

233-217/233-224 With shielded, crimp removable contacts MIL-DTL-38999 Series III type, part number development

Part Number Development									
Sample Part Number	233-217	-G6	NF	25	-	08	A	N	-909XX
Series / Basic Part No.	233-217 with Accessory Thread 233-224 Integral Banding Porch								
Connector Style	See Connector Style Table								
Material/Finish	NF = Cadmium Olive Drab ME = Electroless Nickel MT = Nickel PTFE ZR = Black Zinc Nickel								
Shell Size	9, 11, 13, 17, 19, 21, 23, 25								
Ground Option	G = Common Ground - = None								
Insert Arrangement	Per MIL-STD-1560; See Page C-5 and C-6								
Insert Designator	A = Pin insert, less contacts B = Socket insert, less contacts								
Alternate Polarization*	A, B, C, D, E, N = Normal (IAW MIL-DTL-38999 Series III)								
Optional Mod Code	909XX = Supplies connector with contacts; see page C-11 for Mod Code details.								

*Refer to Section A for complete details.

Connector Style*	
Sym	Description
-G6	Plug, with EMI spring
-05	Receptacle, in-line
-07	Receptacle, jam-nut
-00	Receptacle, wall mount with slotted holes
-CM	Receptacle, wall mount with metric clinch nuts
-CS	Receptacle, wall mount with standard clinch nuts
-D0	Receptacle, wall mount with thru holes
-HM	Receptacle, wall mount with metric helicoils
-HS	Receptacle, wall mount with standard helicoils

*Refer to Section A for recommended panel cutout.

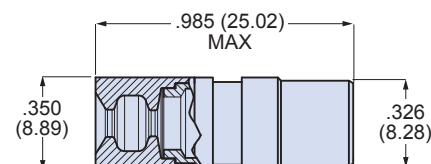
Shielded High-Speed Contact Styles			
Contact Type		Glenair P/N	Ohm
	Coax (Per M39029/59 and /60)	Pin: 852-007 Skt: 852-006	95
	Differential Twinax	Pin: 853-014-05F Skt: 853-013-05F See Note 9	100
	El Ocho	White Pin: 858-003-02F, Skt: 858-004-02F; See Note 9	100
		Blue Pin: 858-028-02F, Skt: 858-029-02F; See Note 9	90
		Red Pin: 858-030-02F, Skt: 858-031-02F; See Note 9	100
	Quadax	Pin: 854-001-02F Skt: 854-002-02F See Note 9	100
	Triax/Concentric Twinax	Pin: 853-003 Skt: 853-004	78

To order contacts separately see Section J

SEALING BOOT

Sealing boot provides wire seal. Slide boot onto wire before terminating contact. After contact is installed in connector, slide boot forward into connector grommet to seal the contact cavity. "F" suffix added on contact part number specifies contact supplied with sealing boot

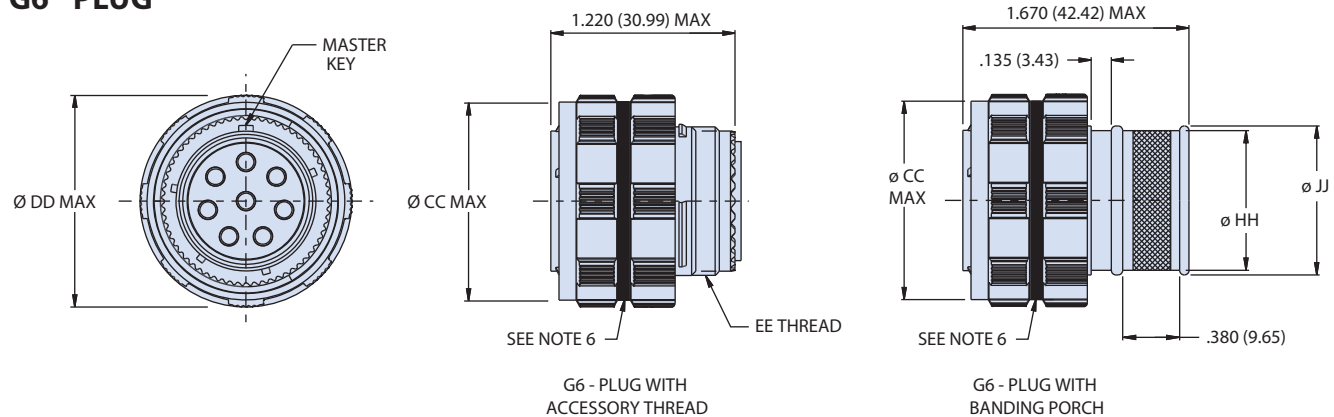
Wire Dia. (in.)	Wire Dia. (mm.)	Part Number
.090 - .130	2.3 - 3.3	859-042-01
.130 - .170	3.3 - 4.3	859-042-02
.170 - .205	4.3 - 5.2	859-042-03



