

180-071 (-6) Plug Single Channel Fiber Optic Connector Environmental Resistant for 181-001 Rear-Release Socket Termini

SuperNine® MIL-DTL-38999 Type



MATERIAL AND FINISH

- O-Ring, Rear Grommet: Fluorosilicone
- Retention Clip: BeCu Alloy

NOTES

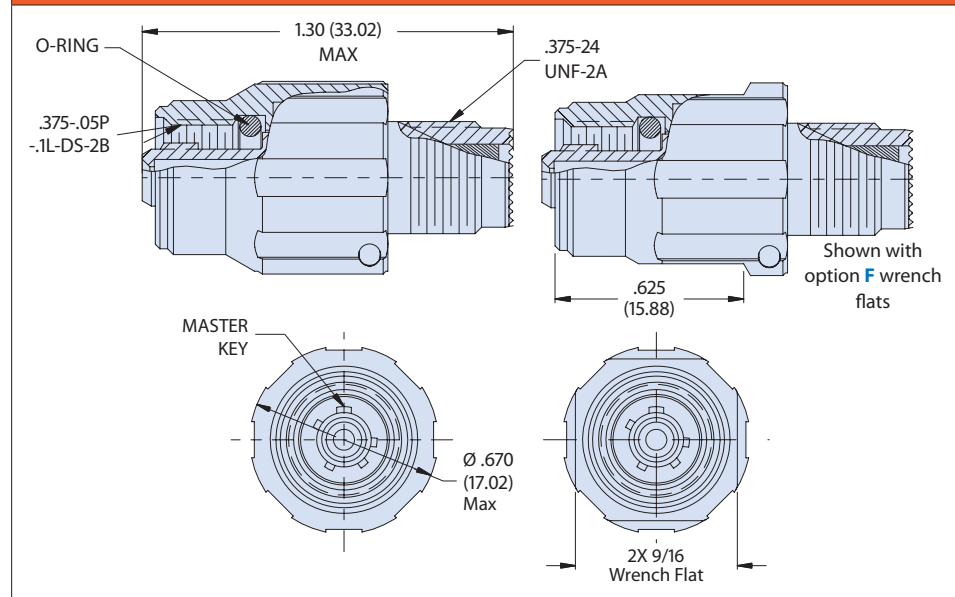
- Operating temperature range -55°C to +125°C.
- See Glenair drawing 181-001 for fiber optic socket terminus.
- Recommended Insertion/Extraction tool: P/N M81969/14-03 or equivalent

Tight-tolerance 180-071 single-channel fiber optic plug connectors are compatible with Size 16 snap-in, rear-release MIL-PRF-29504 socket termini (Glenair Series 181-001). Ultra miniature shell is precision-machined for optimum optical fiber alignment and low dB data loss performance. Backshell accessory threads support the wide range of Glenair fiber optic cable and conduit adapters. Keyed mating interface with five alternate polarizations protects against mis-mating.

HOW TO ORDER

Sample Part Number	180-071	-C	6	1	-F
Basic Number	Single channel fiber optic connector				
Material/Finish	See Material and Finish table				
Plug	6				
Alternate Key Position	1, 2, 3, 4 & 5 (See Keyway Polarizations table)				
Coupling Nut with Wrench Flats	Omit for None (Standard)				

- 6 PLUG ASSEMBLY



MATERIAL AND FINISH

Code	Material	Finish
C	Aluminum Alloy	Anodize, Black
M*		Electroless Nickel
ME		Electroless Nickel
MT		Nickel-PTFE, Gray
NF		Cadmium, Olive Drab, over Electroless Nickel
TZ		Tin-Zinc, Bronze-Gold
ZN		Zinc-Nickel, Olive Drab, over Electroless Nickel
ZR		Zinc-Nickel, Black
ZN	Stainless Steel	Zinc-Nickel, Olive Drab
ZI		Passivate
ZL		Electro-Deposited Nickel

*Inactive for new design. Use "ME" finish.

KEY POLARIZATIONS

The diagram illustrates a circular keyway with five positions labeled A°, B°, C°, D°, and E°. The keyway is shown in blue. The positions are marked by dashed lines and arrows. The positions are labeled A°, B°, C°, D°, and E°.

Pos	A°	B°	C°	D°
1	95	141	208	300
2	80	141	208	300
3	95	141	223	300
4	80	141	223	300
5	95	141	208	275