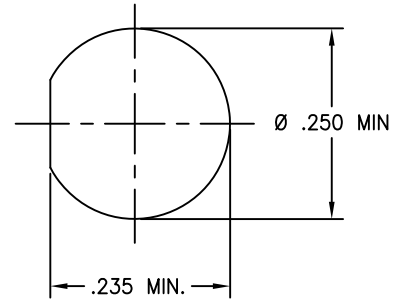


4		3				2		1			
P/N	APPLICABLE NOTE(S)	(Ø A)	(Ø B)	CABLE TYPE(S)	FIGURE(S)	REVISIONS					
-1	1,2	.144	.250	Ø .141 SEMI-RIGID	1	REV	DESCRIPTION		DATE	BY	
-1SF	1,2	.144	.250	Ø .141 SEMI-RIGID		D	ECO 18951	01.16.06	DKN		
-1NP	1,2	.144	.250	Ø .141 SEMI-RIGID		E	ECO 19832	12.15.06	DKN		
-2	1,2	.088	.185	Ø .085 SEMI-RIGID		F	ECO 202352 (ADD NEW NAME)	11.20.24	DKN		
-2SF	1,2	.088	.185	Ø .085 SEMI-RIGID							
-3	1,2	.144	.250	Ø .141 MICROPOROUS							
-3SF	1,2	.144	.250	Ø .141 MICROPOROUS							
-4	1,2	.088	.185	Ø .085 LOW LOSS							
-4SF	1,2	.088	.185	Ø .085 LOW LOSS							
-5CC	1,2	.050	.120	Ø .047 SEMI-RIGID		2					



RECOMMENDED MOUNTING HOLE

NOTE(S):

1. THESE AREAS REQUIRED GOLD PLATE FOR PART NUMBERS END WITH "SF".

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Locknut: 303 SST per ASTM A-582 Center Conductor: BeCu Alloy per ASTM B-196 Insulator: PTFE Teflon per ASTM D-1710 O-Ring: Silicone S613-60 or S604-70 Lockwasher: SST 410 Epoxy: Sigma VF Type HV	Impedance: 50 Ohms Nom. Freq. Range: DC TO 18 GHz VSWR: 1.05 + .005 x f(GHz) Insertion Loss: .03 x √f GHz Working Voltage: 335 Vrms @ Sea Level Insulation Resistance: 5000 Mohms Dielectric Withstand Voltage: 1000 V rms RF HiPot Voltage: 670 Vrms Min @ 5MHz RF Leakage: -(90 - f GHz) dB Corona Level: 250 Vrms @ 70,000 ft Contact Resistance Center Conductor: Before Environmental: 3.0 Milliohms After Environmental: 4.0 Milliohms	Interface Dimensions: MIL-PRF-39012 Connector Durability: 500 Cycles Center Contact Retention: 6 lbs Min Axial N/A Radial Force to Engage and Disengage: 2 inch lbs max TORQUE Cable Retention Force: 60 lbs Min.	Temperature Range: -65°C to +125°C (All Captivated) -65°C to +165°C (Basic & SF) Thermal Shock: MIL-STD-202, Method 107, Test Cond. B Moisture Resistance: MIL-STD-202, Method 106. Insulation resistance at least 200 MegaOhms 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:	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	MATERIAL		SPECIFICATION		PROCUREMENT																																								
Body: (for SF's) Passivated per ASTM A-967 OR AMS-QQ-P-35 (for CC & Basic) Gold plate per ASTM B-488, Type II, Class 0.25; over Nickel plate per SAE-AMS-QQ-N-290, Class 1. (for NP's) Nickel plate per AMS-QQ-N-290 Locknut & Lockwasher: (for SF's & NP) Passivated per ASTM A-967 OR AMS-QQ-P-35 (for CC & Basic) Gold plate per ASTM B-488, Type II, Class 0.25; over Nickel plate per SAE-AMS-QQ-N-290, Class 1. Center Conductor: Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25; over Nickel 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 .XXX ±.015 ANGULAR ± 1/2° .XXX ±.005 ANGULAR ± 1/2° FRACTION ± 1/32	<table border="1"> <thead> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>IMG</td> <td>04.04.02</td> </tr> </tbody> </table>	APPROVAL INITIALS	DATE	IMG	04.04.02	<table border="1"> <thead> <tr> <th>DESIGN ENGG</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DNg</td> <td>12.15.06</td> </tr> </tbody> </table>	DESIGN ENGG	DATE	DNg	12.15.06	<table border="1"> <thead> <tr> <th>TEST ENGG</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	TEST ENGG	DATE			<table border="1"> <thead> <tr> <th>QUALITY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	QUALITY	DATE			<table border="1"> <thead> <tr> <th>MFG ENGG</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	MFG ENGG	DATE			<table border="1"> <thead> <tr> <th>ECO APPRV</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	ECO APPRV	DATE			TITLE SMA FEMALE BULKHEAD FEEDTHROUGH TO SEMI-RIGID CABLE	12900 Alondra Blvd. Cerritos, CA 90703	SCALE 6:1	DIRECTORY/SUB-DIRECTORY _OUTLINE\	SHEET 1 of 2	SIZE C	CAGE CODE 30990	DRAWING NO. 5289	REV F
WORK STD	PROD INST	ASSY INST																																													
NA	NA	NA																																													
APPROVAL INITIALS	DATE																																														
IMG	04.04.02																																														
DESIGN ENGG	DATE																																														
DNg	12.15.06																																														
TEST ENGG	DATE																																														
QUALITY	DATE																																														
MFG ENGG	DATE																																														
ECO APPRV	DATE																																														

NOTICE

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. IF IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC 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 EITHER PROJECTS ANY SPECIAL FEATURE REGULAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, Cerritos, CA 90703.