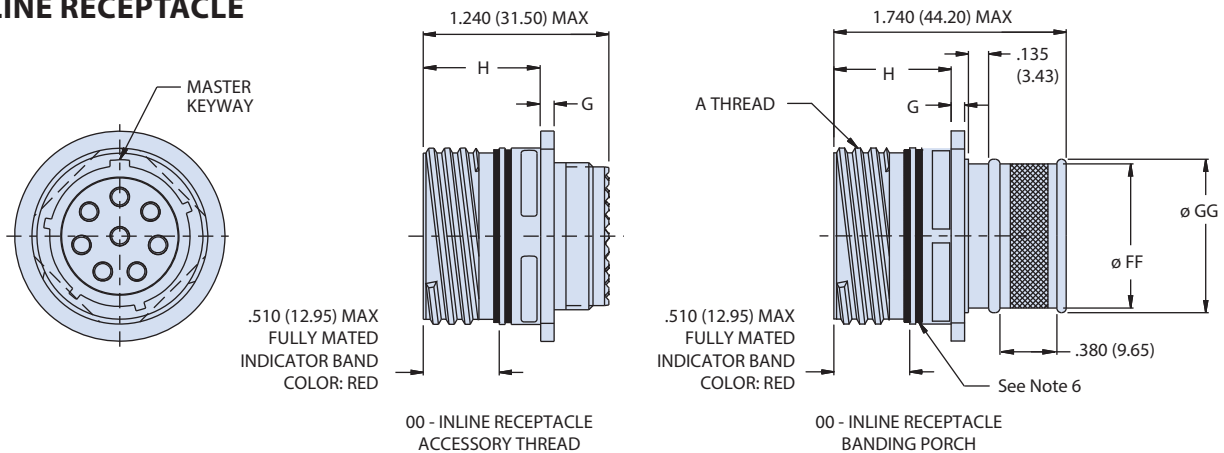
NOTES

1. Insert arrangements IAW MIL-STD-1560. Contact Glenair for additional arrangement options.
2. All contacts, insertion/removal tool, and sealing plugs to be ordered separately. See section J for details.
3. Dimensions in inch (millimeter) are subject to change without notice.
4. See reference information in this section for recommended mounting holes for wall mount and jam-nut receptacles.
5. Consult factory for additional information.
6. Blue color band indicates rear release retention system.
7. All contacts, insertion/removal tool, and sealing plugs to be ordered separately.
8. For contacts with boot, add F suffix.
9. See page C-4, figure 2 for inner pin orientation.
10. Front panel mount only

