

P/N	A	B	FIGURE(S)
-1CC	.768/.770	NR	1
-2CC	.850/.852	NR	1
-3CC	1.365/1.367	NR	1
-4CC	.439/.441	NR	2
-5CC	.768/.770	NR	2
-6CC	.414/.416	NR	1
-7CC	.427/.429	NR	1
-8CC	.538/.540	NR	3
-9CC	.528/.530	NR	3
-10CC	.636±.001	(.272)	4
-11CC	1.898±.002	(.358)	4
-12CC	2.769±.002	(.358)	4

REVISIONS			
REV	DESCRIPTION	DATE	BY
E	ECO 35219 (ADD -10CC THRU -12CC)	10.14.19	DKN
F	ECO 201966	10.01.2024	P.MAO
G	ECO 202352 (ADD NEW NAME)	11.26.24	DKN

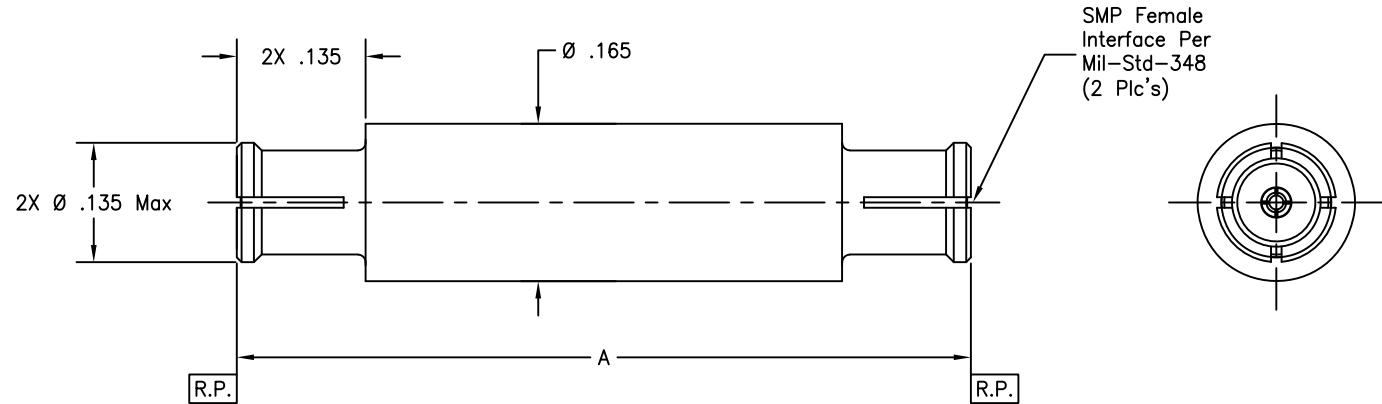


FIGURE 1

MATERIAL(S):	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Center Conductor: BeCu alloy per ASTM B-196. Insulator: Teflon per ASTM D-1710. O-Ring: Silicone carbon filled elastomer, conductive, color black. O-Ring: (-10CC thru -12CC) Silicone per AA-59588, Class 2, Grade 70. Solder (Center conductor): (-10CC thru -12CC) Sn63.	Impedance: 50 Ohms nominal. Frequency Range: DC to 40 GHz. VSWR: 1.05 + .008 f(GHz). Insertion Loss: .04 X √f(GHz). Working Voltage: 335 Vrms max @ sea level. Insulation Resistance: 5,000 MegOhms. Dielectric Withstanding Voltage: 500 Vrms. RF HiPot Voltage: 325 Vrms min @ 5 MHz. Corona Level: 190 Vrms @ 70,000 ft. R.F. Leakage: -80 dB max to 3.0 GHz. -65 dB max to 18.0 GHz. Contact Resistance: Center Contact: 8.0 Milliohms. Outer Contact: 2.0 Milliohms.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage: Full Detent: 15 lbs max Limited Detent: 10 lbs max Smooth Bore: 2 lbs max Force To Disengage: Full Detent: 5 lbs min Limited Detent: 2 lbs min Smooth Bore: 0.5 lbs min Center Contact Retention: Axial Force: 2.0 pounds min. Radial Torque: NA Connector Durability: Full Detent: 100 cycles min. Limited Detent: 500 cycles min. Smooth Bore: 1,000 cycles min. Axial Misalignment: .000/.010 inch.