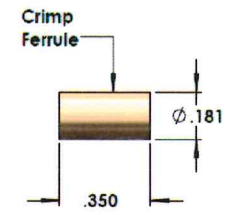
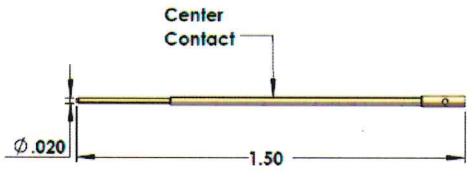
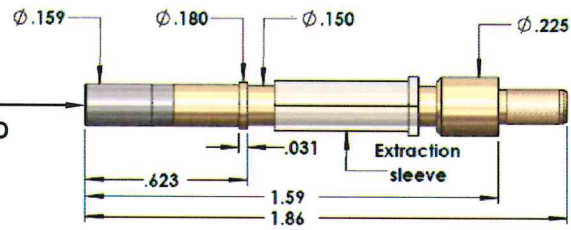


REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
229	NR	-	INITIAL RELEASE	KMK	3/4/2020
251	A	FD	CHANGED CONNECTOR PARTS TO COLOR	KMK	4-21-2020

**Size 12 Socket  
75 Ohm Interface**  
Mates with GF7-12P303HD  
and PIC P/N 190766



**1.0 PERFORMANCE**

- 1.1 Frequency range: DC - 3 GHz
- 1.2 Nominal impedance: 75 Ohms
- 1.3 VSWR: 1.3:1 Max
- 1.4 Insertion loss: .3 dB Max
- 1.5 Working voltage: 250Vrms @ sea level
- 1.6 DWV: 500Vrms @ sea level
- 1.7 Insulation resistance: 5000 Megaohms

**2.0 MATERIALS**

- 2.2 Body: BeCu per ASTM-B-196
- 2.2 Contact: BeCu per ASTM-B-196
- 2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR.1, CLA
- 2.4 Ferrule: Brass per ASTM-B-16
- 2.5 Extraction sleeve: Nylon

**3.0 FINISHES**

- 3.1 Body, Ferrule and Contact: Gold

**4.0 MECHANICAL**

- 4.1 Interface: SAE-AS39029/103 (75 Ohm Interface)
- 4.2 Termination style: Cable contact-solder or crimp, Crimp ferrule

**5.0 APPLICATIONS**

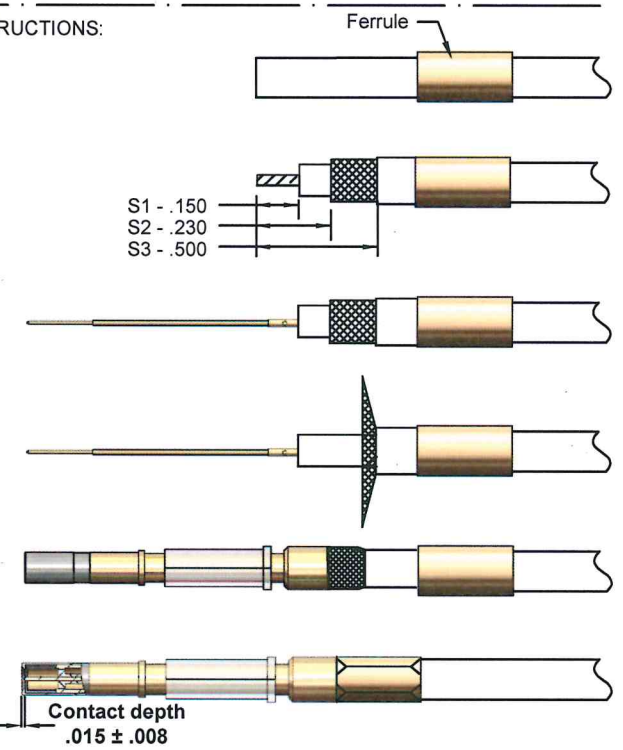
- 5.1 MIL-DTL-38999 Series I, III, and IV

Compatible Cable	Mates With
GF7-303D	GF7-12P303HD 190766
V75268	
V73263	
V76261	

RoHS Compliant

**TERMINATION INSTRUCTIONS:**

- 1) Slide 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 K1972 positioner (selector 5) with hand tool M22520/2-01 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. 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 Y187 die (0.156 hex) with hand tool M22520/5-01 or equivalent. After crimping ferrule apply adhesive heat shrink and slide environmental seal over back end of connector.



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

DESIGNED BY: C CHAPMAN	DATE: 3/4/2020	CHECKED BY: K KRUEGER	DATE: 3/4/2020	APPROVED BY: C CHAPMAN	DATE: 3/4/2020
			DESCRIPTION: 75 OHM M39029 SIZE 12 SOCKET FOR GIGAFLIGHT CABLE GF7-303D		
6180 Industrial Ct. Greendale WI, 53129 Tel: 414-488-6320 Fax: 414-433-9041		CAGE CODE: 8A8D5	PART NUMBER: GF7-12S303HD	SHEET: 1 OF 1	