

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 05 = Receptacle, In-Line 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					
Material and Finish	See Table I					
Shell Size-Insert Arrangement	Per MIL-STD-1560					
Contact Type	P = Pin, 500 Cycles A = Pin Insert, Less Contacts H = Pin, 1500 Cycles S = Socket, 500 Cycles B = Socket Insert, Less Contacts 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

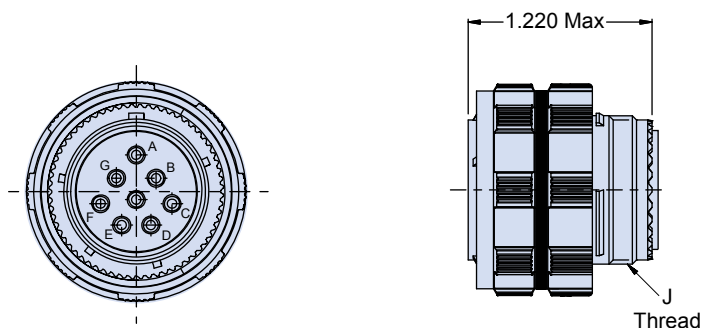
MIL-DTL-38999 Series III Environmental connectors

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 S = Socket, 500 cycles A = Pin insert, less standard contacts 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

