

4				3				2				1				
P/N	Ø A	CABLE TYPES	FIG.									REVISIONS				
-1CC	.049 MIN	Ø .047 SEMI-RIGID	1									REV	DESCRIPTION		DATE	BY
-2CC	.088 MIN	Ø .085 SEMI-RIGID	3									K	ECO 26260		10.05.12	DKN
-3CC	.049 MIN	Ø .047 MICROPOROUS	1									L	ECO 31309 (ADD -5CC ~ -8CC)		09.07.16	DKN
-4CC	.088 MIN	Ø .085 MICROPOROUS	3									M	ECO 202352 (ADD NEW NAME)		11.25.24	DKN
-5CC	.049 MIN	Ø .047 SEMI-RIGID	2													
-6CC	.088 MIN	Ø .085 SEMI-RIGID	4													
-7CC	.049 MIN	Ø .047 MICROPOROUS	2													
-8CC	.088 MIN	Ø .085 MICROPOROUS	4													

NOTE(S):

- 1. Cap, Dielectric stop and Conductive EMI Ring to be packaged and shipped unassembled.

CONFIGURATION ON SHT 2

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL:
<p>Body: BeCu alloy per ASTM B-196. Center Conductor: BeCu alloy per ASTM B-196. EMI & Anti-Rock Ring And Cap: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Dielectric Stop (-1CC, -3CC, -5CC, -7CC): Tortlon per ASTM D-5204 Conductive EMI Ring: Silicone per MIL-G-83528.</p>	<p>Impedance: 50 Ohms nominal. Frequency Range: DC to 18 GHz. VSWR: 1.20:1 max @ 18 GHz. Insertion Loss: .10dB max to 18GHz. Working Voltage: 335 Vrms max @ sea level. 65 Vrms @ 70,000 ft. Dielectric Withstanding Voltage: 500 Vrms min. R.F. HiPot Voltage: 325 Vrms min @ 5MHz. Corona Level: 190 Vrms @ 70,000 ft. Insulation Resistance: 5,000 MegOhms min. Contact Resistance: Center Contact: 6.0 Milliohm max. Outer Contact: 2.0 Milliohm max. R.F. Leakage: -80 dB to 3 GHz.</p>	<p>Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Engage: 15 pounds max for Full Detent. 10 pounds max for Limited Detent. 2 pounds max for Smooth Bore. Disengage: 5 pounds min for Full Detent. 2 pounds min for Limited Detent. .5 pound min for Smooth Bore. Center Contact Retention: Axial Force: 1.5 pounds min. Radial Torque: NA Connector Durability: Depend on Detent</p>	<p>Temperature Range: -65° to +165°. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. (except high temperature to be +165°C) Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1,000 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. Solderability: Mil-Std-202, Method 208.</p>

FINISH(ES):	APPLICABLE Amphenol CDI DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	SEE NOTE(S)	SEE NOTE(S)	SEE NOTE(S)																							
<p>Body, Center Conductor, EMI & Anti-Rock Ring And Cap: Gold plate per ASTM B-488, type II, code C or D, class 1.25 over nickel under plate per AMS-QQ-N-290, class 1.</p>	<table border="1"> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> <tr> <td>NA</td> <td>NA</td> <td>AI-307</td> </tr> <tr> <td></td> <td></td> <td>AI-308</td> </tr> </table>	WORK STD	PROD INST	ASSY INST	NA	NA	AI-307			AI-308	<p>INTERPRET DRAWING PER ASME Y14.5-2018 DIMENSIONS ARE IN INCHES: LINEAR .XX ±0.015 XXX ±.005 ANGULAR ± 1/2° FRACTION ± 1/32</p> <ol style="list-style-type: none"> MACHINE FINISH: 83/RMS BREAK ALL SHARP EDGES .003 MAX. MACHINED FILLETS .005 MAX. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. DIMENSIONS TO BE MET BEFORE PLATING. CHAMFER ALL THREADS 45°. THREADS PER 4-26. REMOVE FRAYED EDGES ON TEFLON. REMOVE ALL BURRS. 	<table border="1"> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> <tr> <td>CHECKED BY</td> <td>01/31/96</td> </tr> <tr> <td>TEST ENGG</td> <td></td> </tr> <tr> <td>QUALITY</td> <td></td> </tr> <tr> <td>DESIGN ENGG</td> <td>07.31.08</td> </tr> <tr> <td>MFG ENGG</td> <td></td> </tr> <tr> <td>ECO APPRV</td> <td>11.25.24</td> </tr> </table>	APPROVAL INITIALS	DATE	CHECKED BY	01/31/96	TEST ENGG		QUALITY		DESIGN ENGG	07.31.08	MFG ENGG		ECO APPRV	11.25.24	<p>12900 Alondra Blvd. Cerritos, CA 90703</p> <p>Amphenol CDI</p> <p>TITLE SMP FEMALE MITER RIGHT ANGLE TO SEMI-RIGID CABLE (18 GHz VERSION)</p> <p>SCALE NONE DIRECTORY/SUB-DIRECTORY -OUTLINE\</p> <p>SHEET 1 OF 2</p> <p>SIZE C CAGE CODE 30990 DRAWING NO. P659</p>	<p>12900 Alondra Blvd. Cerritos, CA 90703</p> <p>Amphenol CDI</p> <p>TITLE SMP FEMALE MITER RIGHT ANGLE TO SEMI-RIGID CABLE (18 GHz VERSION)</p> <p>SCALE NONE DIRECTORY/SUB-DIRECTORY -OUTLINE\</p> <p>SHEET 1 OF 2</p> <p>SIZE C CAGE CODE 30990 DRAWING NO. P659</p>
WORK STD	PROD INST	ASSY INST																										
NA	NA	AI-307																										
		AI-308																										
APPROVAL INITIALS	DATE																											
CHECKED BY	01/31/96																											
TEST ENGG																												
QUALITY																												
DESIGN ENGG	07.31.08																											
MFG ENGG																												
ECO APPRV	11.25.24																											

