

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



180-159 (05) In-Line Receptacle

ARINC 801



Tight-tolerance MIL-DTL-38999 Series III type In-Line Receptacles. Compatible with Size 16 snap-in, rear-release ARINC 801 genderless termini (Glenair series 181-076). Precision-manufactured insert ensures optimum optical fiber alignment and low dB data loss performance. Triple-start stub ACME threads are for fast mating. The ARINC 801 fiber optic system leverages D38999 mechanical and environmental design elements including mating interface, accessory attachment interface, ratcheting coupling nut, polarization keyways, O-ring seals, panel cutouts, and more. Connector shell materials include aluminum alloy, composite thermoplastic, stainless steel, and marine bronze. Keyed polarization for mis-mate protection. Available insert arrangements support from two to thirty-two singlemode and multimode termini.

MATERIAL/FINISH

- Inserts: Al Alloy / Anodize
- Inserts for composite connector: Composite or Al Alloy – MFR's Option
- Seals: Fluorosilicone
- Hardware: Stainless steel / passivate

HOW TO ORDER

Sample Part Number	180-159	NF	05	-17-8	N
Fiber Optic connector	ARINC 801, MIL-DTL-38999 Series III Type				
Material/Finish Code	See Material and Finish table				
Connector Style, Receptacles	05 = In-Line Receptacle				
Shell Size - Insert Arrangement	See Shell Size / Contact Arrangements 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)

11-2	13-4	15-6	17-8
19-12	21-16	23-24	25-32

▼ = Master Key

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	De-Grease / No Plating

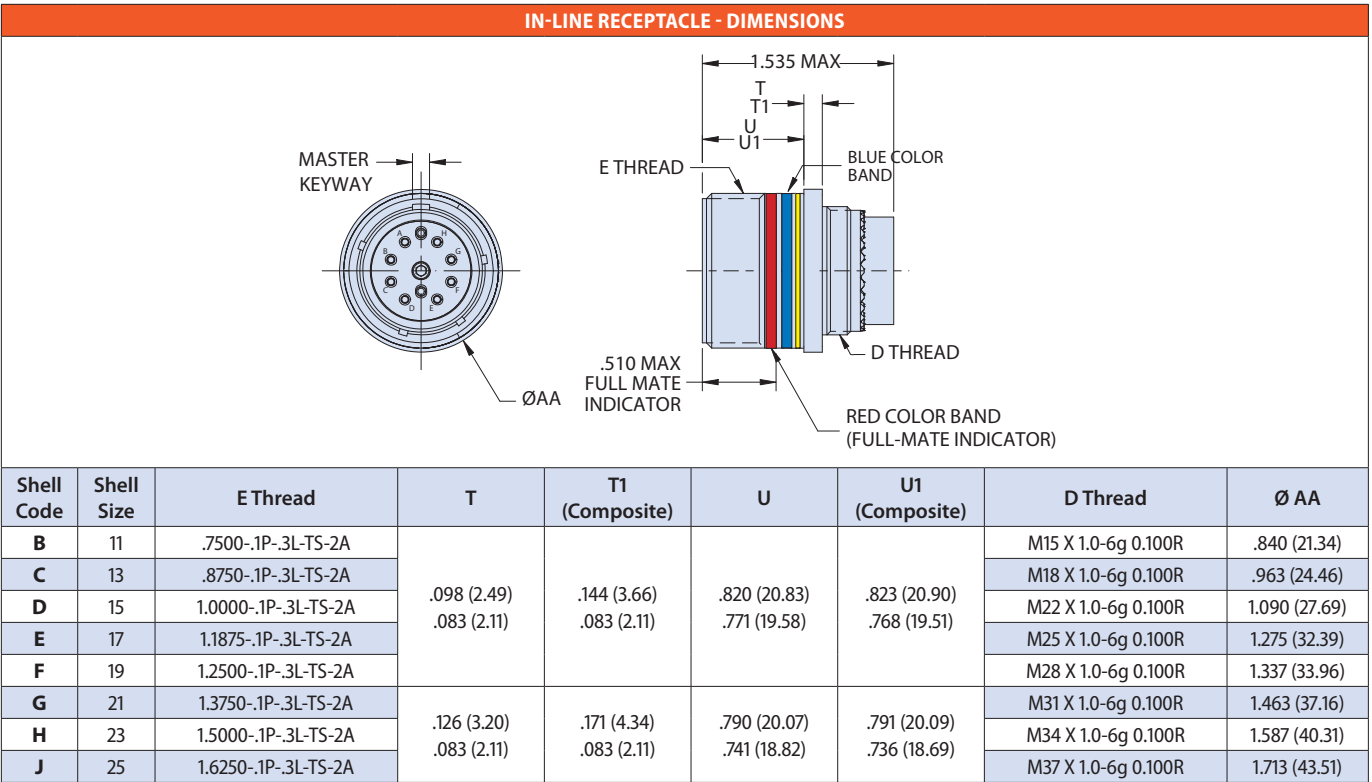
NOTES

- Universal connectors are intended for use in testing facilities only and should be highly evaluated before consideration in another environment.
- Receptacle connector with universal key polarization contains all key way polarizations (A, B, C, D, E, N) which may have overlap in adjacent minor key ways.
- 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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