

P/N	∅ A	CABLE TYPES	FIG.
-1CC	.049 MIN	∅ .047 SEMI-RIGID	1
-2CC	.088 MIN	∅ .085 SEMI-RIGID	3
-3CC	.049 MIN	∅ .047 MICROPOROUS	1
-4CC	.088 MIN	∅ .085 MICROPOROUS	3
-5CC	.049 MIN	∅ .047 SEMI-RIGID	2
-6CC	.088 MIN	∅ .085 SEMI-RIGID	4
-7CC	.049 MIN	∅ .047 MICROPOROUS	2
-8CC	.088 MIN	∅ .085 MICROPOROUS	4

REVISIONS			
REV	DESCRIPTION	DATE	BY
J	ECO 21448	07.22.08	DKN
K	ECO 26260	10.05.12	DKN
L	ECO 31309 (ADD -5CC ~ -8CC)	09.07.16	DKN

CONFIGURATION ON SHT 2

NOTE(S):

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

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL:
<p>Body: BeCu alloy per ASTM B-196. Center Conductor: BeCu alloy per ASTM B-196. EMI &amp; Anti-Rock Ring And Cap: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. Dielectric Stop (-1CC, -3CC, -5CC, -7CC): Torlon 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 &amp; 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 +125°. 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 CARLISLE IT DOCUMENTS			TOLERANCES AND NOTES EXCEPT AS NOTED		SEE NOTE(S)	SEE NOTE(S)	SEE NOTE(S)
	WORK STD	PROD INST	ASSY INST	LINEAR: .XX ±.015	ANGULAR: ± 1/2°	MATERIAL	SPECIFICATION	PROCUREMENT
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.	NA	NA	AI-307	.XXX ±.005	FRACTION: ± 1/32	BRD	01/31/96	
			AI-308					
	<p><b>NOTICE</b> THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN, MANUFACTURING, REPRODUCTION, 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 UNAUTHORIZED PERSON TO INCORPORATE OTHER PRODUCTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, CERRITOS, CA 90703</p>			<p>1. MACHINE FINISH: 63/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-28. 9. REMOVE FRAYED EDGES ON TEFLON. 10. REMOVE ALL BURRS.</p>		<p>APPROVAL INITIALS: _____ DATE: _____ DRAWN BY: BRD 01/31/96 CHECKED BY: _____ TEST ENGG: _____ QUALITY: _____ DESIGN ENGG: DNg 07.31.08 MFG ENGG: _____ ECO APPRV: DNg 09/08/16</p>	<p><b>CARLISLE</b> Interconnect Technologies Cerritos, CA 90703 TITLE: SMP FEMALE MITER RIGHT ANGLE TO SEMI-RIGID CABLE (18 GHz VERSION) SCALE: NONE DIRECTORY/SUB-DIRECTORY OUTLINE SHEET 1 of 2 SIZE: C 30990 P659</p>	<p>REV: L</p>

