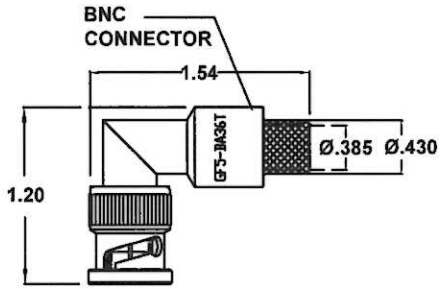
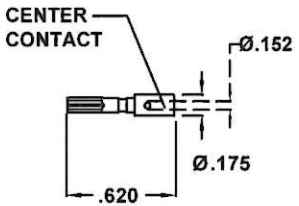
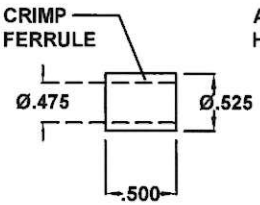
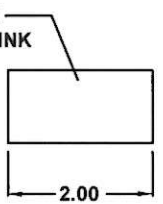
GF5-BA36T is a suitable alternative to PIC's 190413 and Carlisle CBR022

REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
959	NR	-	INITIAL RELEASE	CC	6-11-24









1.0 PERFORMANCE

1.1 Frequency range: DC - 4 GHz
1.2 Nominal impedance: 50 Ohms
1.3 VSWR: 1.2:1 Max DC - 2 GHz
1.4 Insertion loss: 0.2 dB 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: BeCu per ASTM-B-196
2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR.1, CLA
2.4 Outer contact: BeCu per ASTM-B-196
2.5 Ferrule: Brass per ASTM-B-16 or 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-crimp or solder, 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

*RoHS/REACH Compliant

TERMINATION INSTRUCTIONS:

1) Slide heat shrink and ferrule over end of cable prior to stripping cable. Ensure cable end is cut square.

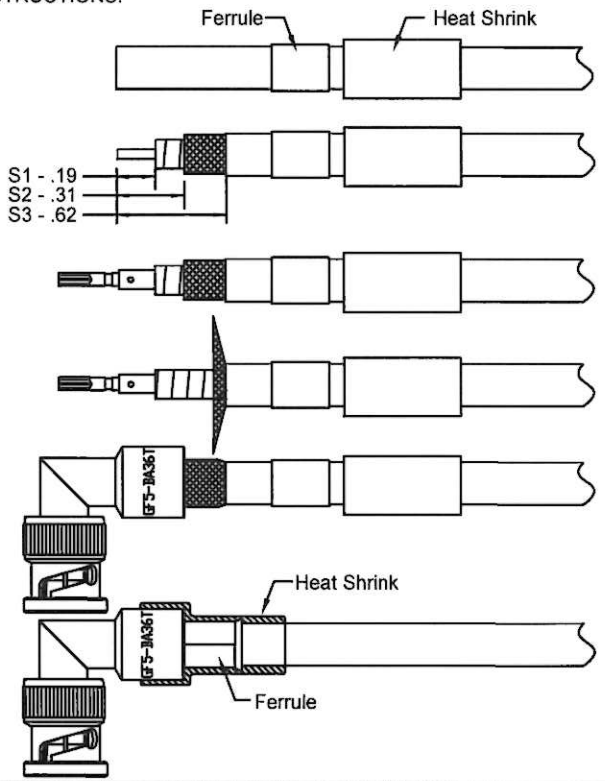
2) When using automated stripping equipment, strip cable to dimensions shown. If automated stripping equipment is not available strip S1 and S3 only and trim excess shield at step 5. Care should be taken not to nick the center conductor and shield.

3) Install contact onto cable conductor flush with dielectric. Contact can be crimped or soldered. When crimping use Y1757 die (0.151 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 M22520/5-21 (0.475 hex) with hand tool M22520/5-01 or equivalent. After crimping ferrule apply adhesive heat shrink.



DESIGNED BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:
T FORST	6/11/2024	M. Fregoso	6/12/2024	C Chapman	6-11-24

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

GIGAFLIGHT CONNECTIVITY INC.
6180 Industrial Ct. Greendale WI, 53129
Tel: 414-488-6320 Fax: 414-433-9041

DESCRIPTION: BNC RIGHT ANGLE PLUG FOR GIGAFLIGHT CABLE GF5-36T

CAGE CODE:	PART NUMBER:	SHEET:
8A8D5	GF5-BA36T	1 OF 1