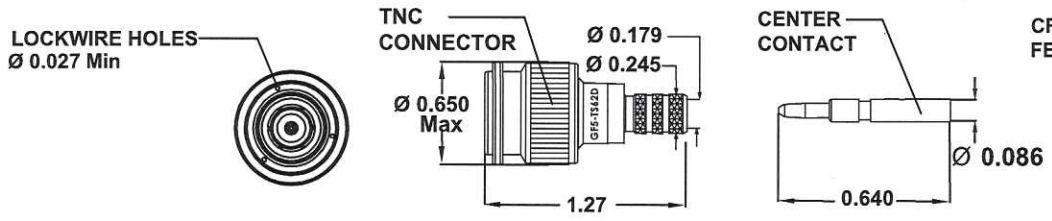
**GF5-TS62D is a suitable replacement for PIC's 150508**

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| ECN | REVISION | ZONE | DESCRIPTION OF CHANGE | APPROVED | DATE |
| 1343 | NR | - | INITIAL RELEASE | CC | 4-20-26 |




1.0 PERFORMANCE

1.1 Frequency range: DC - 12 GHz
1.2 Nominal impedance: 50 Ohms
1.3 VSWR: 1.3:1 Max DC - 12 GHz
1.4 Insertion loss: .2dB Max DC - 12 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: BeCu per ASTM-B-196
2.5 Ferrule: DHP Copper per ASTM-B-75
2.6 Gasket: Silicone rubber per A-A-59588, Class 2B, Grade 60/70
2.7 Heat shrink: ATUM PER MIL-I-23053/4, Class 3

3.0 FINISHES

3.1 Body, Outer contact, Coupling Nut: Brass per ASTM-B16 Alloy C36000
3.2 Ferrule: Albaloy (Tri-M3)
3.3 Contact: Gold per MIL-PRF-39012

4.0 MECHANICAL

4.1 Interfaces: MIL-STD-348 figure 313-1
4.2 Termination style: Cable contact-solder, 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.

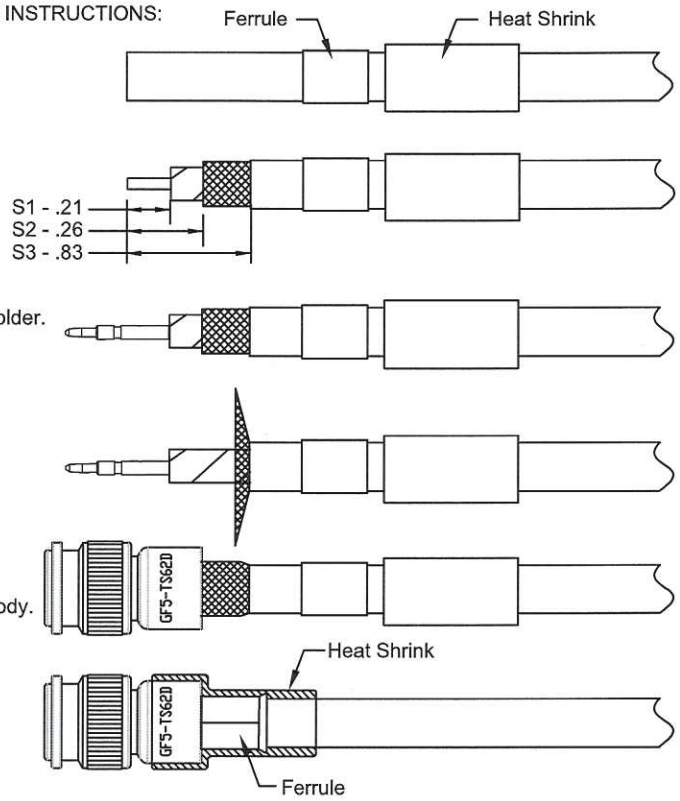
2) When using automated stripping equipment, strip cable to dimensions shown. If automated stripping equipment is not available strip S1 and S3 only and trim excess shield at step 5. Care should be taken not to nick the center conductor and shield.

3) 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 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 : .290 HEX: M22520/5-41 DIE, A HEX 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: | DATE: | CHECKED BY: | DATE: | APPROVED BY: | DATE: |
|---|---|---|---|---|---|
| S. Kahloon | 11/21/2025 | M. Fregoso | 4/20/2026 | C Chapman | 4-20-2026 |

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

DESCRIPTION: TNC STRAIGHT PLUG FOR GIGAFLIGHT CABLE GF5-UL62D

| CAGE CODE: | PART NUMBER: | SHEET: |
|---|---|---|
| 8A8D5 | GF5-TS62D | 1 OF 1 |