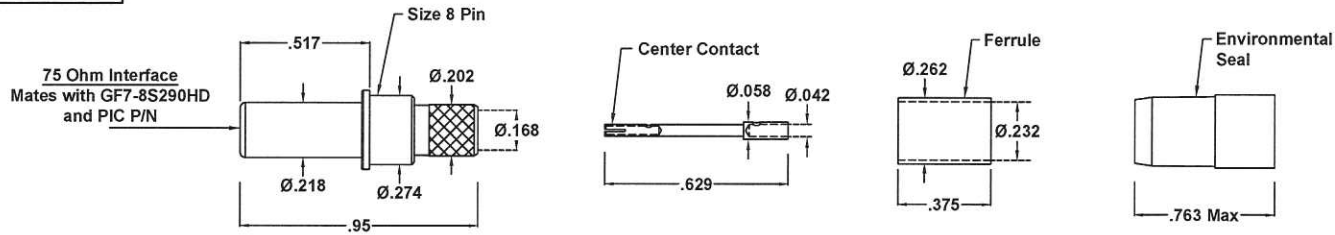


GF7-8P290HD is a drop in replacement for Pic's 190940-01

REVISIONS					
ECN	REVISION	ZONE	DESCRIPTION OF CHANGE	APPROVED	DATE
1382	NR	-	INITIAL RELEASE	CC	6/12/26



**1.0 PERFORMANCE**

- 1.1 Frequency range: DC - 4 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: 750Vrms @ sea level
- 1.6 DWV: 1300Vrms @ sea level
- 1.7 Insulation resistance: 5000 Megohms

**2.0 MATERIALS**

- 2.1 Body: Brass per ASTM-B-16
- 2.2 Contact: BeCu per ASTM-B-196
- 2.3 Dielectric: PTFE per ASTM-D-1710, type I, GR.1, CLA
- 2.4 Ferrule: DHP Copper per ASTM-B75
- 2.5 Environmental Seal: SI Rubber + Thermoplastic

**3.0 FINISHES**

- 3.1 Body, Ferrule and Contact: Gold

**4.0 MECHANICAL**

- 4.1 Interface: SAE-AS39029/60 (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

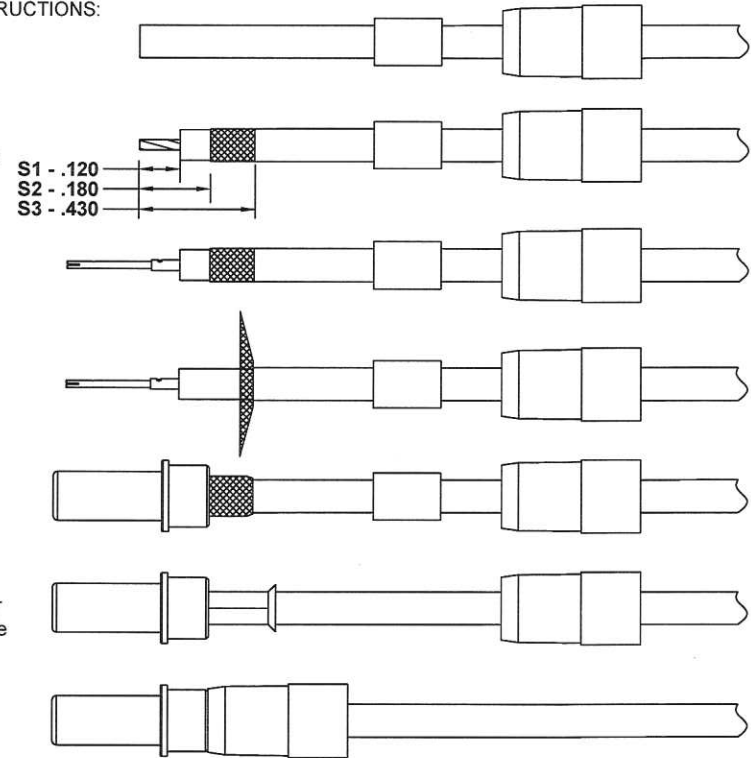
**6.0 Extraction Tool**

- 6.1 MIL-I-81969/14-12

Compatible Cable	Mates With
GF7-290D	GF7-8S290HD-01
GF7-449D	GF7-8S290HD
GF7-TX290D	190741-01
V75268	190941-01
V73263	190741
V76261	190941

**TERMINATION INSTRUCTIONS:**

- 1) Slide ferrule and Environmental seal 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 6. 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 TP1681 positioner (selector 4) with hand tool M22520/1 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 Y143 die (0.231 hex) with hand tool M22520/5-01 or equivalent.
- 7) After crimping ferrule slide environmental seal over back end of connector.



DESIGNED BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:
A ELVIRA	6/10/2026	M.Fregoso	6/12/2026	C Chapman	6/12/2026

**GIGAFLIGHT**  
CONNECTIVITY INC.  
DESCRIPTION: 75 OHM SIZE 8 PIN FOR GIGAFLIGHT CABLE GF7-290HD

6180 Industrial Ct. Greendale WI, 53129 Tel: 414-488-6320 Fax: 414-433-9041	CAGE CODE: 8A8D5	PART NUMBER: GF7-8P290HD	SHEET: 1 OF 1
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UNLESS OTHERWISE SPECIFIED:  
ALL DIMENSIONS ARE IN INCHES.  
ALL DIMENSIONS ARE FOR REFERENCE ONLY.

RoHS Compliant