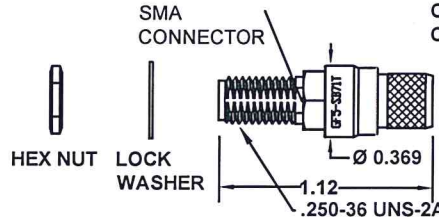
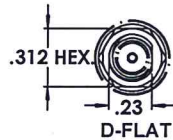


GF5-SB71T is suitable alternative to PIC's 111082

REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
113	NR	-	INITIAL RELEASE	CAC	6/6/19
162	A	B6/D6	ADDED NOTE, FERRULE FINISH ADDED ALBALLOY Tri-M3	<i>RML</i>	9-24-19



**1.0 PERFORMANCE**

- 1.1 Frequency range: DC - 18 GHz
- 1.2 Nominal impedance: 50 Ohms
- 1.3 VSWR: 1.05 +.05(FGHz) Max
- 1.4 Insertion loss: .03 VGHz dB Max
- 1.5 Working voltage: 500Vrms @ sea level
- 1.6 DWV: 1000Vrms @ sea level
- 1.7 Insulation resistance: 5000 Megaohms @ 500 volts DC

**2.0 \*MATERIALS**

- 2.1 Body: SS 303 PER ASTM-A-582
- 2.2 Contact: Brass per ASTM-B-16
- 2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR.1, CLA
- 2.4 Ferrule: Brass per ASTM-B-16
- 2.5 Lock Washer: SS 400 per ASTM-A-582
- 2.6 Hex Nut: SS 303 per ASTM-A-582
- 2.7 Heat shrink: ATUM PER MIL-I-23053/4, Class 3

**3.0 FINISHES**

- 3.1 Body, Hex Nut, Lock Washer : Passivated ASM-QQ-P-35
- 3.2 Ferrule: Nickel per QQ-N-290 or Albaloy (Tri-M3)
- 3.3 Contact: Gold per MIL-PRF-39012

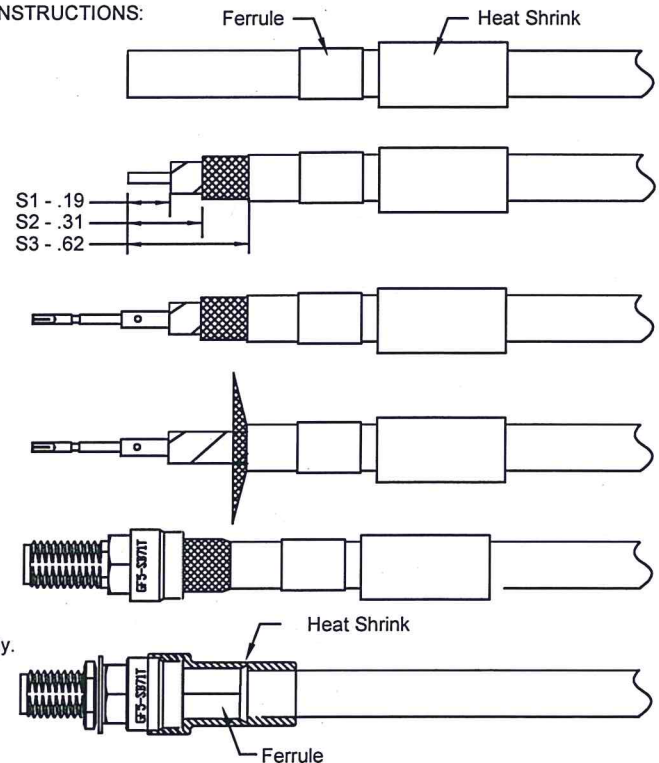
**4.0 MECHANICAL**

- 4.1 Interfaces: MIL-STD-348 figure 310-2
- 4.2 Termination style: Cable contact-solder or crimp, Crimp ferrule
- 4.3 Cable retention: 40 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) Install contact onto cable conductor flush with dielectric. Contact can be crimped or soldered. When crimping use M22520/5-13 or Y206P die (0.068 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 M22520/5-13 or Y206P die(0.255 hex) with hand tool M22520/5-01 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: C CHAPMAN	DATE: 6/5/19	CHECKED BY: K KRUEGER	DATE: 6/5/19	APPROVED BY: B HACKETT	DATE: 6/5/19
		DESCRIPTION: SMA BULKHEAD JACK FOR GIGAFLIGHT CABLE GF5-71T			
6180 Industrial Ct. Greendale WI, 53129 Tel: 414-488-6320 Fax: 414-433-9041		CAGE CODE: 8A8D5	PART NUMBER: GF5-SB71T	SHEET: 1 OF 1	