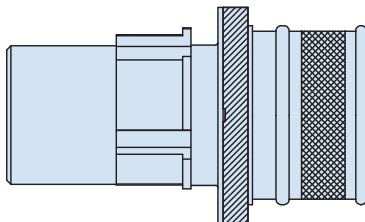


MIL-DTL-38999 Series IV Type 234-206 Breech-lock mating plug and receptacles



HOW TO ORDER									
Sample Part Number	234-206	-D0	NF	11	-35	P	N	-T	
Basic Part Number	234-206								
Connector Style	(See Table II)								
Material/Finish	(See Table I)								
Connector Size	11, 13, 15, 17, 19, 21, 23, 25								
Insert Arrangement	PER MIL-STD-1560								
Contact Style	(See Table III)								
Alternate Polarization	A, B, C, D, K, L, M, R, N = Normal								
Wing Nut Profile	-T = For shrink boot option (See Table VI) Omit for no boot								

"BETTER-THAN-QPL" FEATURES AND BENEFITS

- Secure breech-lock mating connector meets D38999 shock and vibe
- Integral banding porch on plug eliminates need for add-on accessories
- Improved plug ground fingers deliver outstanding EMI performance—equal to D38999 Series III
- 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

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.

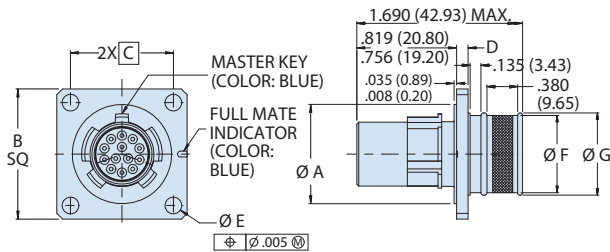
TABLE II - CONNECTOR STYLE	
Sym	Description
D0	Receptacle, wall-mount with round holes,
05	In-line receptacle
CM	Receptacle, wall-mount with metric clinch nuts
CS	Receptacle, wall-mount with standard clinch nuts
HM	Receptacle, wall-mount with metric helicoil
HS	Receptacle, wall-mount with standard helicoils
07	Receptacle, jam nut mount
G6	Plug, EMI spring

TABLE III - CONTACT STYLE	
Sym	Description
P	Pin, Gold
S	Socket, Gold
H	Pin, Pd/Ni
J	Socket, Pd/Ni
A	Pin Insert, Less Pin Contacts
B	Socket Insert, Less Socket Contacts

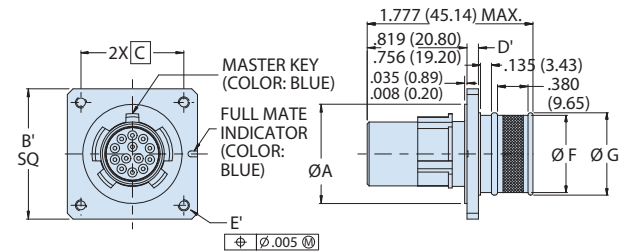
TABLE VI - SHRINK BOOTS		
Shell Size Code	Shell Size	Part Number
B	11	770-003S103W1
C	13	770-003S103W1
D	15	770-003S105W1
E	17	770-003S105W1
F	19	770-003S106W1
G	21	770-003S106W1
H	23	770-003S107W1
J	25	770-003S107W1

MIL-DTL-38999 Series IV Type 234-206 Breech-lock mating plug and receptacles

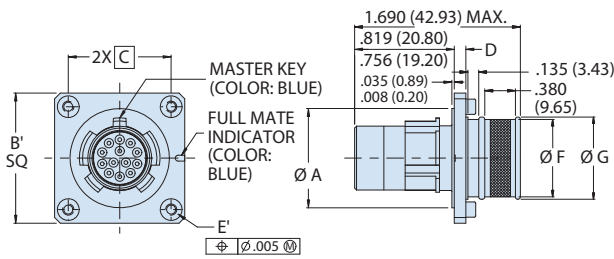
TABLE V - WALL-MOUNT AND IN-LINE RECEPTACLE DIMENSIONS



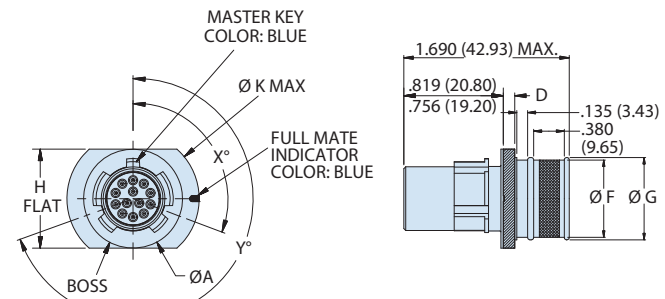
D0 - WALL MOUNT RECEPTACLE WITH ROUND HOLES



