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ADVANCED PERFORMANCE

SuperNine® Environmental Series

MIL-DTL-38999 Series III Type

233-205 Crimp-contact connectors with accessory threads

In-Line Receptacle Front View



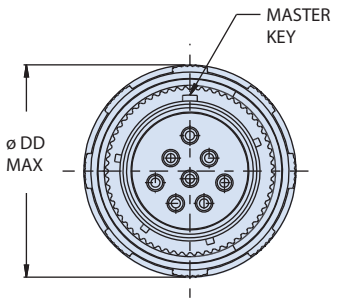
In-Line Receptacle Rear View

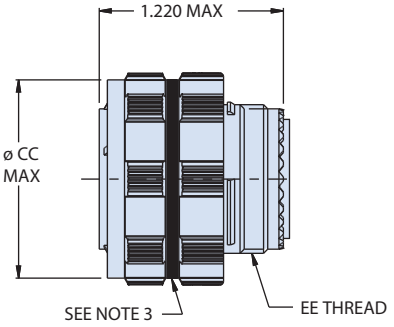


Part Number Development						
Sample Part Number	**233-205**	**-G6**	**MT**	**17-8**	**P**	**N**
Series / Basic Part No.	**233-205** = SuperNine crimp contact wire harness connectors					
Connector Style*	**G6** = Plug, with EMI Spring **05** = Receptacle, In-Line **07** = Receptacle, Jam Nut **00** = Receptacle, Wall Mount with Slotted Holes **HS** = Receptacle, Wall Mount with Standard Helicoil **HM** = Receptacle, Wall Mount with Metric Helicoil **CS** = Receptacle, Wall Mount with Standard Clinch-Nuts **CM** = Receptacle, Wall Mount with Metric Clinch-Nuts					
Finish	**NF** = Aluminum alloy/Cadmium Olive Drab **ME** = Aluminum alloy/Electroless Nickel **MT** = Aluminum alloy/Nickel PTFE **ZR** = Aluminum alloy/Black Zinc Nickel					
Shell Size-Insert Arrangement*	Per MIL-STD-1560					
Contact Type	**A** = Pin insert, less contacts **P** = Pin, high durability 1500 cycles **H** = Pin, paladium nickel **B** = Socket insert, less contacts **S** = Socket, high durability 1500 cycles **J** = Socket, paladium nickel					
Alternate Polarization*	**A, B, C, D, E, N** = Normal (IAW MIL-DTL-38999 Series III)					

***Refer to Section A for complete details**

G6 - PLUG WITH ACCESSORY THREADS





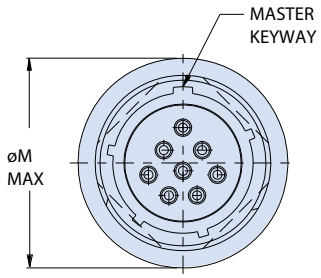
Plug Dimensions				
Shell Size Code	**Shell Size**	**ØCC Max**	**ØDD[7] Max**	**EE Thread**
A	09	.811 (20.60)	.858 (21.79)	M12 X 1.0-6g 0.100R
B	11	.929 (23.60)	.984 (24.99)	M15 X 1.0-6g 0.100R
C	13	1.110 (28.19)	1.157 (29.39)	M18 X 1.0-6g 0.100R
D	15	1.232 (31.29)	1.280 (32.51)	M22 X 1.0-6g 0.100R
E	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