4 3 2 1

D

D

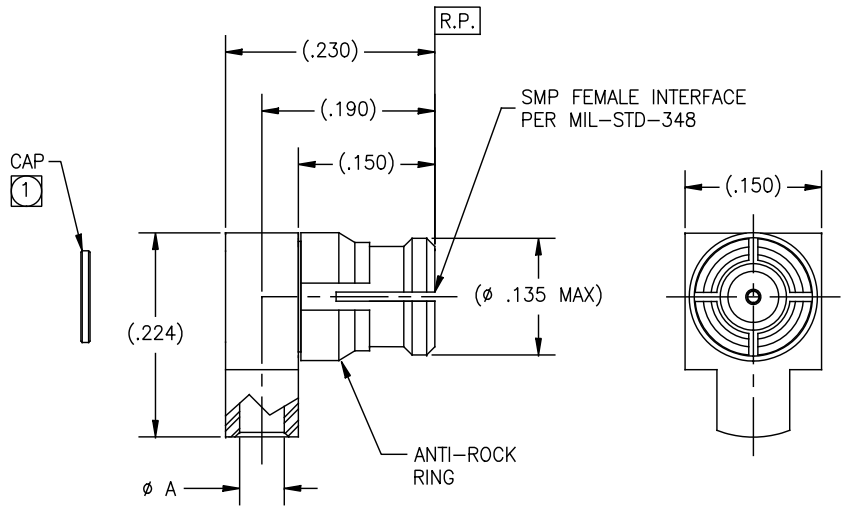


FIG. 1

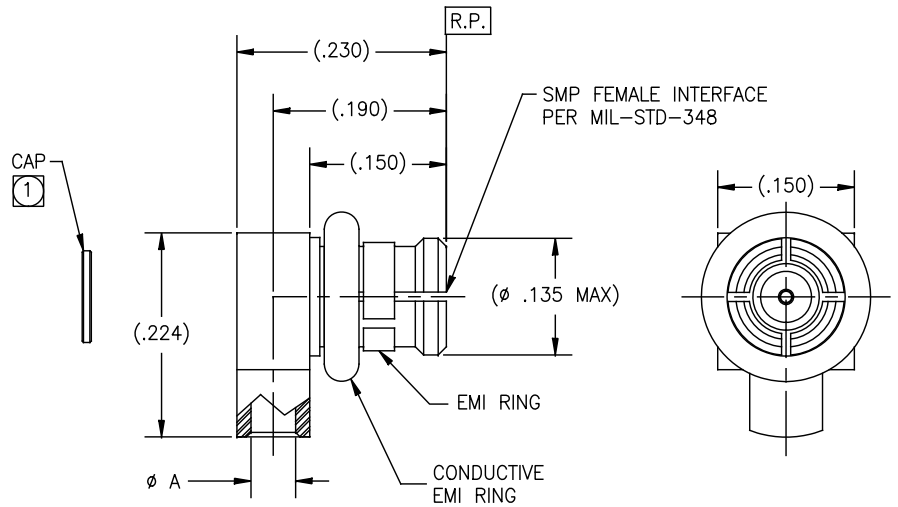


FIG. 2

C

C

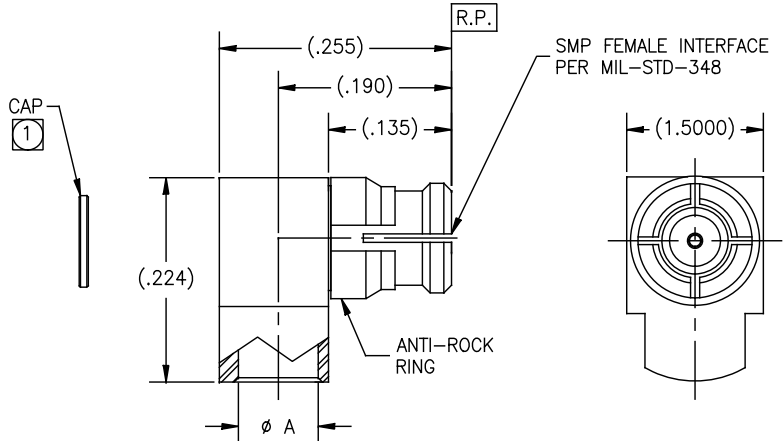


FIG. 3

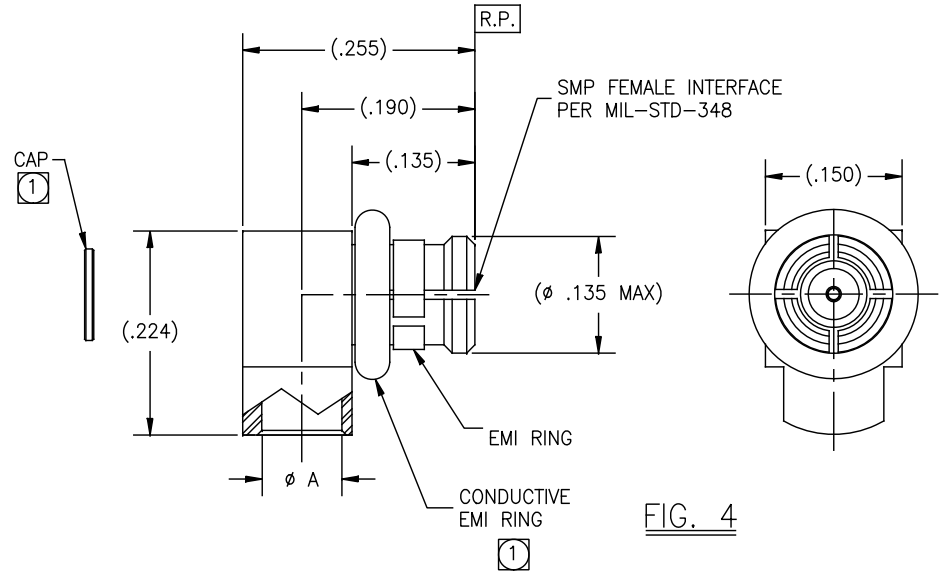


FIG. 4

B

B

A

A

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

4 3 2 1