HS / HM - WALL MOUNT RECEPTACLE WITH HELICOILS



CS / CM - WALL MOUNT RECEPTACLE WITH CLINCH NUTS

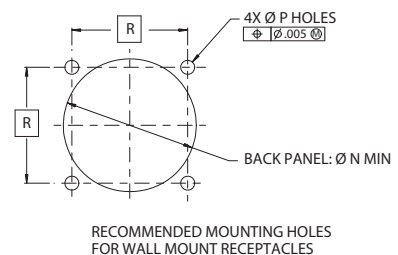


05 - IN-LINE RECEPTACLE

Size Code	Shell Size	ØA	B SQ	B' SQ	C BSC	D	D'	ØE	E'		ØF	ØG	H Flat	ØK Max.
									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)	.137 (3.48) .123 (3.12)	#4-40 UNC	M3 X0.5	0.600 (15.24)	0.648 (16.46)	0.785 (19.94)	1.054 (26.77)
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)						0.700 (17.78)	0.762 (19.35)	0.911 (23.14)	1.226 (31.14)
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)						0.835 (21.21)	0.898 (22.81)	1.036 (26.31)	1.351 (34.32)
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)						0.960 (24.38)	1.022 (25.96)	1.162 (29.51)	1.476 (37.49)
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)						1.062 (26.97)	1.125 (28.58)	1.286 (32.66)	1.586 (40.28)
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)						1.188 (30.18)	1.250 (31.75)	1.411 (35.84)	1.711 (43.46)
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	1.275 (32.39)	1.338 (33.99)	1.536 (39.01)	1.836 (46.63)
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)						1.475 (37.47)	1.528 (38.81)	1.661 (42.19)	1.964 (49.89)

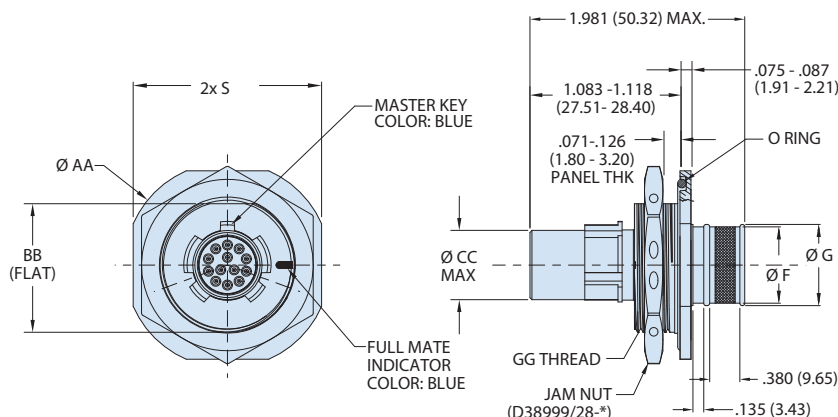
TABLE IV - MOUNTING HOLES

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)



**MIL-DTL-38999 Series IV Type
234-206 Breech-lock mating plug and receptacles**

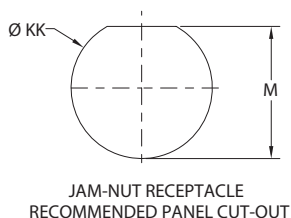
TABLE VII - JAM NUT MOUNT RECEPTACLE DIMENSIONS



07 - JAM NUT MOUNT RECEPTACLE

Shell Size	Shell Size Code	ØAA	BB (Flat)	ØCC Max	GG Thread	S	O-Ring P/N
11	B	1.520 (38.6) 1.480 (37.6)	.942 (23.93) .935 (23.74)	.509 (12.93)	M25 X 1.0-6g 0.100R	1.394 (35.4) 1.354 (34.4)	AS3582-024
13	C	1.642 (41.7) 1.602 (40.7)	1.066 (27.08) 1.059 (26.89)	.634 (16.10)	M28 X 1.0-6g 0.100R	1.520 (38.6) 1.480 (37.6)	AS3582-026
15	D	1.768 (44.9) 1.728 (43.9)	1.191 (30.26) 1.184 (30.07)	.759 (19.28)	M31 X 1.0-6g 0.100R	1.642 (41.7) 1.602 (40.7)	AS3582-028
17	E	1.957 (49.7) 1.917 (48.7)	1.321 (33.56) 1.314 (33.37)	.885 (22.48)	M34 X 1.0-6g 0.100R	1.799 (45.7) 1.760 (44.7)	AS3582-029
19	F	2.035 (51.7) 1.996 (50.7)	1.441 (36.61) 1.434 (36.42)	1.009 (25.63)	M38 X 1.0-6g 0.100R	1.909 (48.5) 1.870 (47.5)	AS3582-030
21	G	2.157 (54.8) 2.118 (53.8)	1.566 (39.78) 1.559 (39.59)	1.134 (28.80)	M41 X 1.0-6g 0.100R	2.035 (51.7) 1.996 (50.7)	AS3582-031
23	H	2.283 (58.0) 2.244 (57.0)	1.691 (42.96) 1.684 (42.77)	1.259 (31.98)	M44 X 1.0-6g 0.100R	2.157 (54.8) 2.118 (53.8)	AS3582-032
25	J	2.409 (61.2) 2.370 (60.2)	1.816 (46.13) 1.809 (45.94)	1.384 (35.15)	M47 X 1.0-6g 0.100R	2.283 (58.0) 2.244 (57.0)	AS3582-033

