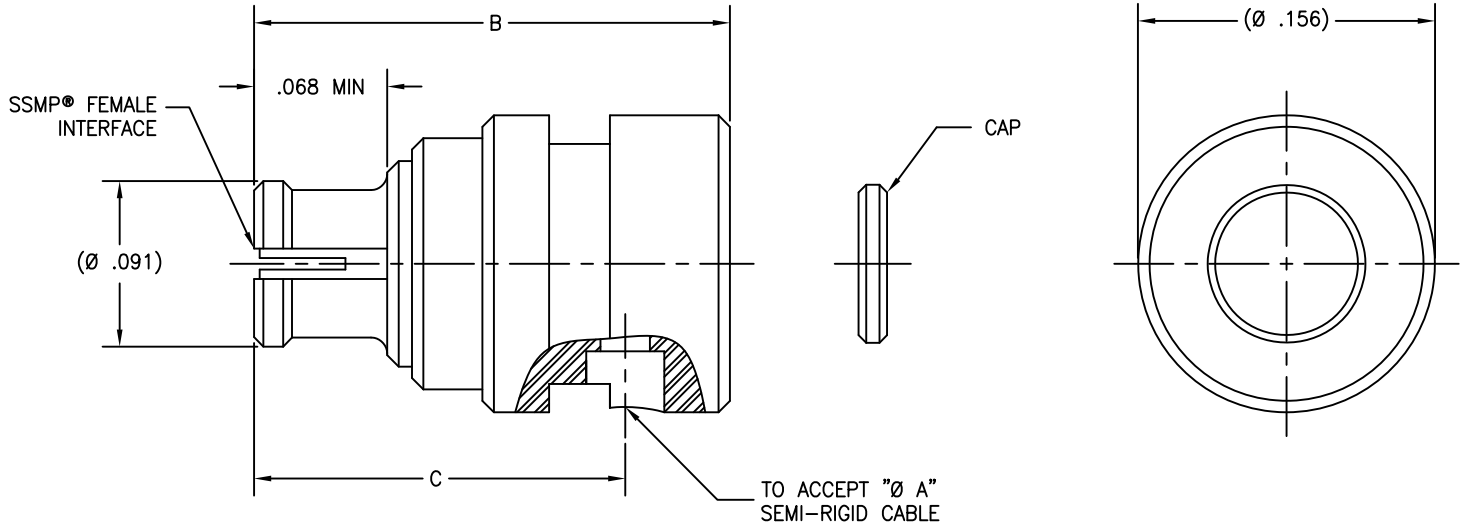
P/N	Ø A	B	C
−1CC	.047	.250	.195
−2CC	.085	.250	.195
−3CC	.047 L/L	.178	.126

REVISIONS			
REV	DESCRIPTION	DATE	BY
G	ECO 25377	02.22.12	DKN
H	ECO 26772(CHG INSERT LOSS)	3.18.13	YP
J	ECO 202420 (ADD NEW NAME)	12.17.24	DKN



Note:

1. Cap to be packaged and shipped unassembled.

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MATERIAL:

Body, Center Conductor & Cap:
BeCu alloy per ASTM B−196
Insulator:
PTFE per ASTM D−1710

ELECTRICAL:

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 22 GHz
VSWR: 1.25:1 to 18 GHz (for −1CC & −2CC)
1.15:1 to 22 GHz (for −3CC)
Insertion Loss: .15 dB Max. to 22 GHz
Working Voltage: 600 Vrms @ Sea Level
150 Vrms @ 70,000 ft.
Dielectric Withstand Voltage: 500 V rms
RF HiPot Voltage: 325 Vrms Min @ 5MHz
Corona Level: 190 Vrms @ 70,000 ft
Insulation Resistance: 5000 Mohms
Contact Resistance:
Center Conductor: 6.0 Milliohms
RF Leakage: −80 dB Max. to 3 GHz
−65 dB Max. to 18 GHz

MECHANICAL:

Mating Characteristic:
Interface per Carlisle IT WS134.
Connector Durability:
Detent: 100 Cycles.
Smooth Bore: 500 Cycles.
Force To Engage:
Detent: 6.5 lbs max.
Smooth Bore: 2.5 lbs max.
Force To Disengage:
Detent: 4.0 lbs min.
Smooth Bore: 1.5 lbs min.

ENVIRONMENTAL:

Temp. Range: −65°C to +165°C
Thermal Shock:
MIL−STD−202, Method 107, Test Cond. C
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 & Cap:
Gold plate per ASTM B−488, Type II, Code C or D; Over nickel under plate per SAE−AMS−QQ−N−290, Class 1.

APPLICABLE AMPHENOL CDI DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	AI−683

NOTICE

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−2B.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

MATERIAL	SPECIFICATION	PROCUREMENT
−	−	−

APPROVAL	INITIALS	DATE
DRAWN BY	ATV	09.16.98
CHECKED BY		
TEST ENGG		
QUALITY		
DESIGN ENGG	SMP	02.23.12
MFG ENGG		
ECO APPRV	DNg	12.17.24

Amphenol CDI
12900 Alondra Blvd.
Cerritos, CA 90703

TITLE: SSMP FEMALE MITER RIGHT ANGLE TO SEMI−RIGID CABLE

SCALE: 20:1 | DIRECTORY\SUB−DIRECTORY: _OUTLINE\ | SHEET 1 OF 1

SIZE: C | CAGE CODE: 30990 | DRAWING NO.: P105 | REV.: J

ENG−DWG REV. H