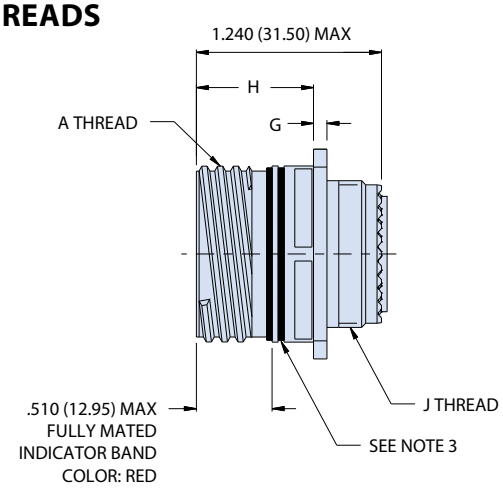
NOTES

1. 233-205 is designed to meet or exceed the mechanical, electrical, environmental and dimensional requirements of D38999/20, /24 & /26. Except as shown and/or noted.
2. Insert arrangements IAW MIL-STD-1560, plus Glenair HD shielded contact specials.
3. Blue color band indicates rear release retention system.
4. Connector is supplied with contacts (including spares), insertion/removal tool and sealing plugs.
5. Dimensions in inches (millimeters) are subject to change without notice.
6. Consult factory for additional information.
7. Front panel mount only
8. Material/finish:
   - Shell, barrel, coupling nut jam nut - see part number development
   - ratchet ring, detent spring: stainless steel/passivated
   - grounding spring: BeCu alloy/ nickel plated
   - insulator: high grade rigid dielectric/ N.A.
   - Seals, grommet: fluorosilicone blend/ N/A.
   - Contacts: copper alloy/seepart number development

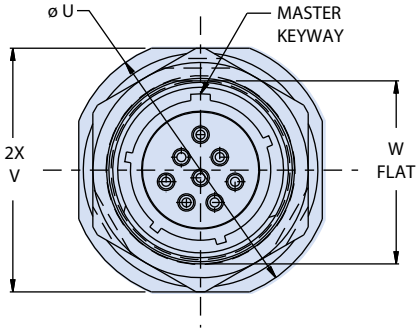
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Dimensions in Inches (millimeters) are subject to change without notice.

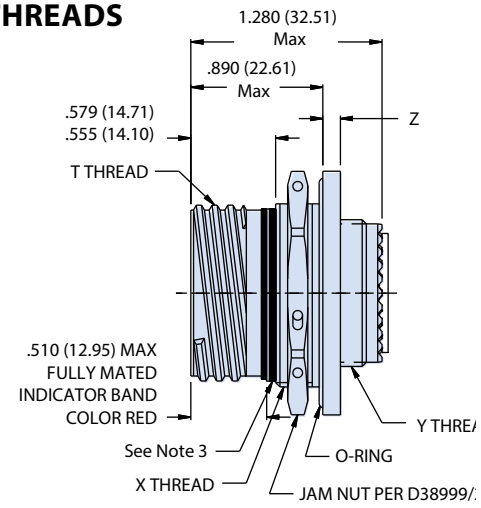
05 - IN-LINE RECEPTACLE WITH ACCESSORY THREADS



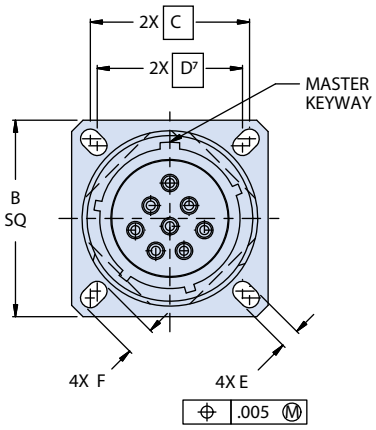


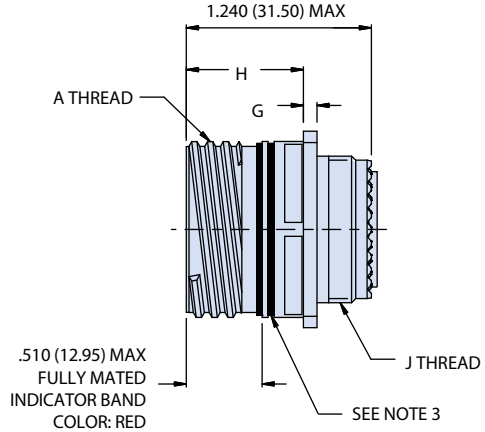
07 - JAM NUT RECEPTACLE WITH ACCESSORY THREADS





