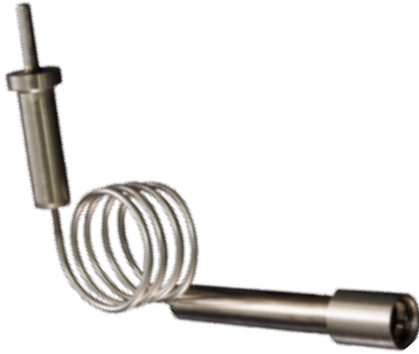


**831-001**  
**GT Gas Tube Assemblies**  
 for MIL-DTL-38999 Series I, III and IV Connectors



**High-Pressure Assemblies for Pure Gas Pneumatic/Cryogenic Applications**



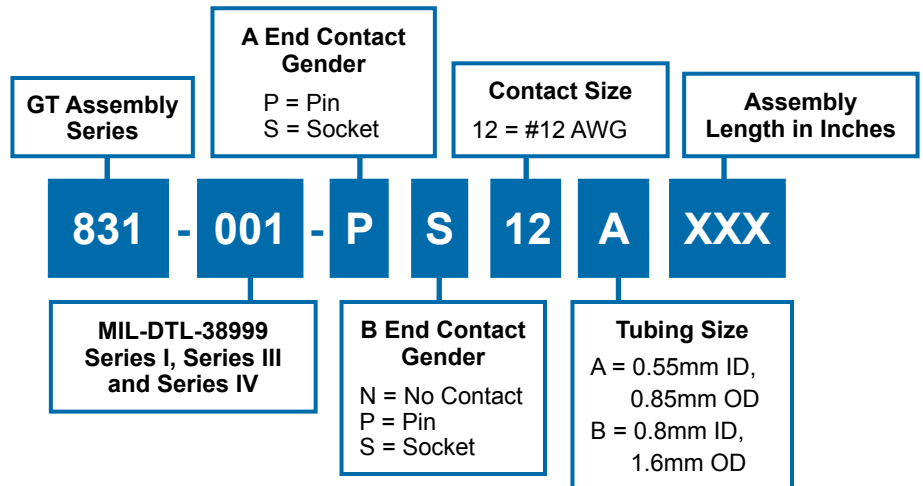
831-001 #12 Assembly  
 for MIL-DTL-38999 Series I, III, and IV

Series 831 GT assemblies provide passage of nitrogen and other pure, pressurized gases through standard MIL-DTL-38999 Series I, III and IV connectors. These snap-in, rear-release assemblies feature precision stainless steel gas contacts brazed to semi-rigid stainless steel tubing. The assemblies are fabricated using a flux-free brazing process and are ultrasonically cleaned and packaged in a sealed, dust-free environment. Available in #12 AWG gas contacts, these assemblies are supplied with two different tubing sizes, and may be ordered in single ended or pin-to-pin, pin-to-socket and socket-to-socket configurations. Consult factory for available off-the-shelf lengths or use the part number to specify a made-to-order length.

#12 assembly for MIL-DTL-38999 Series I, Series III and Series IV environmental connectors. Use part number development to specify gender, assembly length and tubing type.

**Glenair GT Gas Tube Connectors Perform to MIL-DTL-38999**

- **Flow Rate**  
 Typical Flow Rate is 5 liters per minute (lpm) @ 150 PSI.
- **Thermal Shock**  
 After cycling the connector between -65°C +175°C, gas contacts will meet all applicable mechanical requirements.
- **Durability**  
 No mechanical defects after 500 cycles of engagement and disengagement.
- **Physical Shock**  
 No loosening of parts, cracking or other deleterious results hindering further part operation after 300 G's in each of 3 mutually perpendicular planes.
- **High Impact Shock**  
 Mated connectors will withstand high impact shock per MIL-S-901.
- **Vibration**  
 No disengagement of mated contacts, backing off of the coupling mechanism, evidence of cracking, breaking or loosening of parts.



**Example Part Number: 831-001-PS12A024**

**Material and Finish**

Contact Body: Passivated Stainless Steel  
 Internal O-Ring (Socket): High-Pressure Rated Elastomer  
 Internal Washer (Socket): Temperature and Chemically Resistant Polymer  
 Particle Filter (Socket): Stainless Steel  
 Brazing Material: Silver Alloy  
 Tubing: Stainless Steel

\* Please consult the Glenair factory for made-to-order GT gas contacts, hermetics, mixed contact AWG assemblies, point-to-point tubing assemblies with unique route and bend requirements as well as integrated cable harnesses that combine our GT tubing and gas contacts with standard electrical and/or fiber optic media.

Dimensions in inches (millimeters) and are subject to change without notice.