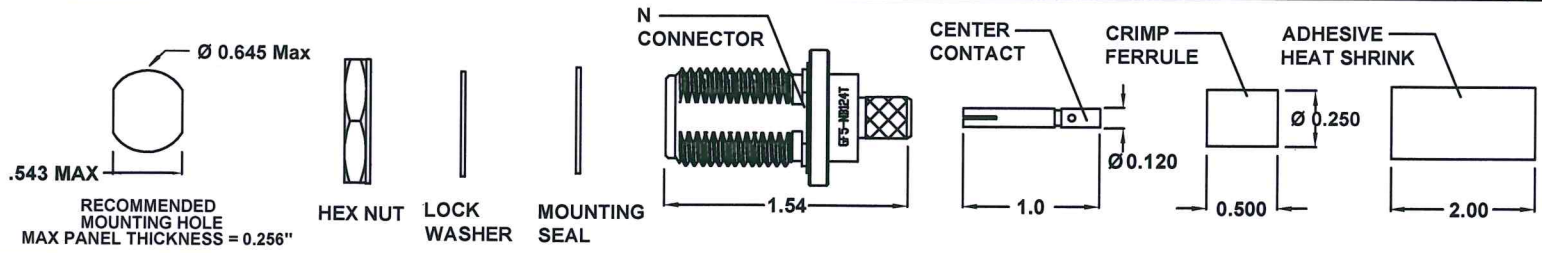


GF5-NB124T is a drop in replacement for Carlisle's BN3722 and is suitable alternative to PIC's 190122

| REVISIONS | | | | | |
|-----------|----------|-------|---|------------|---------|
| ECN | REVISION | ZONE | DESCRIPTION OF CHANGE | APPROVED | DATE |
| 125 | NR | - | INITIAL RELEASE | CAC | 6/24/19 |
| 166 | A | D6/B6 | ADDED NOTE, FERRULE FINISH ADDED ALBALOY Tri-M3 | <i>CMK</i> | 9-26-19 |



1.0 PERFORMANCE

- 1.1 Frequency range: DC - 11 GHz
- 1.2 Nominal impedance: 50 Ohms
- 1.3 VSWR: 1.2:1 Max DC - 2 GHz
- 1.4 Insertion loss: .1dB Max DC - 2 GHz
- 1.5 Working voltage: 500Vrms @ sea level
- 1.6 DWV: 1500Vrms @ sea level
- 1.7 Insulation resistance: 5000 Megaohms @ 500 volts DC

2.0 *MATERIALS

- 2.1 Body: Brass per ASTM-B-16
- 2.2 Nut, Washer: Brass per ASTM-B-16
- 2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR. 1, CLA
- 2.4 Contact: BeCu per ASTM-B-196
- 2.5 Ferrule: Brass per ASTM-B-16
- 2.6 Gasket: Silicone rubber per ZZ-R-765 GR 50, Red
- 2.7 Heat shrink: ATUM PER MIL-I-23053/4, Class 3

3.0 FINISHES

- 3.1 Body, Outer contact, Coupling nut: Nickel per QQ-N-290
- 3.2 Ferrule: Nickel per QQ-N-290 or Albaloy (Tri-M3)
- 3.3 Contact: Gold per MIL-PRF-39012

4.0 MECHANICAL

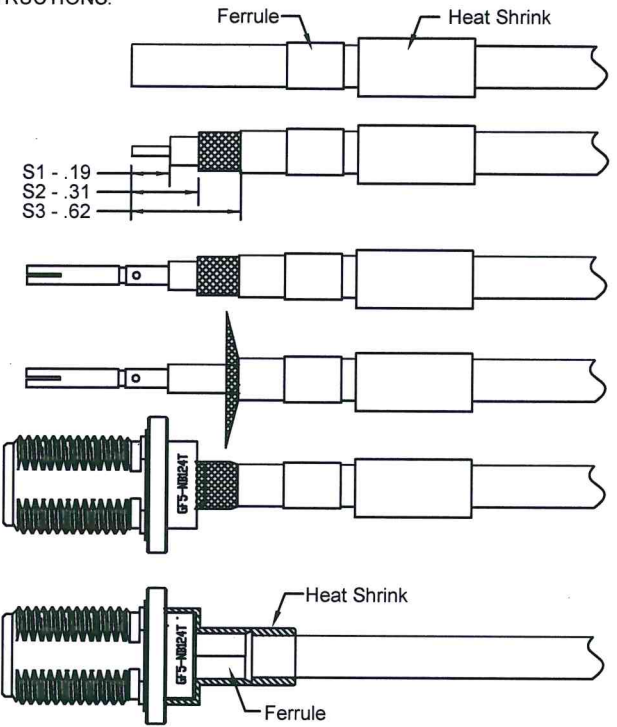
- 4.1 Interfaces: MIL-STD-348 figure 304-2
- 4.2 Termination style: Cable contact-solder or crimp, Crimp ferrule
- 4.3 Cable retention: 30 LBS

5.0 ENVIRONMENTAL

- 5.1 Temperature range: -65/+165 °C
- 5.2 Vibration: MIL-STD-202, Method 204, COND B
- 5.3 Shock: MIL-STD-202, Method 213, COND I
- 5.4 Thermal shock: MIL-STD-202, Method 107, COND B
- 5.5 Corrosion: MIL-STD-202, Method 101, COND. B
- 5.6 Moisture resistance: MIL-STD-202, Method 106

TERMINATION INSTRUCTIONS:

- 1) Slide heat shrink and ferrule over end of cable prior to stripping cable. Ensure cable end is cut square.
- 2) When using automated stripping equipment, strip cable to dimensions shown. If automated stripping equipment is not available strip S1 and S3 only and trim excess shield at step 5. Care should be taken not to nick the center conductor and shield.
- 3) Install contact onto cable conductor flush with dielectric. Contact can be crimped or soldered. When crimping use M22520/5-57 or Y209P die (0.100 B hex) with hand tool M22520/5-01 or equivalent.
- 4) Fold all shields back perpendicular to cable using a tweezers. You may need to slit the aluminum foil before folding back.
- 5) Slide the connector onto the cable until the contact snaps into the dielectric lock of the connector. Fold all shields back over the end of the connector.
- 6) Slide the ferrule over the shield until it is against the connector body. Trim any excess shield. Crimp the ferrule using M22520/5-57 or Y209P die (0.213 hex) with hand tool M22520/5-01 or equivalent. After crimping ferrule apply adhesive heat shrink.



*RoHS/REACH Compliant

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES.
ALL DIMENSIONS ARE FOR REFERENCE ONLY.

| | | | | | |
|--|------------------|--------------------------|--|---------------------------|--------------------|
| DESIGNED BY: C CHAPMAN | DATE: 6/20/19 | CHECKED BY: K KRUEGER | DATE: 6/24/19 | APPROVED BY: C CHAPMAN | DATE: 6/24/2019 |
| | | | DESCRIPTION: N BULKHEAD JACK FOR GIGAFLIGHT CABLE GF5-124T | | |
| 6180 Industrial Ct. Greendale WI, 53129 Tel: 414-488-6320 Fax: 414-433-9041 | | CAGE CODE: 8A8D5 | PART NUMBER: GF5-NB124T | SHEET: 1 OF 1 | |