

P/N	A	B	C	FIGURE(S)
-1CC	.254	NR	NR	1
-2CC	.224	NR	NR	2
-3CC	.395	NR	NR	3
-4CC	.569	.235	.100	4
-5CC	.318	NR	NR	1
-6CC	.330	NR	NR	1
-7CC	.586	.118	.350	4

REVISIONS			
REV	DESCRIPTION	DATE	BY
E	ECO 28260 (ADD -5CC,-6CC)	11.14.14	DKN
F	ECO 29981 (ADD -7CC)	01.12.16	DKN
G	ECO 202352 (ADD NEW NAME)	11.27.24	DKN

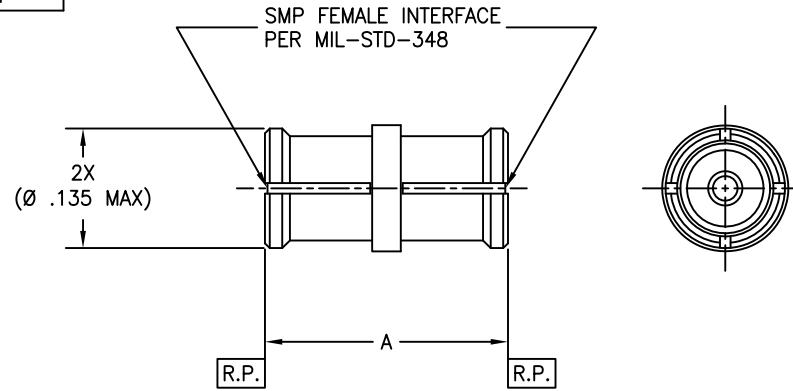


FIG 1

OTHER FIGURE(S) ON SHT 2

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Center Conductor; BeCu Alloy per ASTM B-196 Insulator: PTFE Teflon per ASTM D-1710	Impedance: 50 Ohms Nom. Freq. Range: DC TO 40 GHz VSWR: $1.10 + .012 \times f$ (GHz) Insertion Loss: $.04\sqrt{f}$ GHz Working Voltage: 335 Vrms @ Sea Level Insulation Resistance: 5000 Mohms Dielectric Withstand Voltage: 500 V rms RF HiPot Voltage: 325 Vrms Min @ 5MHz Corona Level: 190 Vrms @ 70,000 ft RF Leakage: -80 dB max to 3.0 GHz -65 dB max to 18.0 GHz Contact Resistance: Center contact: 6.0 Milliohms Outer Contact: 2.0 Milliohms	Interface Dimensions: Consult Factory Connector Durability: 500 Cycles Center Contact Retention: 2 lbs Min Axial N/A Radial Force to Engage and Disengage: 2.5 lbs Engage 1.5 lbs Disengage	Temp. 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 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 & Center Conductor; Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25 over nickel under plated per SAE AMS-QQ-N-290, Class 1, .000050 thick min.	<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 ANGULAR ± 1/2° FRACTION ± 1/32	APPROVAL INITIALS DRAWN BY BRD CHECKED BY TEST ENGG QUALITY DESIGN ENGG M.P. MFG ENGG ECO APPRY	DATE 02/13/96 03/27/00 11.27.24	TITLE Amphenol CDI SMP FEMALE-FEMALE STRAIGHT ADAPTER	12900 Alondra Blvd. Cerritos, CA 90703	SCALE 10/1 SIZE C CAGE CODE 30990 DRAWING NO. P650	SHEET 1 of 3 REV G
WORK STD	PROD INST	ASSY INST												
NA	NA	NA												
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. IT 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 IN OTHER PROJECTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY Amphenol CDI, Cerritos, CA 90703		1. MACHINE FINISH: 63/RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILETS .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 H-28. 9. REMOVE FRAISED EDGES ON TEFLON. 10. REMOVE ALL BURRS.	TITLE Amphenol CDI SMP FEMALE-FEMALE STRAIGHT ADAPTER		12900 Alondra Blvd. Cerritos, CA 90703	SCALE 10/1 SIZE C CAGE CODE 30990 DRAWING NO. P650	SHEET 1 of 3 REV G							

