

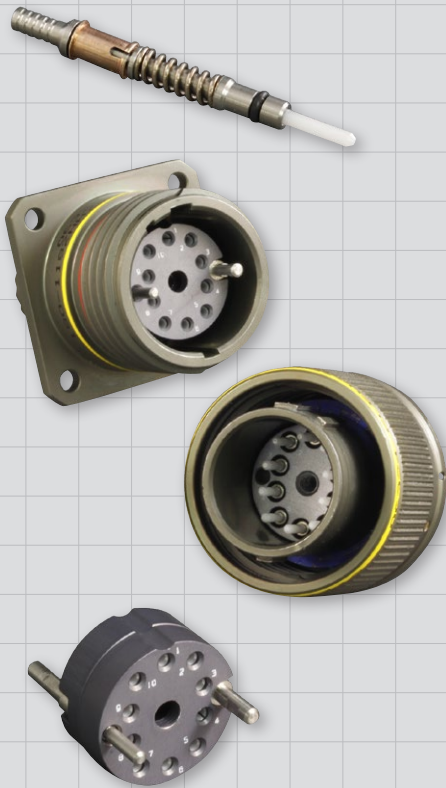
**Next Generation Fiber Optic Connection System  
MIL-PRF-64266 (NGCON)  
General Information**



MIL-PRF-64266  
(NGCON)

***Genderless contacts, precision optics, and high-density packaging: the next-generation in air and sea fiber optics is just around the corner***

The Glenair Next Generation MIL-PRF-64266 (NGCON) fiber optic connection system is a high-performance solution for air, sea, and space applications. Developed by the NGCON design consortium, the system combines proven technology from standard MIL-PRF-28876 and MIL-DTL-38999 Series III designs with new innovations including rear-release genderless contacts, high-density packaging, and a removable alignment sleeve retainer (ASR).



Product No.	Description	Page No.
<b>NGCON Fiber Optic Termini</b>		
<b>181-043</b>	Genderless Rear-Release Terminus	H-2
<b>NGCON Fiber Optic Connectors</b>		
<b>180-118 (06)</b>	Plug Connector	H-4
<b>180-118 (H7)</b>	Square Flange Wall Mount Receptacle	H-5
<b>180-118 (08)</b>	Jam Nut Mount Receptacle	H-6
<b>180-118ASR</b>	Alignment Sleeve Retainer (ASR)	H-7

- **Conforms to MIL-PRF-64266 (NGCON) military standard.**
- **Multimode and singlemode capable**
- **Removable alignment sleeve retainer (ASR) for easy maintenance**
- **Plug, wall mount receptacle and jam nut mount receptacle configurations**
- **Rear release precision genderless termini, designed in accordance with MIL-PRF-29504/18, /19, and /20.**
- **1.25 mm diameter ceramic ferrules and alignment sleeves**
- **Environmental o-ring sealing on terminus**
- **Various connector material/finish options available.**
- **M28876 Double-start ACME mating threads, D38999 Series III style rear accessory threads.**
- **Receptacles compatible with M28876 panel cutouts**
- **Anti-decoupling (ratchet) mechanism on plug connector.**
- **Keyed connectors and termini available for singlemode APC.**



**Catalog Notes**

Metric dimensions appear in parentheses in diagrams and tables, based on 1 inch = 25.4 mm, for reference only. Unless otherwise specified, the following other dimensional tolerances apply:  
.xx = ±.03 (0.8) • .xxx = ±.015 (0.4) • Angles = ± 5°