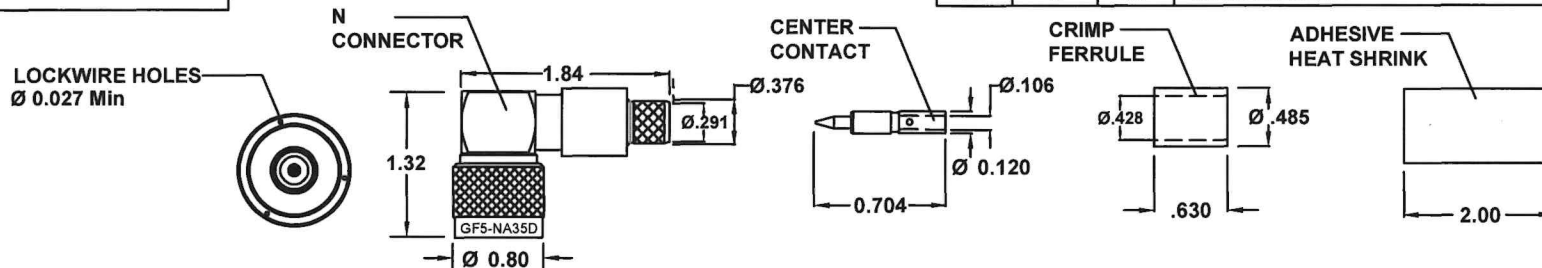


GF5-NA35D is a suitable alternative to PIC's 190511

REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
771	NR	-	INITIAL RELEASE	CC	9-6-2023
869	A	FD	ADDED DIMENSIONS	CC	2-22-24



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 Contact: Brass per ASTM-B-16
- 2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR.1, CLA
- 2.4 Outer contact: Brass per ASTM-B-16
- 2.5 Ferrule: Copper, CDA-122
- 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

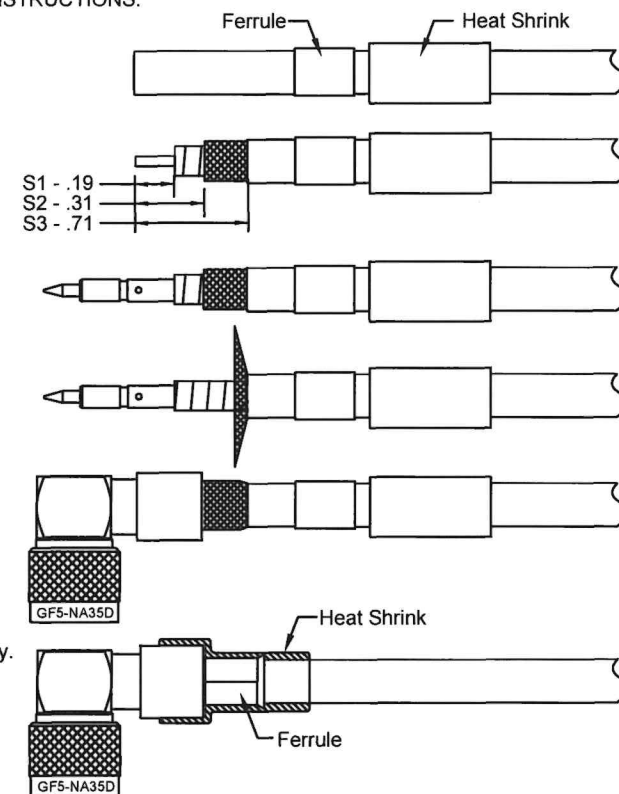
- 4.1 Interfaces: MIL-STD-348 figure 304-1
- 4.2 Termination style: Cable contact-solder or crimp, Crimp ferrule
- 4.3 Cable retention: 50 LBS

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) Solder the contact onto the cable conductor using 63Sn/37Pb solder. Ensure the contact is butted against the cable dielectric.
- 4) Fold all shields back perpendicular to cable using a tweezers. You may need to slit the 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 M22520/5-25 (0.429 hex) with hand tool M22520/5-01 or equivalent. Crimp the ferrule a second time over the full length of the ferrule. After crimping ferrule apply adhesive heat shrink.



DESIGNED BY: C CHAPMAN	DATE: 9/5/2023	CHECKED BY: M. FREGOSO	DATE: 9/6/2023	APPROVED BY: C CHAPMAN	DATE: 9/6/2023
DESCRIPTION: N RIGHT ANGLE PLUG FOR GIGAFLIGHT CABLE GF5-35D					
CAGE CODE: 8A8D5	PART NUMBER: GF5-NA35D		SHEET: 1 OF 1		

*RoHS/REACH Compliant

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