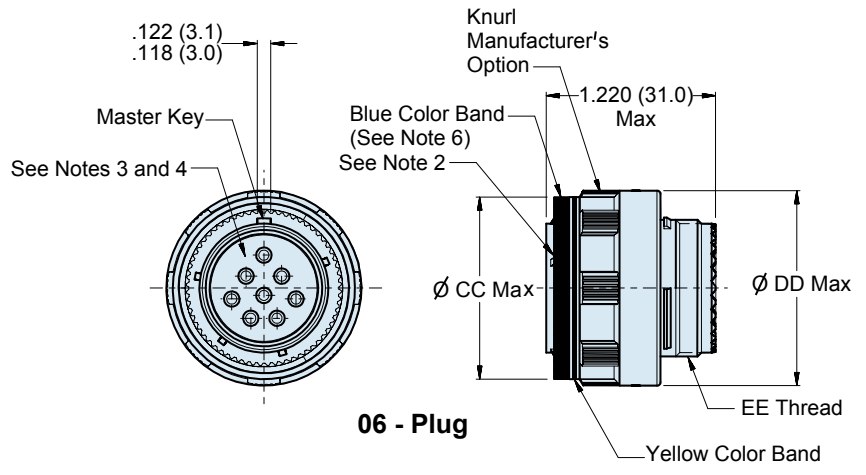
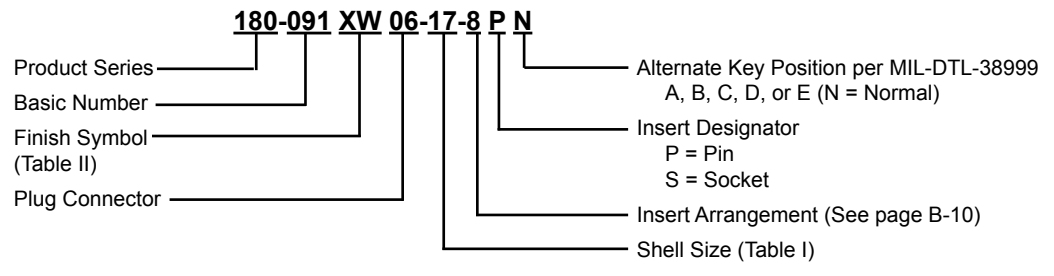




# 180-091 (06 Plug) Advanced Fiber Optic Plug Connector MIL-DTL-38999 Series III Style



## APPLICATION NOTES

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| <ol style="list-style-type: none"> <li>1. Material/ Finishes:<br/>Barrel, Coupling Nut - See Table II<br/>(Composite Coupling Nut - No Plating Required).<br/>Insulators- High Grade Rigid Dielectric/ N.A<br/>Seals- Fluorosilicone/ N.A.</li> <li>2. Assembly to be identified with Glenair's name, part number and date code space permitting.</li> <li>3. Insert arrangement in accordance with MIL-STD-1560,</li> </ol> | <p style="text-align: center;">See Page B-10.</p> <ol style="list-style-type: none"> <li>4. Insert arrangement shown is for reference only.</li> <li>5. Blue Color Band indicates rear release retention system.</li> <li>6. For appropriate Glenair Terminus part numbers see Glenair Drawing 181-001 and 181-002.</li> <li>7. Metric Dimensions (mm) are indicated in parentheses.</li> <li>8. "XO" finish composite connectors are supplied less RFI spring.</li> </ol> |
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**180-091 (06 Plug)**  
**Advanced Fiber Optic Plug Connector**  
**MIL-DTL-38999 Series III Style**



**TABLE I: SHELL SIZE**

Shell Size Code	Shell Size	CC Max Dia	DD Max Dia	EE Thread
B	11	.929 (23.6)	.984 (25.0)	M15 x 1.0-6g 0.100R
C	13	1.110 (28.2)	1.157 (29.4)	M18 x 1.0-6g 0.100R
D	15	1.232 (31.3)	1.280 (32.5)	M22 x 1.0-6g 0.100R
E	17	1.358 (34.5)	1.406 (35.7)	M25 x 1.0-6g 0.100R
F	19	1.469 (37.3)	1.516 (38.5)	M28 x 1.0-6g 0.100R
G	21	1.594 (40.5)	1.642 (41.7)	M31 x 1.0-6g 0.100R
H	23	1.720 (43.7)	1.768 (44.9)	M34 x 1.0-6g 0.100R
J	25	1.843 (46.8)	1.890 (48.0)	M37 x 1.0-6g 0.100R

**TABLE II: MATERIAL AND FINISH**

SYM	MATERIAL	FINISH DESCRIPTION
M*	Aluminum	Electroless Nickel
MT		Nickel - PTFE
NF		Cadmium, Olive Drab
ZNU		Zinc-Nickel, Black
XM*	Composite	Electroless Nickel
XMT		Nickel - PTFE
XO		No Plating
XW		Cadmium, Olive Drab
XZN		Zinc-Nickel, Black
MS	Stainless Steel	Electroless Nickel
ZL*		Electro-Deposited Nickel
Z1*		Passivate

\*RoHS Compliant

"XO" finish composite plug connectors are supplied less RFI spring.