

SUPERNINE MIL-DTL-38999 SERIES III TYPE ARINC 801 Optical Termini and Connectors



180-159 (06) Plug / (G6) Plug with EMI/RFI/Ground Spring

ARINC 801



Tight-tolerance MIL-DTL-38999 Series III type Cable Plug. Compatible with Size 16 snap-in, rear-release ARINC 801 genderless termini (Glenair series 181-076). Plug with EMI/RFI/ground spring (G6) is available. Alignment Sleeve Retainer (ASR) facilitates optimum optical fiber alignment, low dB data loss performance, and is removable for easy inspection and maintenance. Robust anti-decoupling mechanism and environmental sealing for use in high vibration, shock, and high altitude aerospace and military/defense applications. Coupling nut and connector body materials include Aluminum alloy, composite thermoplastic, stainless steel, and marine bronze. Keyed polarization for mis-mate protection. Available insert arrangements support from two to 32 singlemode and multimode termini.

MATERIAL/FINISH

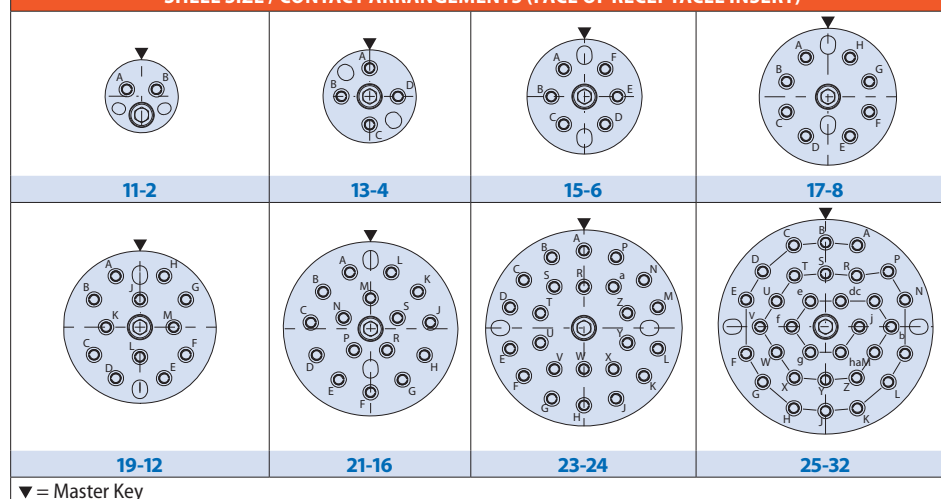
- Coupling nut for composite connector: High-grade rigid dielectric
- Inserts and ASR: Al Alloy / Anodize
- Inserts for composite connector: Composite or Al Alloy – MFR's Option
- Alignment Sleeves: Zirconia ceramic
- Seals: Fluorosilicone
- EMI/RFI/Ground Spring (G6 configuration): BeCu Copper Alloy / Nickel
- Hardware: Stainless steel / passivate

MATERIAL AND FINISH		
Code	Material	Finish Description
ME	Aluminum Alloy	Electroless Nickel
MT		Nickel-PTFE, Gray
NF		Cadmium, Olive Drab
TZ		Tin-Zinc, Bronze-Gold
ZN		Zinc-Nickel, Olive Drab
ZR	Zinc-Nickel, Black (RoHS)	
XM	Composite	Electroless Nickel
XMT		Nickel - PTFE, Grey
XW		Cadmium, Olive Drab
XZN		Zinc-Nickel, Black
MS	Stainless Steel	Electroless Nickel
ZL		Electro-Deposited Nickel
ZI		Passivate
AB	Marine Bronze	No Plating

HOW TO ORDER

Sample Part Number	180-159	NF	06	-17-8	N
Fiber Optic connector	ARINC 801, MIL-DTL-38999 Series III Type				
Material/Finish Code	See table				
Connector Style, Plug	06 = Plug (standard) G6 = Plug with EMI/RFI/Ground Spring				
Shell Size - Insert Arrangement	See table				
Alternate Key Position	per MIL-DTL-38999 Series III. A, B, C, D, E, N = Normal, omit for universal key				

SHELL SIZE / CONTACT ARRANGEMENTS (FACE OF RECEPTACLE INSERT)



NOTES

- Universal connectors are intended for use in testing facilities only and should be highly evaluated before consideration in another environment.
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- Plug connector with universal polarization contains master key only.
- For dummy terminus, see Glenair 181-128.
- Insert/extraction tool: 809-131 (M81969/14-03).

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