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

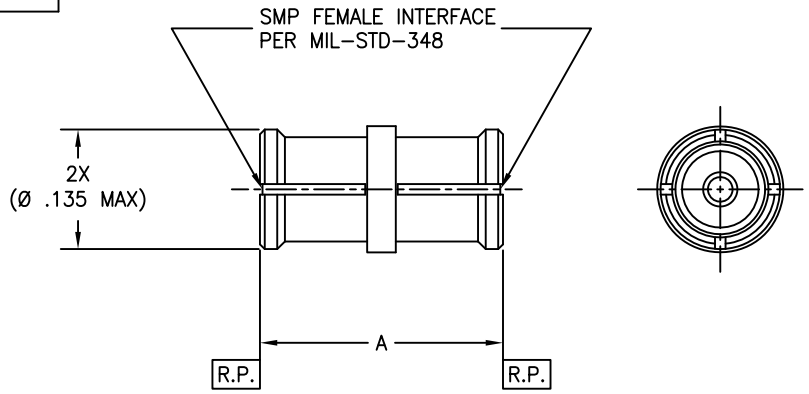


FIG 1

OTHER FIGURE(S) ON SHT 2

MATERIAL:

Body & Center Conductor;
BeCu Alloy per ASTM B−196
Insulator:
PTFE Teflon per ASTM D−1710

ELECTRICAL:

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 40 GHz
VSWR: 1.10 + .012 x f (GHz)
Insertion Loss: .04√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

MECHANICAL:

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

ENVIRONMETAL:

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:

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.

APPLICABLE Amphenol CDI DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

TOLERANCES AND NOTES EXCEPT AS NOTED

INTERPRET DRAWING PER ASME Y14.5−2018
DIMENSIONS ARE IN INCHES:
LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32

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.

–	–	–
MATERIAL	SPECIFICATION	PROCUREMENT

APPROVAL	INITIALS	DATE
DRAWN BY	BRD	02/13/96
CHECKED BY		
TEST ENGG		
QUALITY		
DESIGN ENGG	M.P.	03/27/00
MFG ENGG		
ECO APPRV	DNg	11.27.24

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SMP FEMALE−FEMALE STRAIGHT ADAPTER