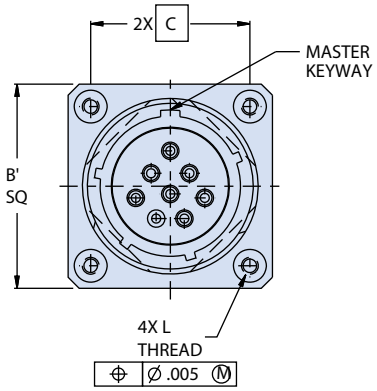
00 - WALL MOUNT RECEPTACLE WITH ACCESSORY THREADS AND SLOTTED HOLES



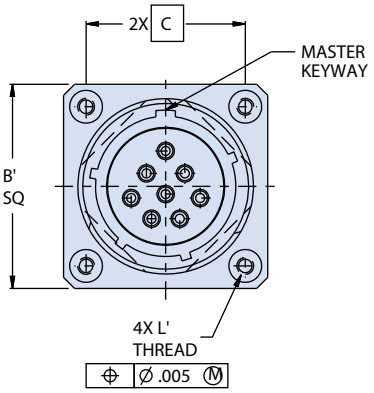


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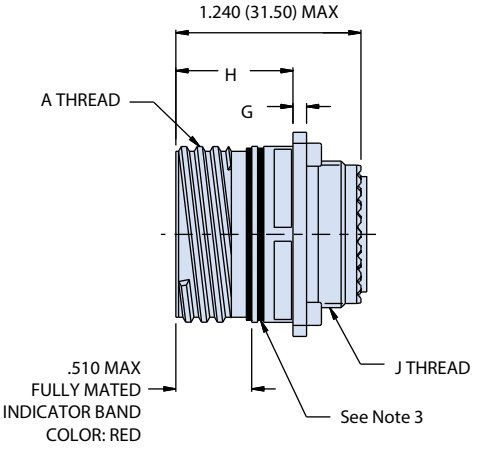
CS AND CM - WALL MOUNT RECEPTACLE WITH METRIC OR STANDARD CLINCH NUTS



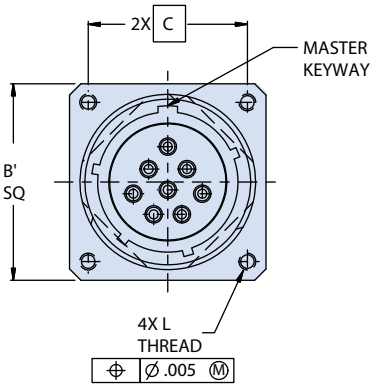
CS- STANDARD CLINCH NUTS



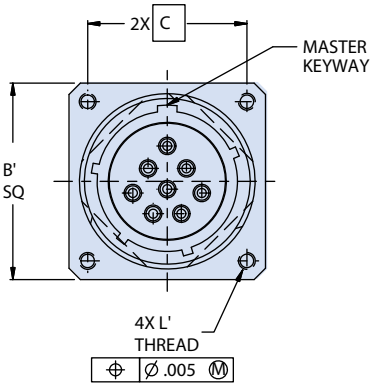
CM - METRIC CLINCH NUTS



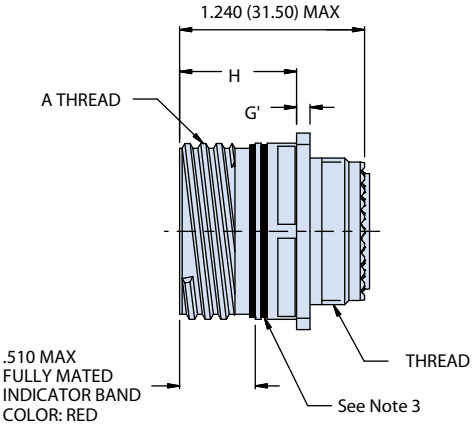
HS AND HM - WALL MOUNT RECEPTACLE WITH METRIC OR STANDARD HELICOILS



HS- WITH STANDARD HELICOILS



HM - WITH METRIC HELICOILS



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SuperNine® Environmental Series