4

3

2

1

D

D

C

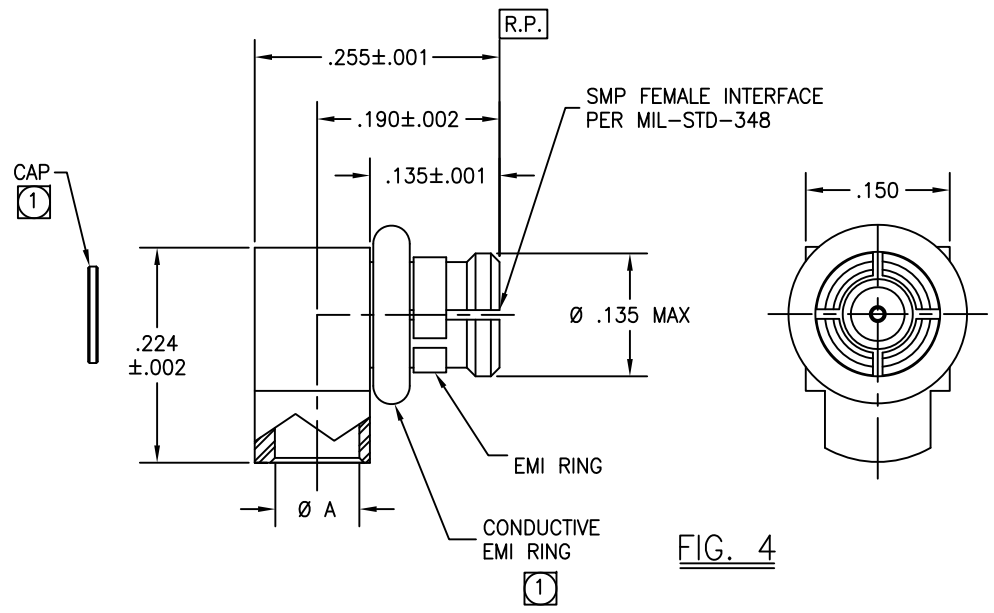
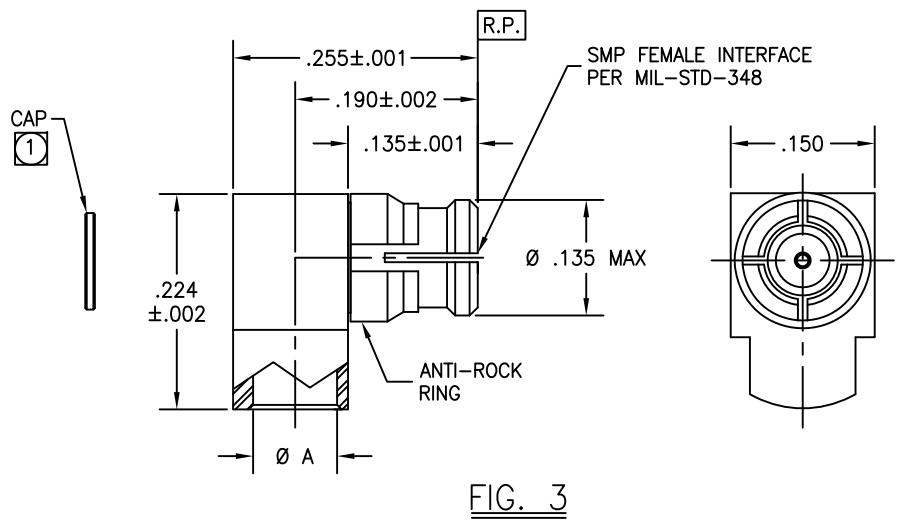
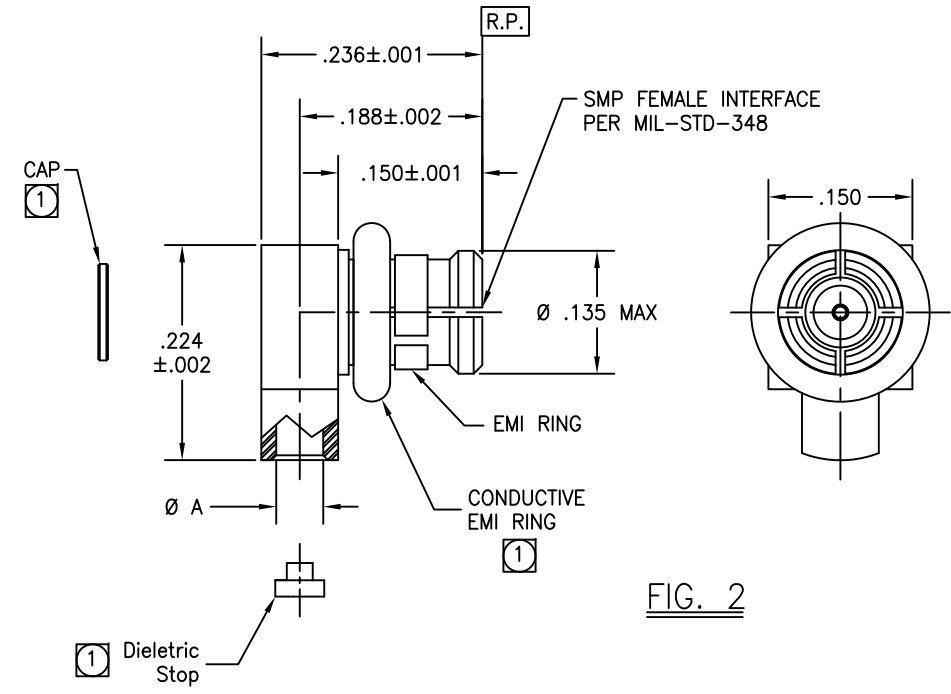
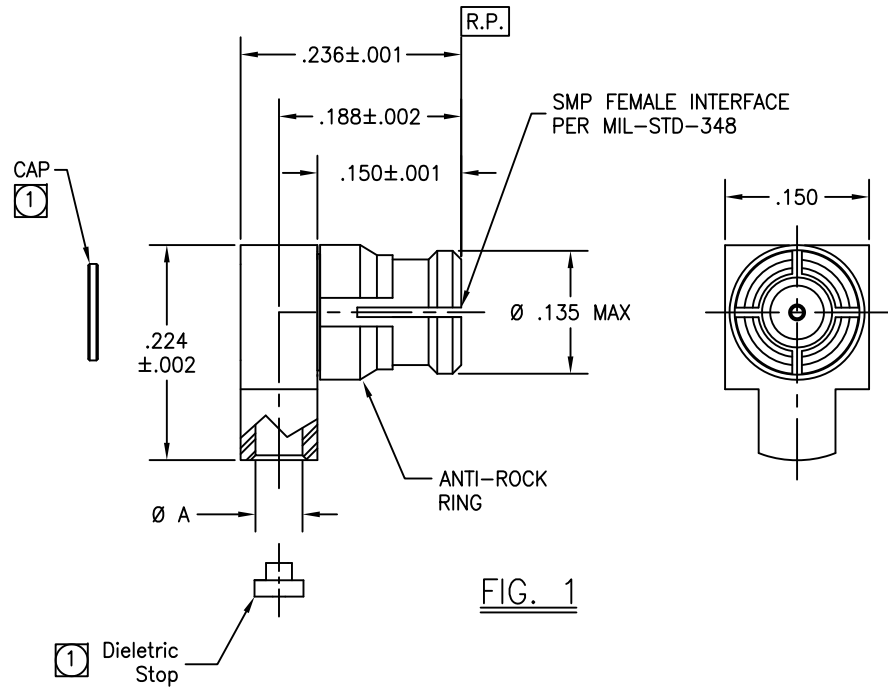
C

B

B

A

A



SCALE	DIRECTORY/SUB-DIRECTORY	SHEET 2	OF 2
NONE	_OUTLINE\		
SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P659	M

4

3

2

1