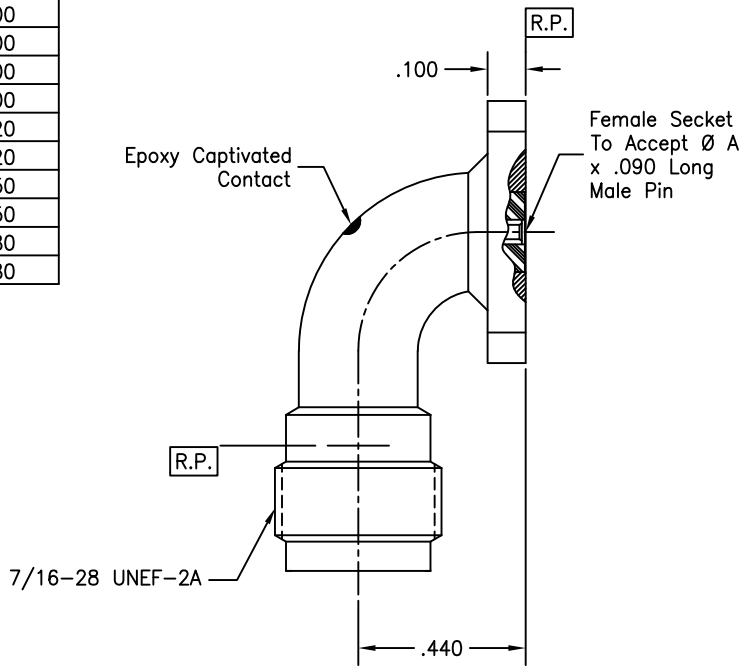
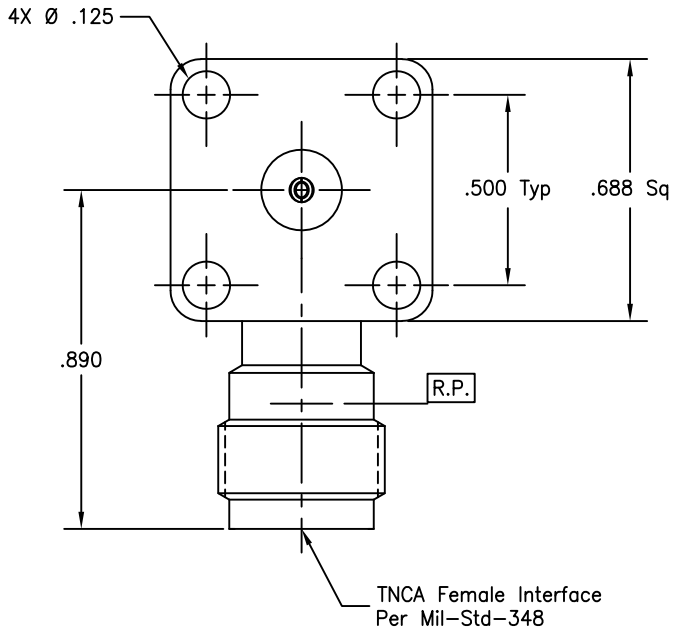
P/N	Ø A±.0005
−1SF	.0360
−1CCSF	.0360
−2SF	.0200
−2CCSF	.0200
−3SF	.0100
−3CCSF	.0100
−4SF	.0120
−4CCSF	.0120
−5SF	.0150
−5CCSF	.0150
−6SF	.0180
−6CCSF	.0180

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	ECO 26843 (ADD SPEC)	04.18.13	DKN
B	ECO 202420 (ADD NEW NAME)	12.16.24	DKN





MATERIAL(S):

Body:
Casting, 303 sst per ASTM A−743 or ASTM A−744.

Ring:
303 sst per ASTM A 582.

Center Conductor:
BeCu Alloy per ASTM B 196.

Dielectric:
PTFE per ASTM D 1710.

Epoxy: (for CCSF's)
Sigma VF, No. 1, Type HV.

ELECTRICAL(S):

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 18 GHz
VSWR: 1.15 + .005 x f(GHz)
Insertion Loss: 0.25 dB max @ 18GHz
Working Voltage: 500 Vrms @ Sea Level
Dielectric Withstand Voltage: 1,500 V rms
RF HiPot Voltage: 1,000 Vrms Min @ 5MHz
Corona Level: 375 Vrms @ 70,000 ft
Insulation Resistance: 5,000 Mohms
RF Leakage: −60 dB min from 2~3 GHz.
Contact Resistance Center Conductor:
Before Environmental: 3.0 Milliohms
After Environmental: 4.0 Milliohms

MECHANICAL(S):

Interface Dimensions:
Mil−Std−348

Connector Durability:
500 Cycles

Force to Engage and Disengage:
2 inch−lbs max

Center Contact Retention:
Axial Force: 6 lbs Min
Radial Torque: 4 inch−ounces

ENVIRONMENTAL(S):

Temp. Range: −65°C to +125°C (All Captivated)
−65°C to +165°C (Basic & SF)
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(ES):

Body & Ring:
Passivated per ASTM A 967, Nitric 1.

Center Conductor:
Gold plate per ASTM B 488, Type II, Code C or D, Class 1.25, over nickel under plate 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 .063 MAX.
3. MACHINED FILLETS .(.062) 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	IMG	04.11.02	Amphenol CDI	12900 Alondra Blvd. Cerritos, CA 90703	
CHECKED BY					
TEST ENGG					
QUALITY					
DESIGN ENGG	ATV	11.22.02			
MFG ENGG					
ECO APPRV	DNg	12.16.24			

TITLE: TNCA FEMALE RADIUS RIGHT ANGLE 4 HOLE FLANGE (.688 SQ.) MOUNT FIELD REPLACEABLE

SCALE	DIRECTORY\SUB−DIRECTORY	SHEET	OF
4/1	_OUTLINE/	1	1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	9042	B

ENG−DWG REV. H