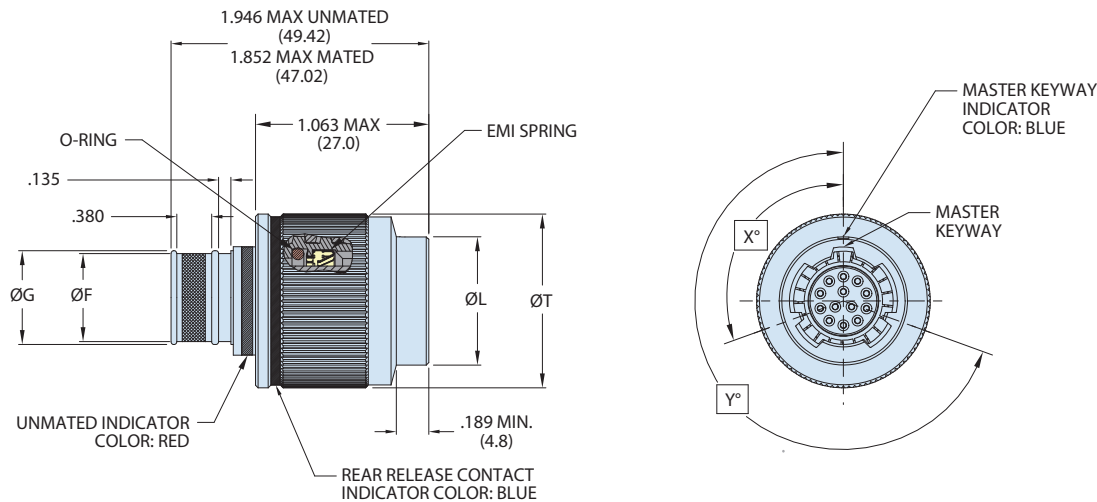
TABLE VIII - JAM-NUT MOUNT RECEPTACLE PANEL CUT-OUT



Shell Size	Shell Size Code	ØKK	M
11	B	1.020 (25.91) 1.010 (25.65)	0.955 (24.26) 0.945 (24.00)
13	C	1.145 (29.08) 1.135 (28.83)	1.085 (27.56) 1.075 (27.31)
15	D	1.270 (32.26) 1.260 (32.00)	1.210 (30.73) 1.200 (30.48)
17	E	1.395 (35.43) 1.385 (35.18)	1.335 (33.91) 1.325 (33.66)
19	F	1.520 (38.61) 1.510 (38.35)	1.460 (37.08) 1.450 (36.83)
21	G	1.645 (41.78) 1.635 (41.53)	1.585 (40.26) 1.575 (40.01)
23	H	1.770 (44.96) 1.760 (44.70)	1.710 (43.43) 1.700 (43.18)
25	J	1.895 (48.13) 1.885 (47.88)	1.835 (46.61) 1.825 (46.36)

MIL-DTL-38999 Series IV Type 234-206 Breech-lock mating plug and receptacles

PLUG, BREECH COUPLING DIMENSIONS



G6 - PLUG, EMI SPRING

Shell Size	Shell Size Code	ØL Max	ØT Max
11	B	.776 (19.7)	1.047 (26.6)
13	C	.902 (22.9)	1.220 (31.0)
15	D	1.039 (26.4)	1.346 (34.2)
17	E	1.150 (29.2)	1.472 (37.4)
19	F	1.276 (32.4)	1.583 (40.2)
21	G	1.402 (35.6)	1.705 (43.3)
23	H	1.528 (38.8)	1.831 (46.5)
25	J	1.650 (41.9)	1.957 (49.7)

TABLE B - POLARIZING POSITIONS

	N	A	B	C	D	K	L	M	R	U
X	110°	100°	90°	80°	70°	120°	120°	120°	120°	N/A
Y	250°	260°	270°	280°	290°	255°	265°	275°	285°	N/A

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 234-206 receptacle connector is designed to meet the applicable performance and interface requirements of MIL-DTL-38999 Series IV except as shown
- Glenair's 234-206 connectors are designed to withstand a minimum of 1500 mating durability cycles when mated to a "super nine" mating connector and appropriate contacts applicable to all signal contact layouts
- Insert arrangement is in accordance with MIL-STD-1560. Arrangement shown for reference only.
- Connector is supplied with contacts (including spares), insertion/removal tool, and sealing plugs where indicated in Table III.