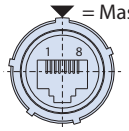
MIL-DTL-38999 Series III Type Connectors

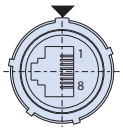
233-303 Receptacle with solder cups

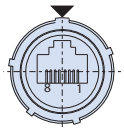
Part Number Development								
Sample Part Number	**233-303**	**NF**	**00**	**G**	**17**	**5H**	**N**	**1**

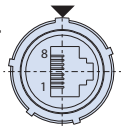
Basic Number	**233-303**
Finish	See Material and Finish table
Connector Style[1]	See Connector Style table
Insert-to-Shell Grounding	**–** = Inline shielded RJ45 insert **G** = Shielded and grounded to shell[2]
Shell Size	**17** or **19**
RJ45 Category	**5H** = CAT 5e For Cat 6A applications consult factory
Alternate Key Position[1]	Per MIL-DTL-38999 **A**, **B**, **C**, **D**, **E**, **N** = Normal
RJ45 Orientation	**1**, **2**, **3**, or **4**

RJ45 ORIENTATION OPTIONS

CODE 1 = Master Keyway 

CODE 2 

CODE 3 

CODE 4 

Jam Nut Dimensions								
Shell Size	Ø J		K		L Flat		M	
	in	mm	in	mm	in	mm	in	mm
17	1.764 1.740	44.81 44.20	1.642 1.610	41.71 40.89	1.191 1.181	30.25 30.00	.122 .083	3.10 2.11
19	1.949 1.925	49.50 48.90	1.827 1.795	46.41 45.59	1.316 1.306	33.43 33.17	.153 .114	3.89 2.90

Wall Mount Receptacle Dimensions												
Shell Size	B Sq		C Bsc		D Bsc		E		F		Ø G Holes	
	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm
17	1.323 1.299	33.60 32.99	1.062	26.97	.969	24.61	.136 .120	3.45 3.05	.202 .186	5.13 4.72	0.136 0.120	3.45 3.05
19	1.449 1.425	36.80 36.20	1.156	29.36	1.062	26.97						

Material and Finish	
NF	Aluminum/Cadmium Olive Drab
ME	Aluminum/Electroless Nickel
MT	Aluminum/Nickel PTFE
ZR	Aluminum/Black Zinc-Nickel

Connector Style	
00	Wall mount receptacle with slotted holes
07	rear panel mount, jam nut receptacle
D0	Wall mount receptacle with round holes
CM	Wall mount receptacle with metric clinch nuts

All external dimensions, features, etc. compliant with D38999/20, /24, &/26. Consult factory for additional information.

NOTES

1. See Section A for alternate key/keyway positions and panel cutout dimensions
2. G option is inline shielded and grounded to shell, available for receptacle only
3. Front panel mount only
4. Meets IP67 in unmated condition, IP68 mated
5. Receptacle connector has RJ45 jack
6. Materials and finishes
   - Shell, jam nut: Al alloy/optional
   - Seals: Silicone based elastomer
   - RJ45 coupler housing: UL94V-0 compliant ABS or PPS
   - Contacts: Copper alloy, gold plated
   - Hardware: Stainless steel/passivated