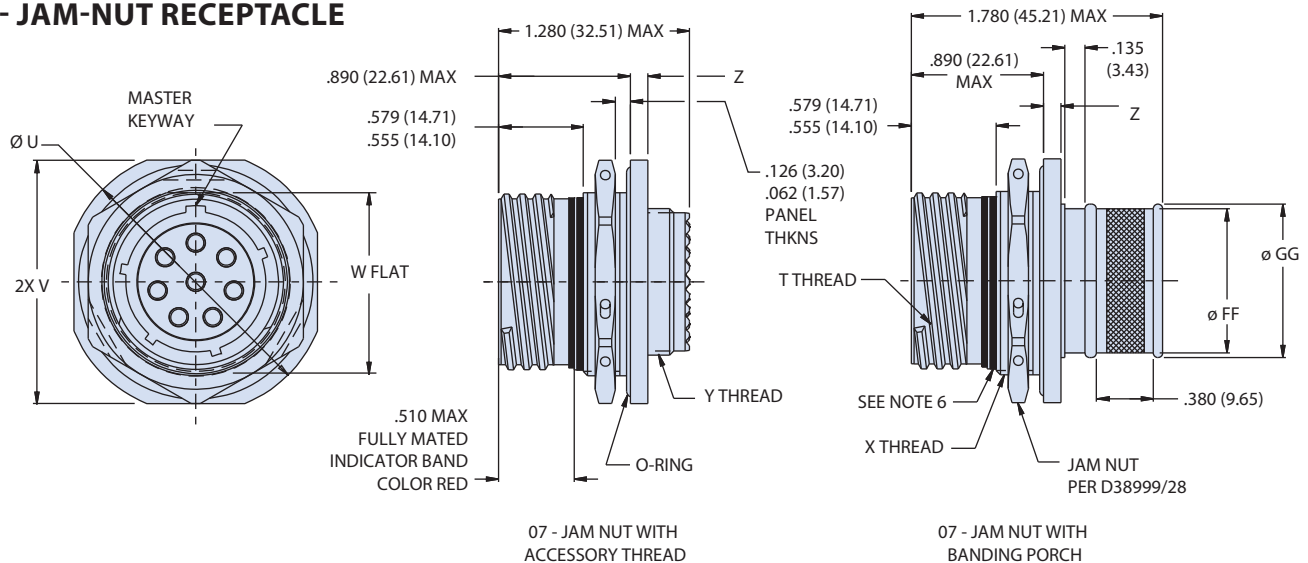
G6 - PLUG



05 - IN-LINE RECEPTACLE

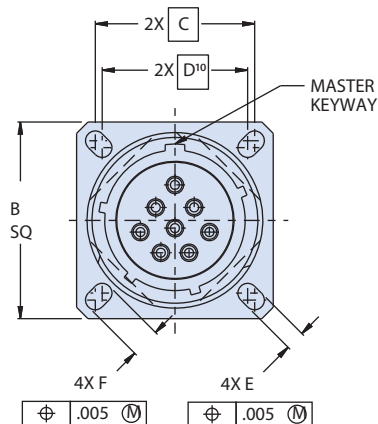


07 - JAM-NUT RECEPTACLE

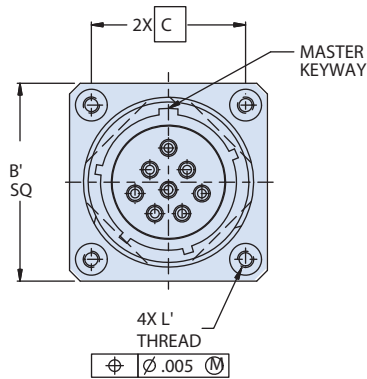


233-217/233-224 With shielded, crimp removable contacts MIL-DTL-38999 Series III type, wall mount

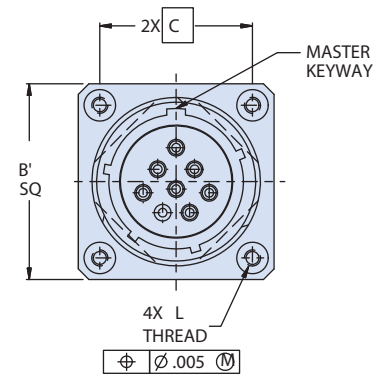
00, CM, CS, DO, HM AND HS WALL MOUNT RECEPTACLES WITH ACCESSORY THREAD OR INTEGRAL BANDING PORCH



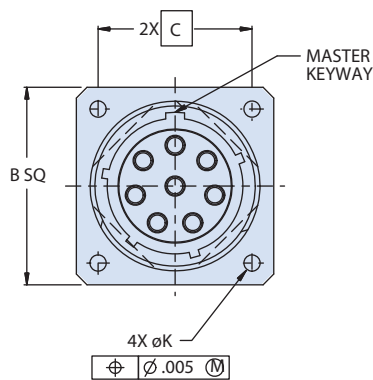
00 - WALL MOUNT RECEPTACLE
WITH SLOTTED HOLES



