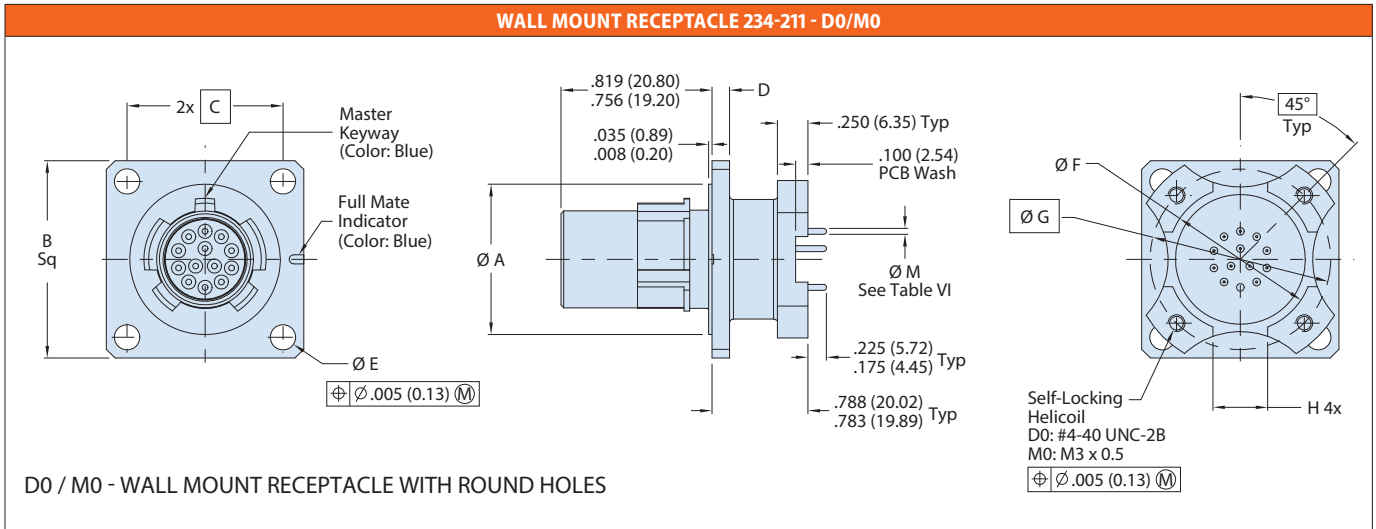
ENVIRONMENTAL CONNECTORS

TABLE IV - MOUNTING HOLES						
<p>RECOMMENDED MOUNTING HOLES FOR WALL MOUNT RECEPTACLES</p>	Size Code	Shell Size	ØN Min	ØP Holes	R Bsc	
	B	11	0.796 (20.22)	.133 (3.38) .123 (3.12)	0.812 (20.62)	
	C	13	0.922 (23.42)		0.906 (23.01)	
	D	15	1.047 (26.59)		0.969 (24.61)	
	E	17	1.219 (30.96)		1.062 (26.97)	
	F	19	1.297 (32.94)		1.156 (29.36)	
	G	21	1.422 (36.12)		1.250 (31.75)	
	H	23	1.547 (39.29)		.159 (4.04) .149 (3.78)	1.375 (34.93)
	J	25	1.672 (42.47)		.155 (3.94) .145 (3.68)	1.500 (38.10)

TABLE VI - PC TAIL	
Contact Size	PC Tail ØM
#23	.020 (0.51) .018 (0.46)
#22	.020 (0.51) .018 (0.46)
#20	.030 (0.76) .028 (0.71)
#16	.040 (1.02) .038 (0.97)
#12	.072 (1.83) .070 (1.78)

TABLE V - SHELL SIZE													
Size Code	Shell Size	ØA	B Sq	B' Sq	C Bsc	D	D'	ØE	E'	ØF ±.005	ØG Bsc	H ±.010	
									HS/CS	HM/CM			
B	11	.793 (20.14) .778 (19.76)	1.051 (26.70) 1.008 (25.60)	1.187 (30.15) 1.147 (29.13)	0.812 (20.62)	.102 (2.59) .083 (2.11)	.180 (4.57) .150 (3.81)	.138 (3.51) .122 (3.10)	#4-40 UNC	M3 X0.5	0.595 (15.11)	0.850 (21.59)	0.250 (6.35)
C	13	.919 (23.34) .904 (22.96)	1.145 (29.08) 1.103 (28.02)	1.281 (32.54) 1.241 (31.52)	0.906 (23.01)						0.720 (18.29)	0.994 (25.25)	0.250 (6.35)
D	15	1.044 (26.52) 1.029 (26.14)	1.240 (31.50) 1.197 (30.40)	1.344 (34.14) 1.304 (33.12)	0.969 (24.61)						0.843 (21.41)	1.119 (28.42)	0.325 (8.26)
E	17	1.170 (29.72) 1.155 (29.34)	1.334 (33.88) 1.292 (32.82)	1.437 (36.50) 1.397 (35.48)	1.062 (26.97)						1.000 (25.40)	1.237 (31.42)	0.375 (9.53)
F	19	1.294 (32.87) 1.279 (32.49)	1.460 (37.08) 1.418 (36.02)	1.531 (38.89) 1.491 (37.87)	1.156 (29.36)						1.125 (28.58)	1.379 (35.03)	0.500 (12.70)
G	21	1.419 (36.04) 1.404 (35.66)	1.582 (40.18) 1.540 (39.12)	1.625 (41.28) 1.585 (40.26)	1.250 (31.75)						1.240 (31.50)	1.489 (37.82)	0.562 (14.27)
H	23	1.544 (39.22) 1.529 (38.84)	1.708 (43.38) 1.666 (42.32)	1.750 (44.45) 1.710 (43.43)	1.375 (34.93)	.133 (3.38) .115 (2.92)	.190 (4.83) .170 (4.32)	.157 (3.99) .142 (3.61)	#6-32 UNC	M4 X0.7	1.328 (33.73)	1.619 (41.12)	0.688 (17.48)
J	25	1.669 (42.39) 1.654 (42.01)	1.834 (46.58) 1.792 (45.52)	1.875 (47.63) 1.835 (46.61)	1.500 (38.10)	1.453 (36.91)					1.744 (44.30)	0.750 (19.05)	

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NOTES

- Material/Finish:
 - Shell, Jam Nut - See Table I
 - Contacts - Copper Alloy / See Table III
 - Insulators - High Grade Rigid Dielectric.
 - Seals - Fluorosilicone Blend.
 - Potting - Epoxy.
- Glenair's 234-211 receptacle connector is designed to meet the applicable performance and interface requirements of MIL-DTL-38999 Series IV except as shown and/or noted. Receptacle mates with any QPL manufacturer's MIL-DTL-38999, Series IV plug having complimentary features (shell size, insert arrangement, polarization, and contact gender).
- Glenair's 234-211 receptacle connector is designed with fixed PC tail contacts. Connector potting process meets or exceeds ingress protection rating IP67 and is environmentally sealed with a leak rate of $< 1 \times 10^{-4}$ ccHe/sec in an unmated condition.
- Insert arrangement is in accordance with MIL-STD-1560. Arrangement shown for reference only.

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