4

3

2

1

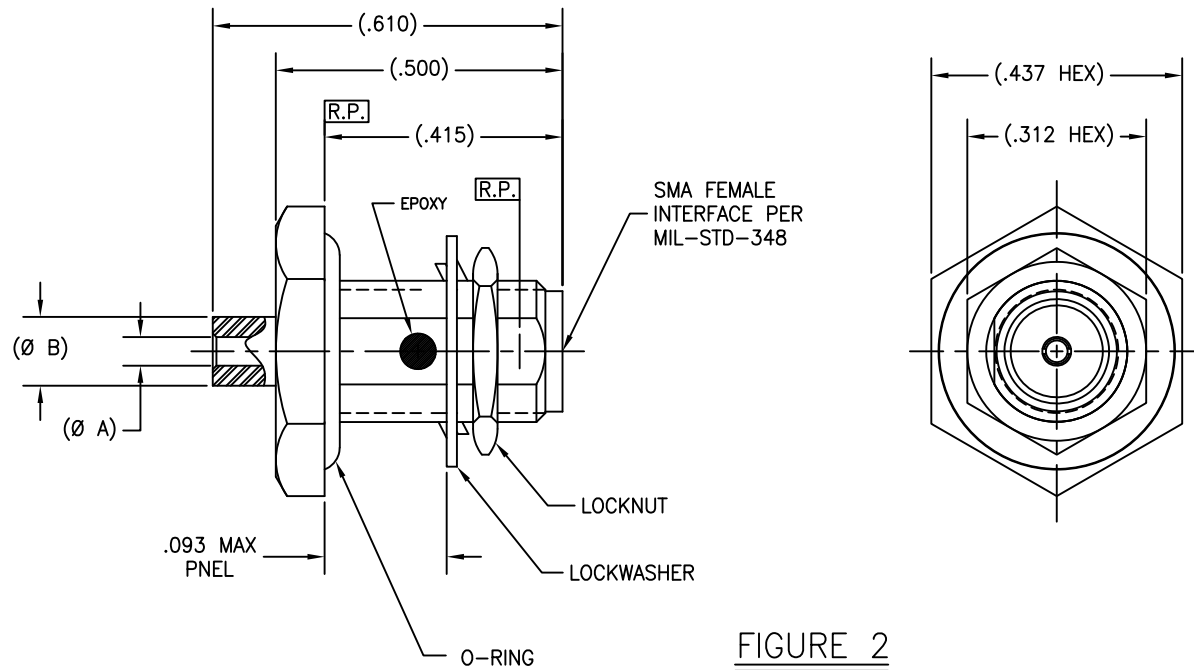


FIGURE 2

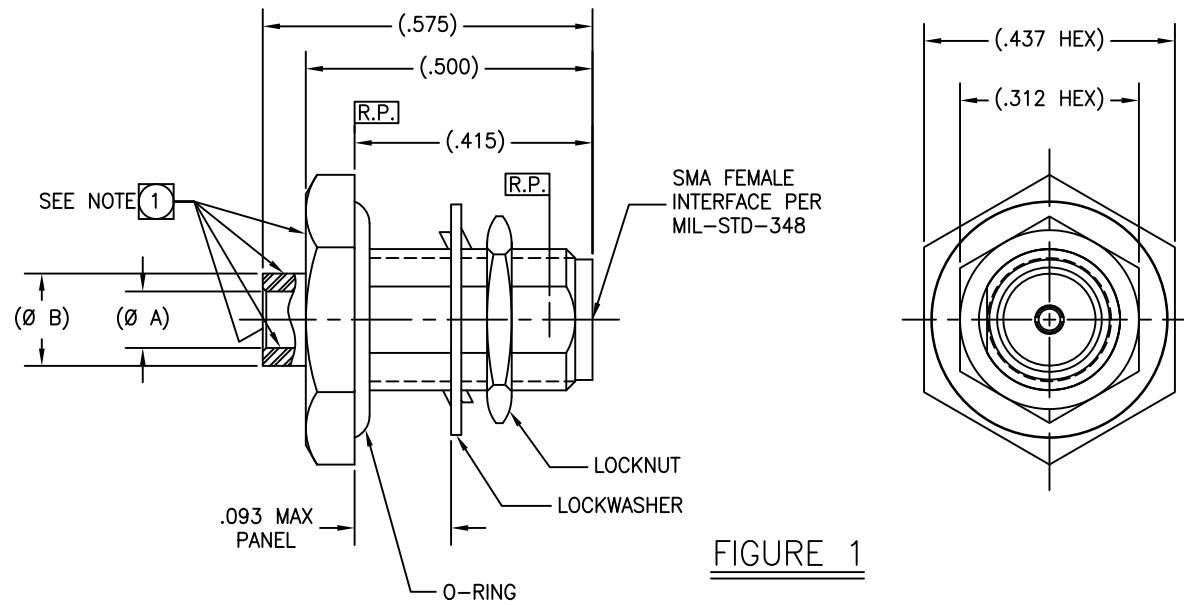


FIGURE 1

SCALE 6/1	DIRECTORY/SUB-DIRECTORY _OL\	SHEET 2 OF 2
SIZE C	CAGE CODE 30990	DRAWING NO. 5289
		REV. F

4

3

2

1