MIL-DTL-38999 Series III Environmental connectors

233-105 Crimp contact series with accessory threads

How To Order - 233-105						
Sample Part Number	**233-105**	**-G6**	**NF**	**17-8**	**P**	**N**
Series / Basic Part No.	MIL-DTL-38999 Series III Environmental Connector					
Connector Style	**G6** = Plug, EMI Spring **07** = Receptacle, Jam Nut **02** = Receptacle, Box Mount with Slotted Holes **00** = Receptacle, Wall Mount with Slotted Holes **D0** = Receptacle, Wall Mount with Round Holes **CS** = Receptacle, Wall Mount with Standard Clinch Nuts **HS** = Receptacle, Wall Mount with Standard Helicoils **05** = Receptacle, In-Line					
Material and Finish	See Table I					
Shell Size-Insert Arrangement	Per MIL-STD-1560					
Contact Type	**P** = Pin, 500 Cycles **S** = Socket, 500 Cycles **A** = Pin Insert, Less Contacts **B** = Socket Insert, Less Contacts **H** = Pin, 1500 Cycles **J** = Socket, 1500 Cycles					
Alternate Polarization	**A**, **B**, **C**, **D**, **E**, **N** = Normal **U**=Universal					

Wire Accommodation	
Contact Size	**Wire Gauge**
23	#22 - #28
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14

NOTES

1. 233-105 is designed to meet or exceed the mechanical, electrical, environmental and dimensional requirements of D38999/20, /24 & /26.
2. Insert arrangements IAW MIL-STD-1560 and custom insert arrangements are available in COTS series.
3. Size 8 contact arrangements are available in the 233-217 series.
4. Blue color band indicates rear release retention system.
5. Connector is supplied with contacts (including spares), insertion/removal tool and sealing plugs.
6. Dimensions in inches (millimeters) are subject to change without notice
7. Consult factory for additional information

Table I: Material and Finish				
38999	**233-105**	**Material**	**Finish Description**	**RoHS**
F	**ME**	Aluminum	Electroless Nickel	☑
G	**MA**		Electroless Nickel	☑
T	**MT**		Ni-PTFE (Nickel Fluorocarbon Polymer)	☑
V	**TZ**		Tin-Zinc (SnZn) Over Electroless Nickel Over Suitable Underplate	☑
W	**NF**		Cadmium Plate Olive Drab Over Electroless Nickel	☒
Z	**ZR**		Zinc Nickel, Black Over Suitable Underplate	☑
AA	**MN**		Tri-Nickel Alloy	☑
J	**XW**	Composite	Cadmium Olive Drab over Electroless Nickel	☒
M	**XM**		Electroless Nickel	☑
K	**Z1**	Stainless Steel	Passivate	☑
S	**ZL**		Electrodeposited Nickel	☑
-	**AB**	Marine Bronze	None (Clean Only)	☑

Connector Mating and Accessory Thread Dimensions			
Shell Size Code	**Shell Size**	**A Thread**	**J Thread**
A	9	.6250-.1P-.3L-TS-2A	M12 X 1.0-6g 0.100R
B	11	.7500-.1P-.3L-TS-2A	M15 X 1.0-6g 0.100R
C	13	.8750-.1P-.3L-TS-2A	M18 X 1.0-6g 0.100R
D	15	1.0000-.1P-.3L-TS-2A	M22 X 1.0-6g 0.100R
E	17	1.1875-.1P-.3L-TS-2A	M25 X 1.0-6g 0.100R
F	19	1.2500-.1P-.3L-TS-2A	M28 X 1.0-6g 0.100R
G	21	1.3750-.1P-.3L-TS-2A	M31 X 1.0-6g 0.100R
H	23	1.5000-.1P-.3L-TS-2A	M34 X 1.0-6g 0.100R
J	25	1.6250-.1P-.3L-TS-2A	M37 X 1.0-6g 0.100R

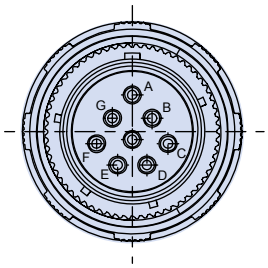
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Dimensions in inches (millimeters) are subject to change without notice

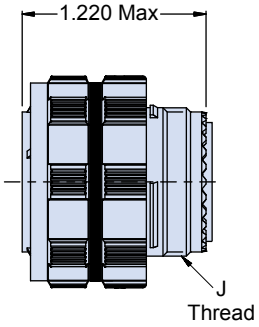
MIL-DTL-38999 Series III Environmental connectors

D38999/20, /24, /26 Crimp contact series

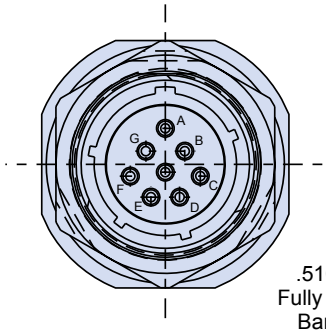
How To Order - Mil-Spec							
Sample Part Number	**D38999/**	**20**	**W**	**A**	**35**	**P**	**N**
Series / Basic Part No.	MIL-DTL-38999 Series III Environmental Connector						
Connector Style	**20** = Wall mount receptacle **24** = Jam nut receptacle **26** = Plug						
Class (Material and Finish)	See Table I						
Shell Size Code	**A**, **B**, **C**, **D**, **E**, **F**, **G**, **H** and **J** (per MIL-STD-1560)						
Insert Pattern	See pages 4–9 (per MIL-STD-1560)						
Contact Type	**P** = Pin, 500 cycles **A** = Pin insert, less standard contacts	**S** = Socket, 500 cycles **B** = Socket insert, less standard contacts					
Alternate Polarization	**A**, **B**, **C**, **D**, **E**, **N** = Normal						

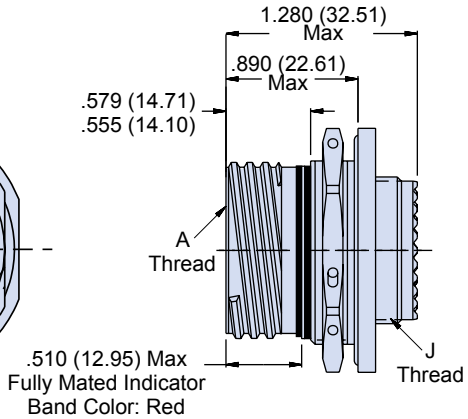
PLUG WITH ACCESSORY THREADS

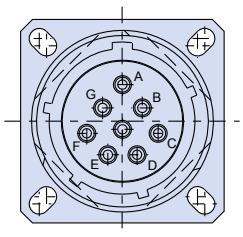


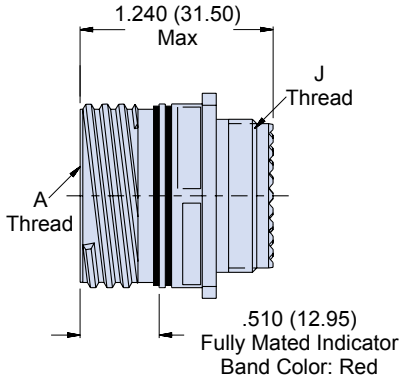


JAM NUT RECEPTACLE AND WALL MOUNT RECEPTACLE









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