

# SuperNine® “Better than QPL” MIL-DTL-38999 Series III 183-002 (05) In-line receptacle

PRIZM® MT and MT Elite®



**Tight-tolerance MIL-DTL-38999 Series III type In-Line Receptacle.** Supports from one to four PRIZM MT and/or MT Elite high-density ferrules (Glenair series 181-149 / 181-133) with industry-leading insertion loss performance. Precision-machined and molded with integral guide holes for optimum optical fiber alignment and low dB data loss performance. Robust anti-decoupling outperforms standard D38999 solutions in severe vibration, shock, and high altitude testing. Connector body materials include aluminum alloy, composite thermoplastic, stainless steel, and marine bronze. Keyed polarization for mis-mate protection.

SUPERNINE MT IN-LINE RECEPTACLE						
<b>Sample Part Number</b>	183-002	ME	05	-17-4	N	1
<b>Basic Part Number</b>	SuperNine MT Fiber Optic Connector					
<b>Material/Finish Code</b>	See Material and Finish table					
<b>Connector Style</b>	05 = In-line receptacle					
<b>Shell Size / Insert Arrangement</b>	11-1, 13-2, 15-3, 17-4 Order MT ferrule kit P/N 181-139					
<b>Alternate Key Position</b>	A, B, C, D, E, N = Normal U = Universal (per MIL-DTL-38999)					
<b>Insert Cavity</b>	1 = Standard position					
<b>Clocking Orientation</b> (see Table II)	2 = Cavity position rotated 45° to master key/keyway 3 = Cavity position rotated 90° to master key/keyway					

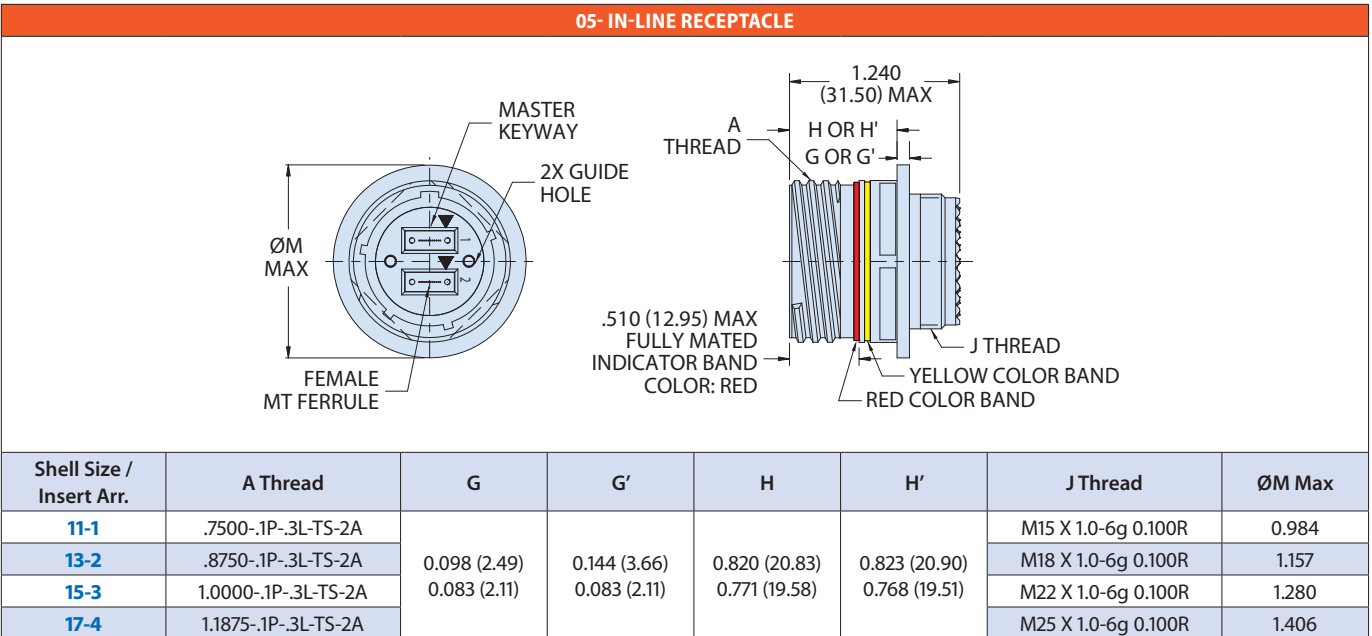
MATERIAL AND FINISH		
Code	Material	Finish Description
ME	Aluminum Alloy	Electroless Nickel
MT		Nickel-PTFE, Grey
NF		Cadmium, Olive Drab
ZR		Zinc-Nickel, Black
TZ		Tin-Zinc, Green/Gold
XM	Composite	Electroless Nickel
XW		Cadmium, Olive Drab
Z1	Stainless Steel	Passivate
ZL		Electro-Deposited Nickel

**NOTES**

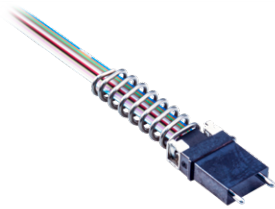
- Pin (male) and socket (female) ferrule kits can be used in either plug or receptacle connectors. Preferred configuration is female ferrule in receptacle connector.

INSERT CAVITY CLOCKING ORIENTATION				
Code	Shell Size-Arrangement 11-1	Shell Size-Arrangement 13-2	Shell Size-Arrangement 15-3	Shell Size-Arrangement 17-4
1				
2				
3				

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- MATERIAL/FINISH NOTES**
- Ferrule, Pin Spacer: Polyphenylene Sulfide Resin
  - Pin Clamp, Spring: Stainless Steel
  - Boot: TPE

**HOW TO ORDER ELITE MT FERRULE KIT**

<b>Sample Part Number</b>	<b>181-139</b>	<b>-126</b>	<b>-12</b>	<b>M</b>
<b>Basic Part Number</b>	Elite MT Ferrule kit			
<b>Fiber type</b>	<b>-126, -1253, -1253A</b> (See Fiber Type and Number table)			
<b>Number of Fibers</b>	<b>-12, -24</b> (See Fiber Type and Number table)			
<b>Ferrule Style</b>	<b>M</b> = Male (use with Plug) <b>F</b> = Female (use with Receptacle)			

**FIBER TYPE AND NUMBER**

Dash No.	Fiber Type	End Face	Fiber Size Core/Cladding	No. of Fibers	Spring Force	Ferrule Identification	Pin Clamp Identification (Male Kit only)
<b>-1253A</b>	SM	APC	9/125	<b>12</b>	L	M-ME12	2 Triangles
				<b>24</b>	H	M-ME24	2 Triangles
<b>-1253</b>	SM	PC	9/125	<b>12</b>	H	E-E12	2 Triangles
<b>-126</b>	MM	PC	50/125	<b>12</b>	H	M-ME12	1 Triangle
				<b>24</b>	H	M-ME24	1 Triangle