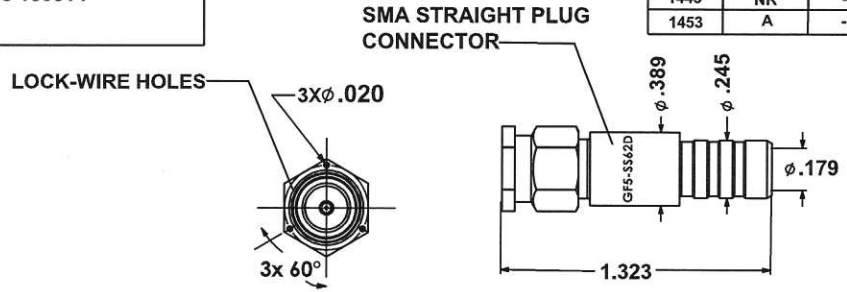
GF5-SS62D is a suitable alternative to PIC's 150514

REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
1445	NR	-	INITIAL RELEASE	CC	9-15-2026
1453	A	-	UPDATED DIMENSIONS OF BODY, CENTER CONTACT	CC	9-30-26



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: .1dB Max DC - 12 GHz
1.5 Working voltage: 335Vrms @ sea level
1.6 DWV: 750Vrms @ sea level
1.7 Insulation resistance: 5000 Megaohms @ 500 volts DC

2.0 *MATERIALS

2.1 Body: Stainless Steel 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-16
2.6 Gasket: Silicone rubber per ZZ-R-765 GR 50
2.7 Heat shrink: ATUM PER MIL-I-23053/4, Class 3
2.8 Coupling Nut: Stainless Steel per ASTM-B-16
2.9 Lock Ring BeCu per ASTM-B-196

3.0 FINISHES

3.1 Body, Coupling Nut: Passivate per ASTM-B16
3.2 Ferrule: Albaloy (Tri-M3)
3.3 Contact: Aluminum / Nickel (J) per MIL-PRF-39012

4.0 MECHANICAL

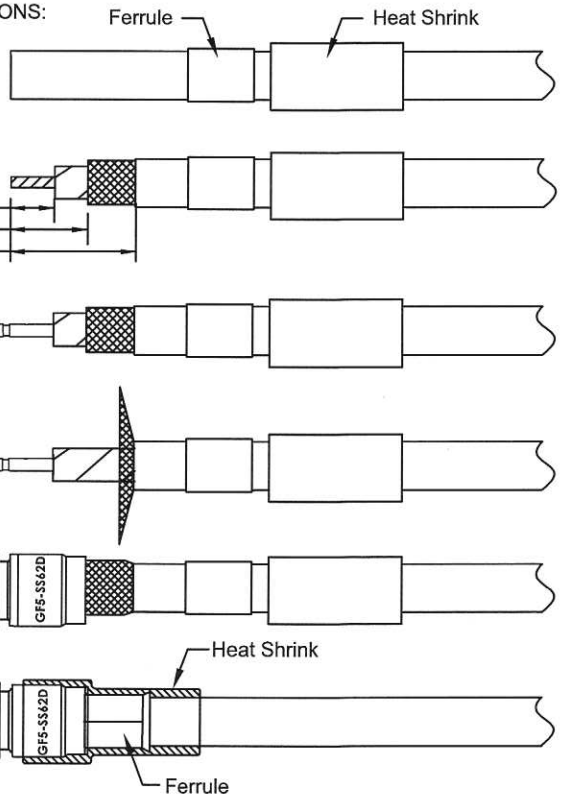
4.1 Interfaces: MIL-STD-348 figure 310-1
4.2 Termination style: Cable contact-solder, Crimp ferrule
4.3 Cable retention: 30 LBS

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

*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) 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 Tim any excess shield. Crimp the ferrule using M22520/5-41 or Y140 DIE, (0.290 A HEX) with handtool M22520/5-01 or equivalent . After crimping ferrule apply adhesive heat shrink.

DESIGNED BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:
S KAHLOON	9/11/2026	M. FREGOSO	9/15/2026	C. CHAPMAN	9/15/2026

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

DESCRIPTION: SMA STRAIGHT PLUG FOR GIGAFLIGHT CABLE GF5-UL62D

CAGE CODE:	PART NUMBER:	SHEET:
8A8D5	GF5-SS62D	1 OF 1

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