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance shall be 200 MegaOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration high frequency: 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 & Center Conductor: Gold plate per ASTM B 488, Type II, Code C or D, Class 1.25, over nickel underplated per SAE-AMS-QQ-N-290, Class 1, .000050 min thick, over copper strike.	<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 FRACTION ± 1/32 1. MACHINE FINISH: #3/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES 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 #1-26. 9. REMOVE FRAVED EDGES ON TEFLO. 10. REMOVE ALL BURRS.	<table border="1"> <thead> <tr> <th>APPROVAL INITIALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN BY: ATV</td> <td>06.04.99</td> </tr> <tr> <td>CHECKED BY: P.MAO</td> <td>10.03.2024</td> </tr> <tr> <td>TEST ENGG</td> <td></td> </tr> <tr> <td>DESIGN ENGG</td> <td>P.MAO 12.13.10</td> </tr> <tr> <td>MFG ENGG</td> <td></td> </tr> <tr> <td>ECO APPRV</td> <td>DNg 11.26.24</td> </tr> </tbody> </table>	APPROVAL INITIALS	DATE	DRAWN BY: ATV	06.04.99	CHECKED BY: P.MAO	10.03.2024	TEST ENGG		DESIGN ENGG	P.MAO 12.13.10	MFG ENGG		ECO APPRV	DNg 11.26.24	Amphenol CDI TITLE: SMP FEMALE TO SMP FEMALE STRAIGHT ADAPTER SCALE: 10:1 DIRECTORY/SUB-DIRECTORY: _OUTLINE/ SHEET 1 OF 2	12900 Alondra Blvd. Cerritos, CA 90703 P617 REV. G
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4

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2

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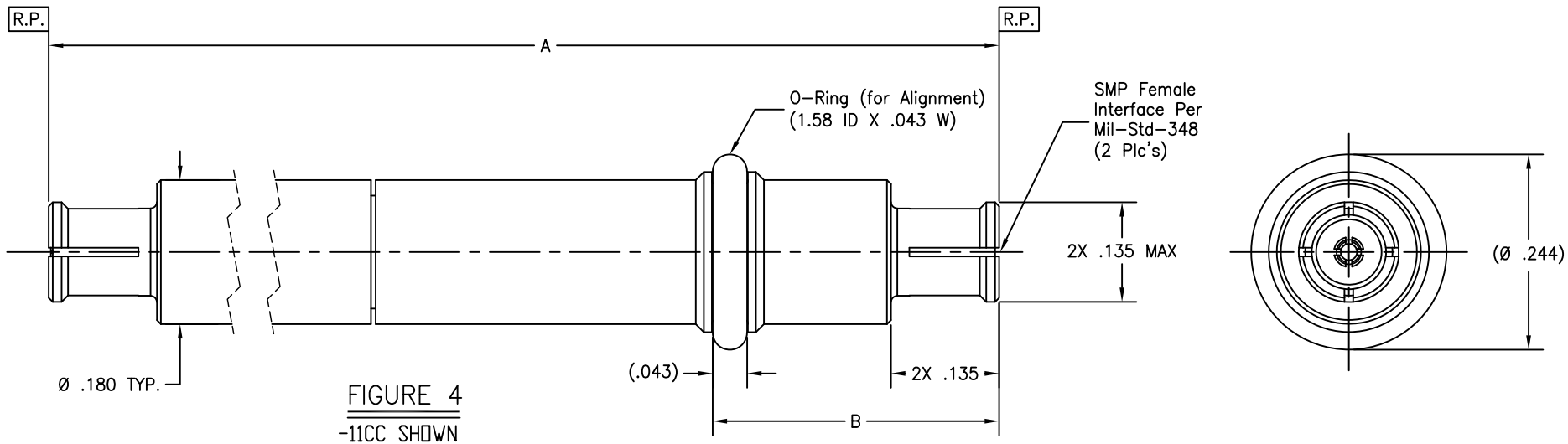