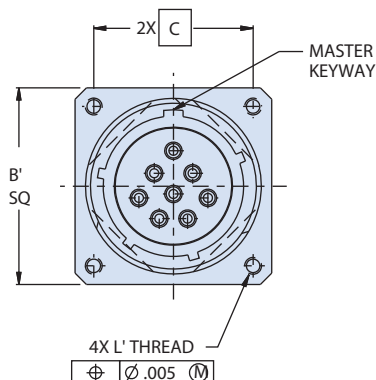
CM - WALL MOUNT RECEPTACLE
WITH METRIC CLINCH NUTS



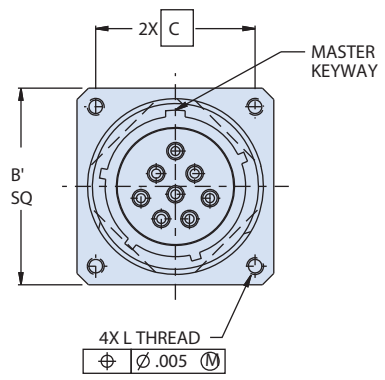
CS - WALL MOUNT RECEPTACLE
WITH STANDARD CLINCH NUTS



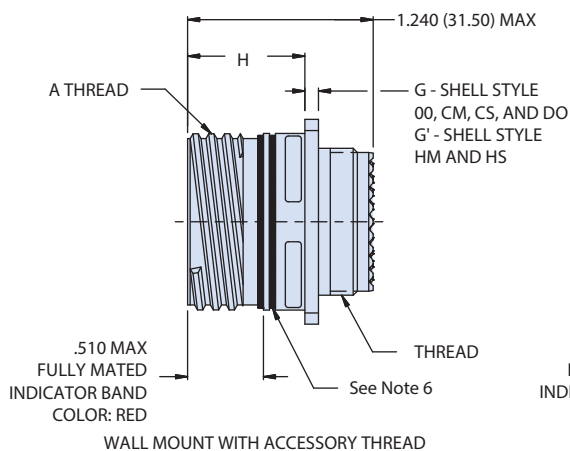
DO - WALL MOUNT RECEPTACLE
WITH THRU HOLES



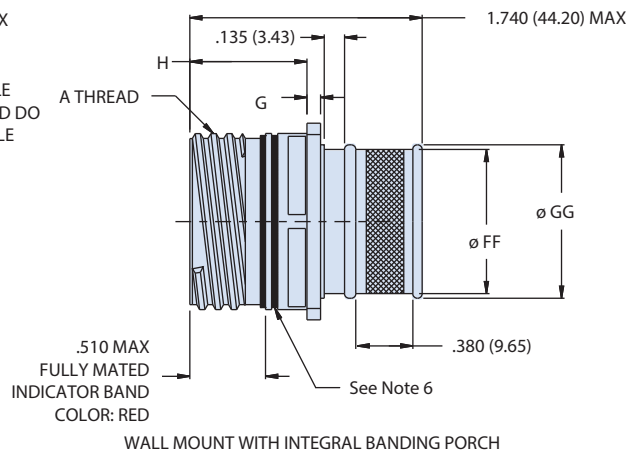
HM - WALL MOUNT RECEPTACLE
WITH METRIC HELICOILS



HS - WALL MOUNT RECEPTACLE
WITH STANDARD HELICOIL



WALL MOUNT WITH ACCESSORY THREAD



WALL MOUNT WITH INTEGRAL BANDING PORCH

233-217/233-224 With shielded, crimp removable contacts

MIL-DTL-38999 Series III type, dimensions

Plug Dimension				
Shell Size Code	Shell Size	Ø CC Max	Ø DD Max	EE Thd
A	9	.811 (20.60)	.858 (21.79)	M12 X 1.0-6g 0.100R
B	11	.929 (23.60)	.984 (24.99)	M15 X 1.0-6g 0.100R
C	13	1.008 (25.60)	1.157 (29.39)	M18 X 1.0-6g 0.100R
E	17	1.358 (34.49)	1.406 (35.71)	M25 X 1.0-6g 0.100R
F	19	1.469 (37.31)	1.516 (38.51)	M28 X 1.0-6g 0.100R
G	21	1.594 (40.49)	1.642 (41.71)	M31 X 1.0-6g 0.100R
H	23	1.720 (43.69)	1.768 (44.91)	M34 X 1.0-6g 0.100R
J	25	1.843 (46.81)	1.890 (48.01)	M37 X 1.0-6g 0.100R