4

3

2

1

D

D

C

C

B

B

A

A

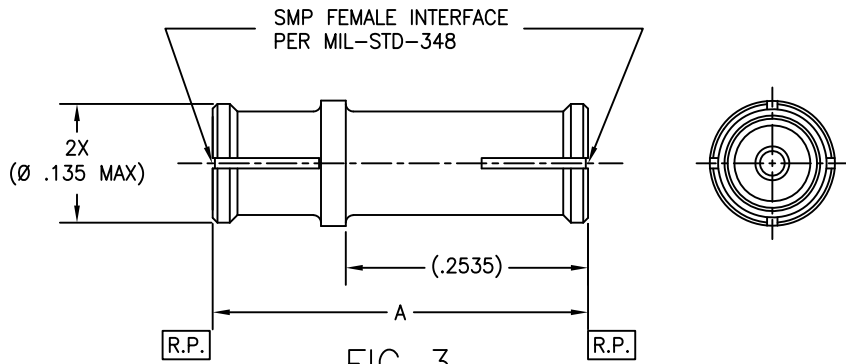


FIG 3

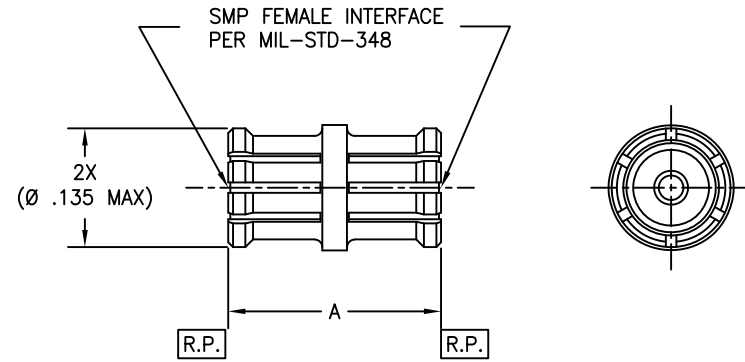


FIG 2

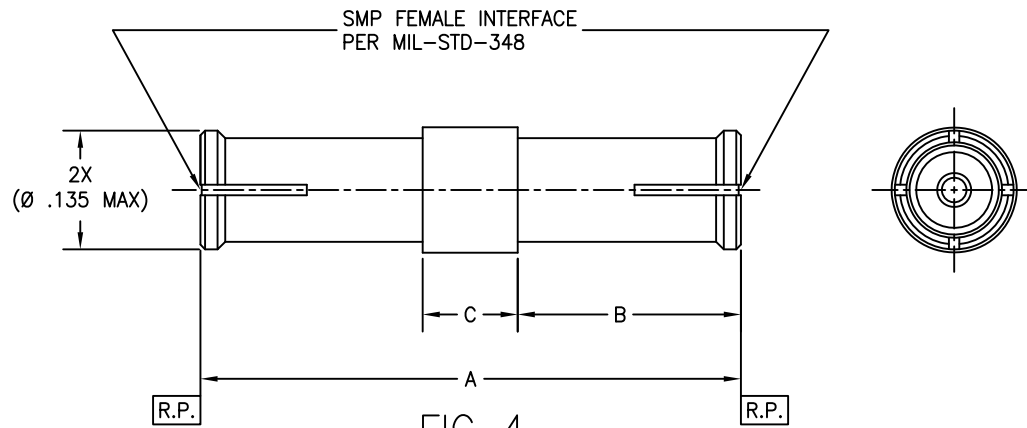


FIG 4

SCALE	DIRECTORY\SUB-DIRECTORY	SHEET 2	OF 3
10:1	OUTLINE\		
SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P650	G

4

3

2

1

S11 FORWARD REFLECTION

FGT

SWR

>REF=1.000U

500.000mU/DIV

CH 3 - S11
REF. PLANE
0.0000 mm

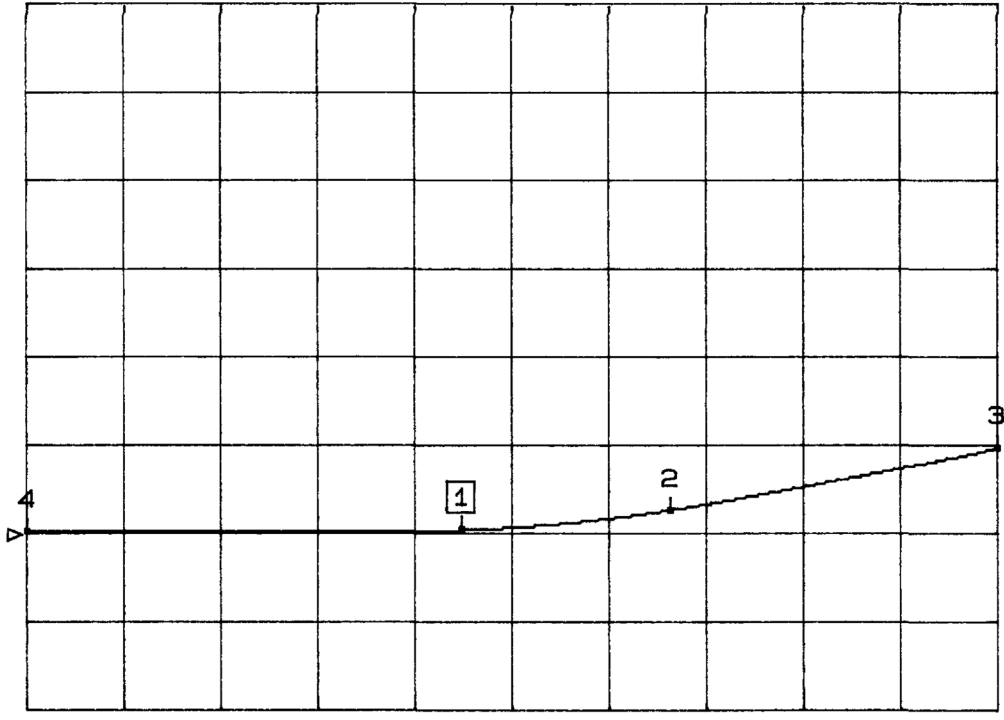
>MARKER 1
18.0000 GHz
1.019 U

MARKER TO MAX
MARKER TO MIN

2 26.5600 GHz
↓ 1.135 U

3 40.0000 GHz
↓ 1.486 U

4 0.0800 GHz
↓ 1.013 U



0.0800

GHZ

40.0000

FOR P650-1CC

SCALE	DIRECTORY\SUB-DIRECTORY	SHEET 3	OF 3
NONE	_OUTLINE\		
SIZE	CHG CODE	DRAWING NO.	REV.
C	30990	P650	G