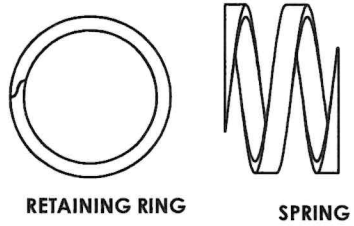
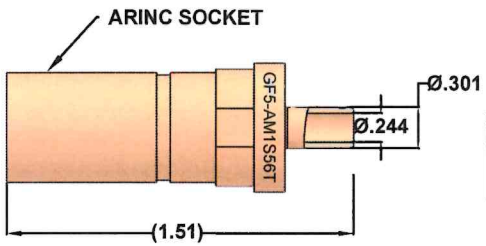
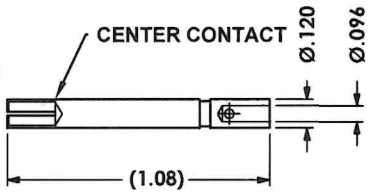
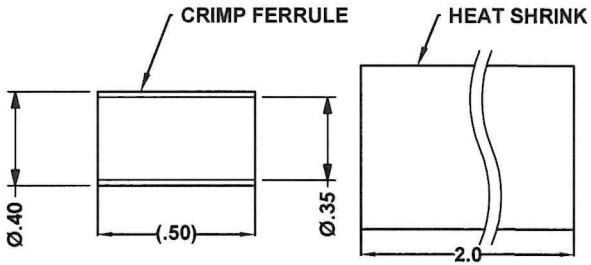
GF5-AM1S56T is a suitable alternative for Carlisle's M1122 and PIC's 190602

REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
1067	NR	-	INITIAL RELEASE	CC	2-7-25









1.0 PERFORMANCE

1.1 Frequency range: DC - 6 GHz
1.2 Nominal impedance: 50 Ohms
1.3 VSWR: 1.7:1 Max DC - 6 GHz
1.4 Insertion loss: .3dB Max DC - 6 GHz
1.5 Working voltage: 1000Vrms @ sea level
1.6 DWV: 2500Vrms @ 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: Be/Cu per ASTM-B-196
2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR.1, CLA
2.4 Ferrule: Copper Per ASTM-B-16 or Copper, CDA-122
2.5 Heat shrink: ATUM PER MIL-I-23053/4, Class 3

3.0 FINISHES

3.1 Body, Contact: Gold per MIL-G-45204
3.2 Ferrule: Albaloy Tri-M

4.0 MECHANICAL

4.1 Interfaces: ARINC Spec 600, Figure 19-54.2
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/+200 °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.

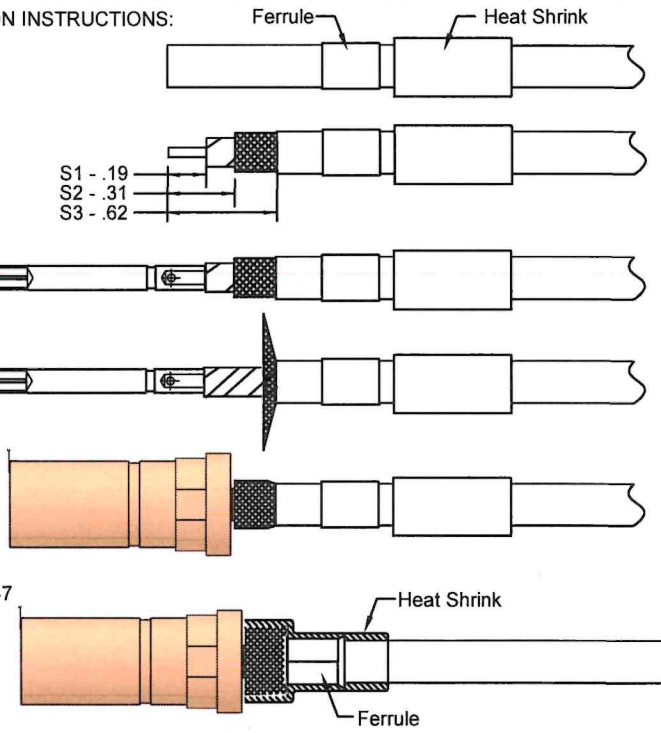
2) When using automated stripping equipment, strip cable to dimensions shown. If automated stripping equipment is not available strip S1 and S3 only and trim excess shield at step 5. Care should be taken not to nick the center conductor and shield.

3) Install contact onto cable conductor flush with dielectric. Contact can be crimped or soldered. When crimping use M22520/5-59 or Y208P 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 M22520/5-47 Hex A or Y144P die (0.359 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	2/7/2025	M. Fregoso	2/07/2025	C Chipman	2/7/2025

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

DESCRIPTION: ARINC 600 MODIFIED SIZE 1 SOCKET FOR GF5-56T

CAGE CODE:	PART NUMBER:	SHEET:
8A8D5	GF5-AM1S56T	1 OF 1

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