FIGURE 4
-11CC SHOWN

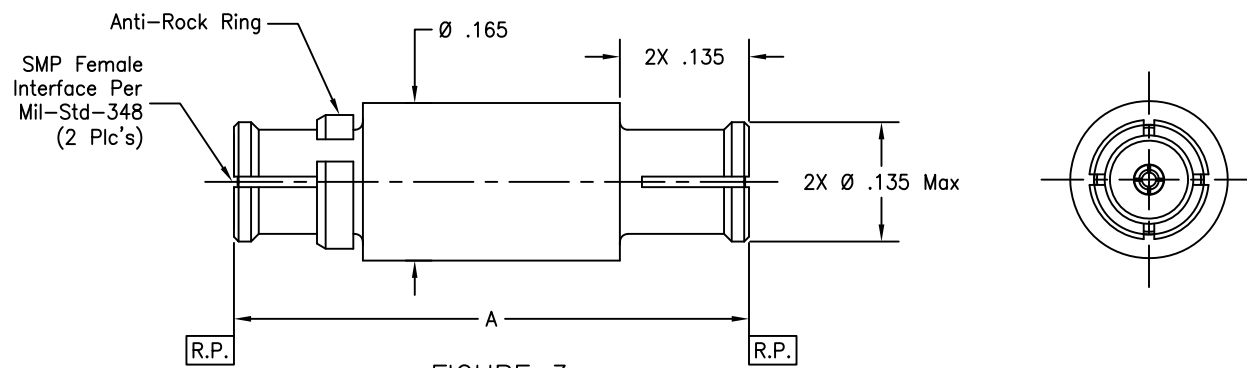


FIGURE 3

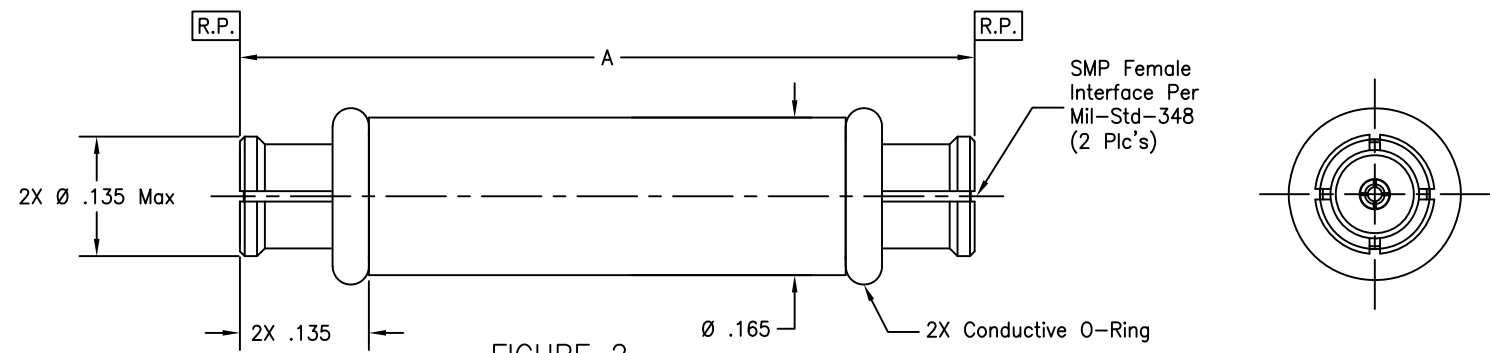


FIGURE 2

SCALE	DIRECTORY/SUB-DIRECTORY	SHEET	REV.
10:1	_OUTLINE/	2	G
SIZE	CAGE CODE	DRAWING NO.	
C	30990	P617	

4

3

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1