MIL-DTL-38999 Series III Type

233-205 crimp-contact connectors with accessory threads

Wall Mount and In-line Dimensions

Shell Size Code	Shell Size	A Thread -.1P-.3L-TS-2A	B Sq	B'	C Bsc	D Bsc*	E	F	G	G'	H	J Thread	L Thread	L' Thread	ØM Max
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 X 1.0-6g 0.100R	.112-40 UNC	M3X 0.5	.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)		.202 (5.13) .186 (4.72)				M15 X 1.0-6g 0.100R			.984 (24.99)
C	13	.8750	1.138 (28.91) 1.114 (28.30)	1.281 (32.54) 1.241 (31.52)	.906 (23.01)	.812 (20.62)						M18 X 1.0-6g 0.100R			1.157 (29.39)
D	15	1.0000	1.232 (31.29) 1.208 (30.68)	1.344 (34.14) 1.304 (33.12)	.969 (24.61)	.906 (23.01)		.181 (4.60) .165 (4.19)				M22 X 1.0-6g 0.100R			1.280 (32.51)
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)		.202 (5.13) .186 (4.72)				M25 X 1.0-6g 0.100R			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 X 1.0-6g 0.100R			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)			.126 (3.20) .083 (2.11)	.190 (4.83) .170 (4.32)	.790 (20.07) .741 (18.82)	M31 X 1.0-6g 0.100R			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)				M34 X 1.0-6g 0.100R	.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 X 1.0-6g 0.100R			1.890 (48.01)

* Front panel mount only

Jam Nut Dimensions

Shell Size Code	Shell Size	T Thread	Ø U	V	W Flat	X Thread	Y Thread	Z
A	09	.6250-.1P-.3L-TS-2A	1.200 (30.48) 1.178 (29.92)	1.078 (27.38) 1.048 (26.62)	.654 (16.61) .645 (16.38)	M17 X 1.0-6g 0.100R	M12 X 1.0-6g 0.100R	0.122 0.083
B	11	.7500-.1P-.3L-TS-2A	1.386 (35.20) 1.362 (34.59)	1.268 (32.21) 1.236 (31.39)	.755 (19.18) .745 (18.92)	M20 X 1.0-6g 0.100R	M15 X 1.0-6g 0.100R	
C	13	.8750-.1P-.3L-TS-2A	1.512 (38.40) 1.488 (37.80)	1.390 (35.31) 1.358 (34.49)	.942 (23.93) .932 (23.67)	M25 X 1.0-6g 0.100R	M18 X 1.0-6g 0.100R	
D	15	1.0000-.1P-.3L-TS-2A	1.638 (41.61) 1.614 (41.00)	1.516 (38.51) 1.484 (37.69)	1.066 (27.08) 1.056 (26.82)	M28 X 1.0-6g 0.100R	M22 X 1.0-6g 0.100R	
E	17	1.1875-.1P-.3L-TS-2A	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 1.0-6g 0.100R	M25 X 1.0-6g 0.100R	
F	19	1.2500-.1P-.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 0.100R	M28 X 1.0-6g 0.100R	0.153 0.114
G	21	1.3750-.1P-.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 0.100R	M31 X 1.0-6g 0.100R	
H	23	1.5000-.1P-.3L-TS-2A	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 1.0-6g 0.100R	M34 X 1.0-6g 0.100R	
J	25	1.6250-.1P-.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 0.100R	M37 X 1.0-6g 0.100R	

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