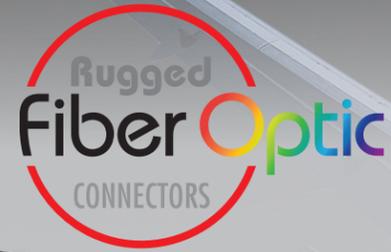


Commercial
AEROSPACE



Series 806 Mil-Aero



Series 806 Mil-Aero is a Glenair Signature solution designed for advanced fiber optic performance in a reduced size- and weight package. Designed from the ground up to meet the requirements of aircraft engine and SWAMP (Severe Wind And Moisture Problem) areas, Series 806 incorporates features to withstand the harsh vibration, shock, pressure, and temperature challenges of modern aircraft applications. This innovative connector design meets key performance benchmarks in rigid conformance with MIL-DTL-38999 Series III—at nearly half the size and weight.

- DYNAMIC VIBRATION AND SHOCK RESISTANCE
- EXTREME TEMPERATURE RESISTANCE
- ENVIRONMENTALLY SEALED
- PRESSURIZED AND NON-PRESSURIZED ZONES
- CORROSION-RESISTANCE
- FLAMMABILITY, TOXICITY, LOW-SMOKE
- INDIRECT LIGHTNING STRIKE
- EASE-OF-MAINTENANCE
- UNCOMPROMISED RELIABILITY

SAVE SIZE AND WEIGHT WITH SERIES 806 MIL-AERO CONNECTORS



Series 806 Mil-Aero smallest shell (size 8)
.500 in. mating threads
3 #20 electrical or optical contacts / termini

MIL-DTL-38999 smallest shell (size 11)
.750 in. mating threads
2 #16 electrical or optical contacts / termini



SERIES 806 MIL-AERO FIBER OPTIC SHELL STYLE SELECTION GUIDE



Series 806 Plug available with metric accessory threads or Nano banding platform
P/N 806-012



Series 806 In-Line Receptacle available with metric accessory threads or Nano banding platform
P/N 806-019



Series 806 Square-Flange Receptacle available with metric accessory threads or Nano banding platform
P/N 806-013



Series 806 Jam Nut Receptacle available with metric accessory threads or Nano banding platform
P/N 806-020

#20HD FIBER OPTIC TERMINI FOR SERIES 806 MIL-AERO CONNECTORS



Single or multimode. Ceramic ferrule. 0.5 dB loss. Size 20HD fiber optic termini are compatible with Series 806 connectors with size 20HD contact arrangements. These snap-in, rear release termini feature precision ceramic ferrules and alignment sleeves for accurate fiber alignment. Typical insertion loss 0.5 dB. Fits 50/125 and 62.5/125 multimode and 9/125 singlemode fiber.

How-To-Order #20HD Fiber Optic Termini for Series 806 Connectors

Termini Type	Optical Fiber Type	Part Number	ØA Ferrule Hole	Fiber Size Core/Cladding
Pin	Singlemode	181-134-1255	125.5 microns	9/125
Pin	Multimode	181-134-126	126.0 microns	50/125, 62.5/125
Socket	Singlemode	181-135-1255	125.5 microns	9/125
Socket	Multimode	181-135-126	126.0 microns	50/125, 62.5/125



The O-ring peripheral seal not only provides an excellent moisture seal, but also a mechanical and electrical benefit. Because the O-ring displaces radially, it allows full metal-to-metal bottoming without the use of tightening tools. This feature, combined with the shallow ramp threads, results in secure, vibration-resistant coupling by hand, no tool required. Metal-to-metal bottoming is essential for long-term mechanical survivability, EMI, and shell-to-shell conductivity.

ALSO-AVAILABLE INDUSTRY-STANDARD TECHNOLOGY: Ultra-Low dB Loss ARINC 801 Fiber Optics



- Genderless terminus design eliminates pin and socket complexity
- Rear-release size #16 termini
- Singlemode and multimode
- Mechanical and environmental performance IAW ARINC 801 standards
- Sav-Con Connector Savers available