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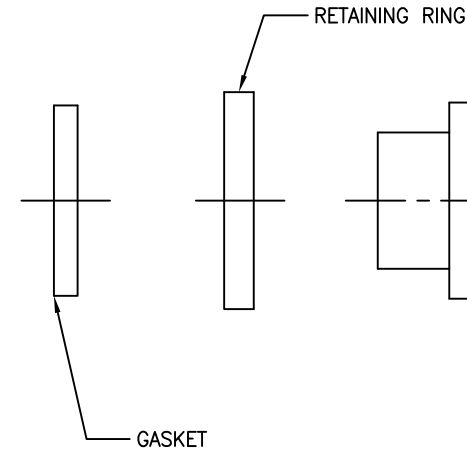
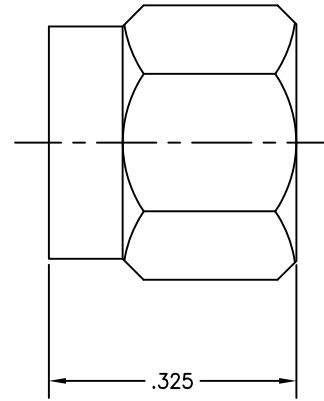
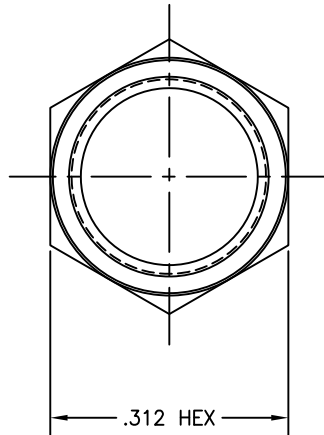
P/N

5319-1

5319-1SF

## REVISIONS

REV	DESCRIPTION	DATE	BY
A	ECO 16186	10.01.03	P.MAO
B	ECO 19557	09.08.06	DKN
C	ECO 202352 (ADD NEW NAME)	11.20.24	DKN



\* ALL ITEMS TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body And Coupling Nut: 303 sst per ASTM A-582. Retaining Ring: BeCu alloy per ASTM B-196 or ASTM B-197. Gasket: Silicone Rubber per A-A-59588.	Impedance: 50 Ohms nominal. Frequency Range: per cable per MIL-C-17. VSWR: 1.02 + .005 f(GHz). Insertion Loss: Not Applicable Dielectric Withstanding Voltage: Not Applicable R.F. HiPot Voltage: 670 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 10,000 MegOhms min. R.F. Leakage: -(90 - fGHz) dB. Contact Resistance: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.

FINISH(ES):	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL	SPECIFICATION	PROCUREMENT						
Body & Coupling Nut: (for -1SF) Passivated per ASTM A-967. Body & Coupling Nut: (for -1) Gold plate per ASTM B-488, Type II, Code C, Class .25; Over nickel under plate per SAE-AMS-QQ-N-290, Class 1.	<table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>	WORK STD	PROD INST	ASSY INST	NA	NA	NA	INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .XX ±.015 .XXX ±.005 ANGLULAR ± 1/2° FRACTION ± 1/32	-	-	-
WORK STD	PROD INST	ASSY INST									
NA	NA	NA									
	<b>NOTICE</b> THIS DRAWING EMBODIES A CONFIDENTIAL, PROPRIETARY DESIGN ORIGINATED BY Amphenol CDI AND ALL DESIGN, MANUFACTURING, RE-PRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UN-AUTHORIZED PERSON TO INCORPORATE OTHER PROJECTS ANY SPECIAL FEATURE REGULAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, Cerritos, CA 90703	1. MACHINE FINISH: #3/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-26. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	APPROVAL INITIALS: IMG DATE: 03.11.02 CHECKED BY: TEST ENGG QUALITY: TEST ENGG DESIGN ENGG: ATV DATE: 09.08.06 MFG ENGG: ECO APPRV: DNg DATE: 11.20.24	<b>Amphenol CDI</b> 12900 Alondra Blvd. Cerritos, CA 90703 TITLE: SMA MALE STRAIGHT TO Ø.141 SEMI-RIGID CABLE, WITHOUT CONTACT SCALE: 8:1 DIRECTORY/SUB-DIRECTORY: _OUTLINE\ SHEET 1 OF 1	CAGE CODE: 30990 DRAWING NO.: 5319-1 REV. C						

ENG-DWG REV. H

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