Jam-nut Dimensions								
Shell Size Code	Shell Size	T Thd .1P-.3L-TS-2A	ØU	V	W Flat	X Thd (1.0-6g 0.100R)	Y Thd (1.0-6g 0.100R)	Z
A	9	.6250	1.200 (30.48) 1.178 (29.92)	1.078 (27.38) 1.048 (26.62)	.654 (16.61) .645 (16.38)	M17 X	M12 X	.122 (3.10) .083 (2.11)
B	11	.7500	1.386 (35.20) 1.362 (34.59)	1.268 (32.21) 1.236 (31.39)	0.755 (19.18) 0.745 (18.92)	M20 X	M15 X	
C	13	.8750	1.512 (38.40) 1.488 (37.80)	1.390 (35.31) 1.358 (34.49)	.942 (23.93) .932 (23.67)	M25 X	M18 X	
E	17	1.1875	1.764 (44.81) 1.740 (44.20)	1.642 (41.71) 1.610 (40.89)	1.191 (30.25) 1.181 (30.00)	M32 X	M25 X	.153 (3.89) .114 (2.90)
F	19	1.2500	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	M28 X	
G	21	1.3750	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	M31 X	
H	23	1.5000	2.201 (55.91) 2.177 (55.30)	2.079 (52.81) 2.047 (51.99)	1.566 (39.78) 1.556 (39.52)	M41 X	M34 X	
J	25	1.6250	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	M37 X	

Wall Mount Dimensions																
Shell Size Code	Shell Size	A Thd .1P-.3L-TS-2A	B Sq	B' Sq	C Bsc	D Bsc ⁷	E	F	G	G'	H	J Thd 1.0-6g 0.100R	ØK	L Thd	L' Thd	ØM
A	9	.6250	.949 (24.10) .925 (23.50)	1.094 (27.79) 1.054 (26.77)	.719 (18.26)	.594 (15.09)	.136 (3.45) .120 (3.05)	.224 (5.69) .208 (5.28)	.098 (2.49) .083 (2.11)	.179 (4.55) .140 (3.56)	.820 (20.83) .771 (19.58)	M12	.136 (3.45) .120 (3.05)	.112-40 UNC	M3X0.5	.858 (21.79)
B	11	.7500	1.043 (26.49) 1.019 (25.88)	1.187 (30.15) 1.147 (29.13)	.812 (20.62)	.719 (18.26)		M15				.984 (24.99)				
C	13	.8750	1.138 (28.91) 1.114 (28.30)	1.226 (31.14) 1.186 (30.12)	.906 (23.01)	.812 (20.62)		M18				1.157 (29.39)				
E	17	1.1875	1.323 (33.60) 1.299 (32.99)	1.437 (36.50) 1.397 (35.48)	1.062 (26.97)	.969 (24.61)		M25				1.406 (35.71)				
F	19	1.2500	1.449 (36.80) 1.425 (36.20)	1.531 (38.89) 1.491 (37.87)	1.156 (29.36)	1.062 (26.97)		M28				1.516 (38.51)				
G	21	1.3750	1.575 (40.00) 1.551 (39.40)	1.625 (41.28) 1.585 (40.26)	1.250 (31.75)	1.156 (29.36)		M31				1.642 (41.71)				
H	23	1.5000	1.701 (43.21) 1.677 (42.60)	1.750 (44.45) 1.710 (43.43)	1.375 (34.92)	1.250 (31.75)	.162 (4.11) .146 (3.71)	.250 (6.35) .234 (5.94)	.126 (3.20) .083 (2.11)	.190 (4.83) .170 (4.32)	.790 (20.07) .741 (18.82)	M34	.162 (4.11) .146 (3.71)	.138-32 UNC	M4X0.7	1.768 (44.91)
J	25	1.6250	1.823 (46.30) 1.799 (45.69)	1.875 (47.63) 1.835 (46.61)	1.500 (38.10)	1.375 (34.92)		M37				1.890 (48.01)				

Integral Banding Porch Dimensions					
Shell Size Code	Shell Size	Ø FF	Ø GG	Ø HH	Ø JJ
A	09	.475 (12.07)	.538 (13.67)	.420 (10.67)	.465 (11.81)
B	11	.600 (15.24)	.662 (16.81)	.550 (13.97)	.595 (15.11)
C	13	.700 (17.78)	.762 (19.35)	.670 (17.02)	.715 (18.16)
D	15	.835 (21.21)	.898 (22.81)	.815 (20.70)	.860 (21.84)
E	17	.960 (24.38)	1.022 (25.96)	.945 (24.00)	.990 (25.15)
F	19	1.062 (26.97)	1.125 (28.58)	1.050 (26.67)	1.100 (27.94)
G	21	1.188 (30.18)	1.250 (31.75)	1.170 (29.72)	1.220 (30.99)
H	23	1.275 (32.39)	1.338 (33.99)	1.290 (32.77)	1.340 (34.04)
J	25	1.475 (37.47)	1.538 (39.07)	1.400 (35.56)	1.450 (36.83)

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