SCALE 10/1 | DIRECTORY\SUB−DIRECTORY OUTLINE\ | SHEET 1 OF 3

SIZE C | CAGE CODE 30990 | DRAWING NO. P650 | REV. G

ENG−DWG REV. H

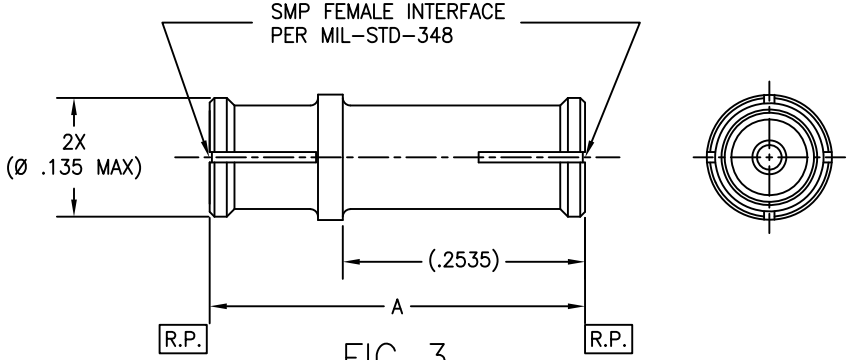


FIG 3

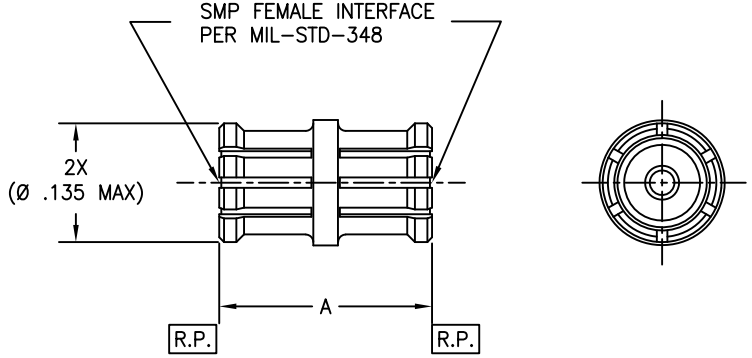


FIG 2

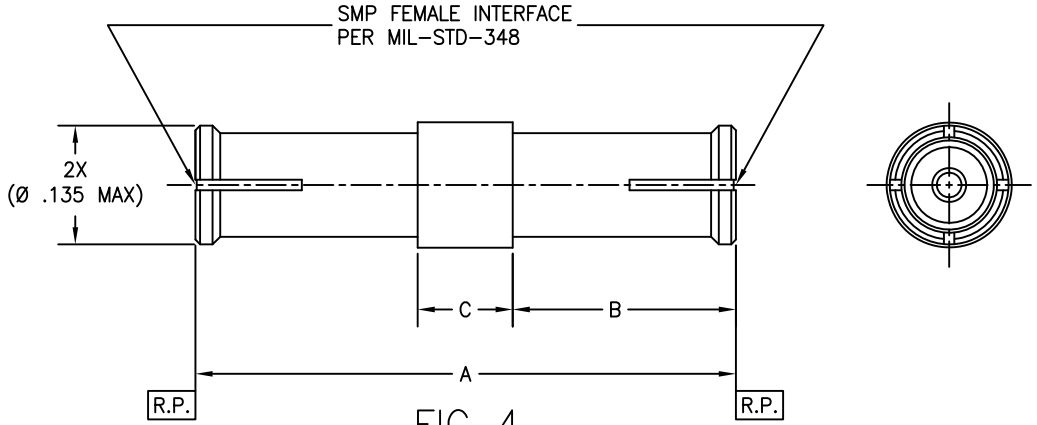
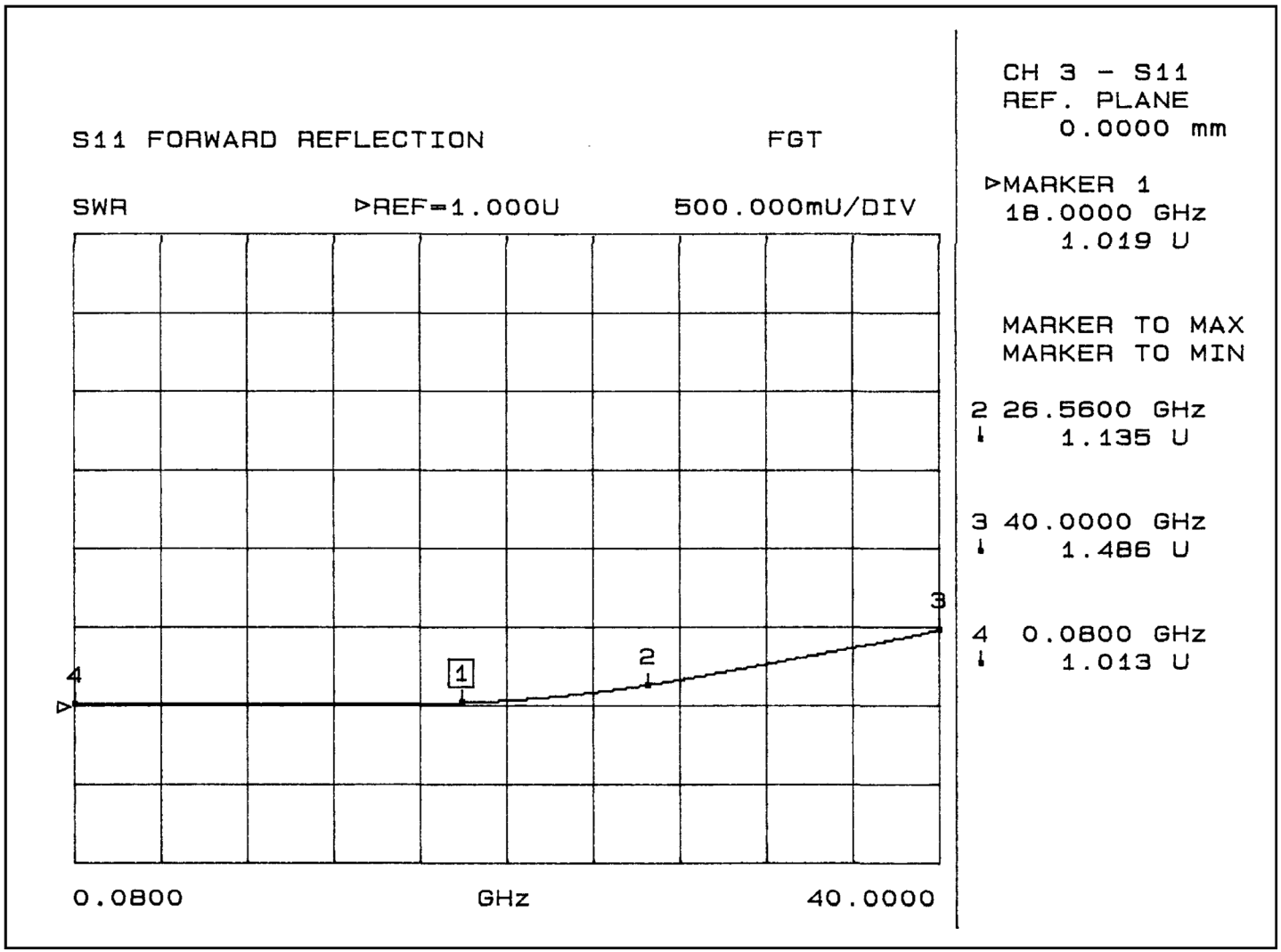


FIG 4

SCALE	DIRECTORY\SUB-DIRECTORY	SHEET	OF
10:1	OUTLINE\	2	3

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P650	G

ENG-DWG REV. H



FOR P650-1CC

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

ENG-DWG REV. H