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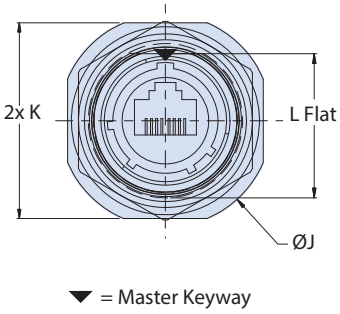
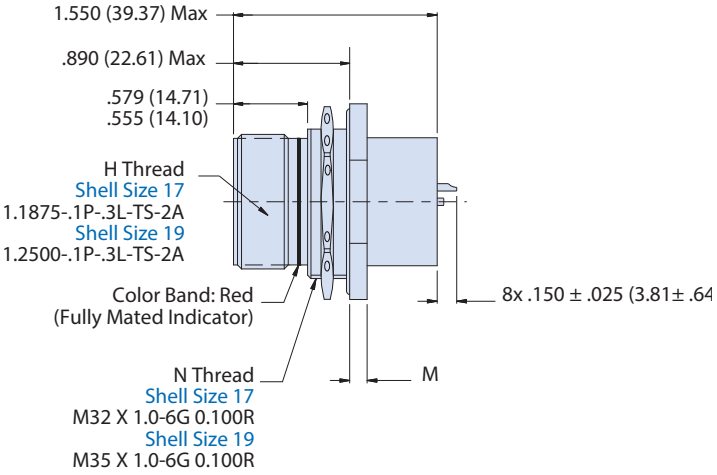
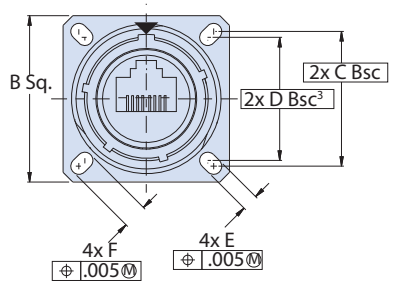
07 - REAR PANEL MOUNT, JAM NUT RECEPTACLE



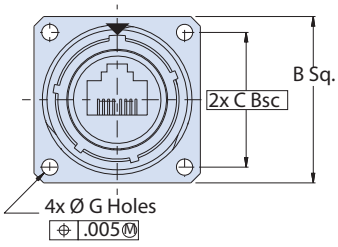


00, DO AND CM - WALL MOUNT RECEPTACLES

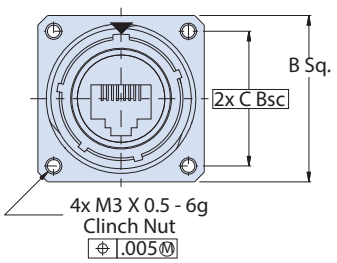
00 - Wall Mount Receptacle
with Slotted Holes (Mating Face)



D0 - Wall Mount Receptacle
with Round Holes (Mating Face)

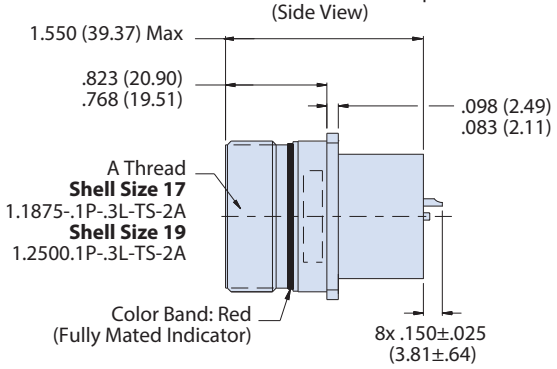


CM - Wall Mount Receptacle
with Metric Clinch Nuts (Mating Face)

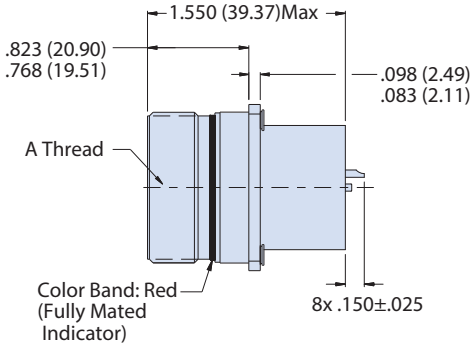


= Master Keyway

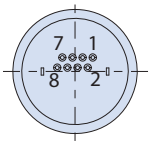
00 and D0 - Wall Mount Receptacle
(Side View)



00 and D0 - Wall Mount Receptacle
(Side View)



Rear View



For All 233-303 Receptacle Styles Position Rotates Relative To Code (Code 1 Shown)

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