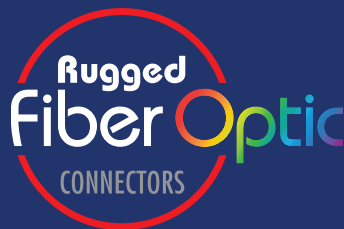


OPTIMIZED
FOR USE WITH
FIBER KING
FIBER OPTIC CABLES



Series 806 Mil-Aero:
Micro D38999 type
packaging, high-density
size #20HD termini



Series 806 Mil-Aero fiber optic solutions available as discrete components or in turnkey cable assembly packaging

Innovative fiber optic / electrical connector design meets key performance benchmarks for harsh vibration, shock, and environmental settings in rigid conformance with MIL-DTL-38999 Series III—but at nearly half the size and weight.

SAVE SIZE AND WEIGHT WITH SERIES 806 CONNECTORS

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



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

- Next-generation small form factor aerospace-grade circular connector
- High density 20HD fiber termini arrangements
- Designed for harsh application environments such as military and commercial aircraft
- Outstanding environmental, electrical, optical, and mechanical performance
- Integrated anti-decoupling technology
- High-performance ceramic ferrule rear-release termini design

MICRO D38999-TYPE Fiber Optic Connection System: Sr. 806 Mil-Aero



Aerospace-grade connectors · #20HD termini
Turnkey integrated cable assemblies

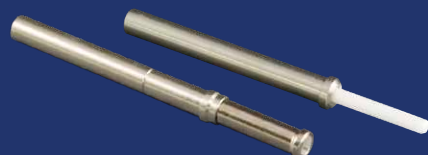
Glenair manufactures and supplies mil-qualified termini for use in MIL-DTL-38999 Series III type connectors including Glenair SuperNine, ARINC 801, and Glenair High Density (GHD). The Series 806 Mil-Aero is our highest density connector series built IAW D38999 Series III specifications—including vibration, shock, and high-altitude immersion. In fact, the Series 806 conforms to every MIL-DTL-38999 Series III standard requirement, but does so in a micro miniature reduced size and weight format, which now includes fiber optic configurations with size 20HD pin and socket termini. These ultra high density fiber optic termini are snap-in, rear release designs featuring 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. Connectors are available with accessory thread or band shield termination porch for easy termination of optical media Kevlar strength member or EMI shielding (hybrid applications).

SERIES 806 ARRANGEMENTS COMPATIBLE WITH #20HD FIBER OPTIC TERMINI						
Mating face of pin connector. Socket numbering is reversed.						
Symbol ▼ indicates master key location.						
Arrangement No.	8-3	9-5	10-8	11-10	12-15	14-20
No. of Termini	3	5	8	10	15	20
						16-31
						31

PLUG AND RECEPTACLES AVAILABLE WITH ACCESSORY THREADS OR SHIELD TERMINATION PORCH



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.

MATERIAL/FINISH
Ferrule, alignment sleeve: zirconia ceramic
Body, shroud: copper/nickel/zinc alloy
Spring (socket, not shown): SST/passivated
Protective cover (socket): BeCu alloy/nickel plated

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

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