

4

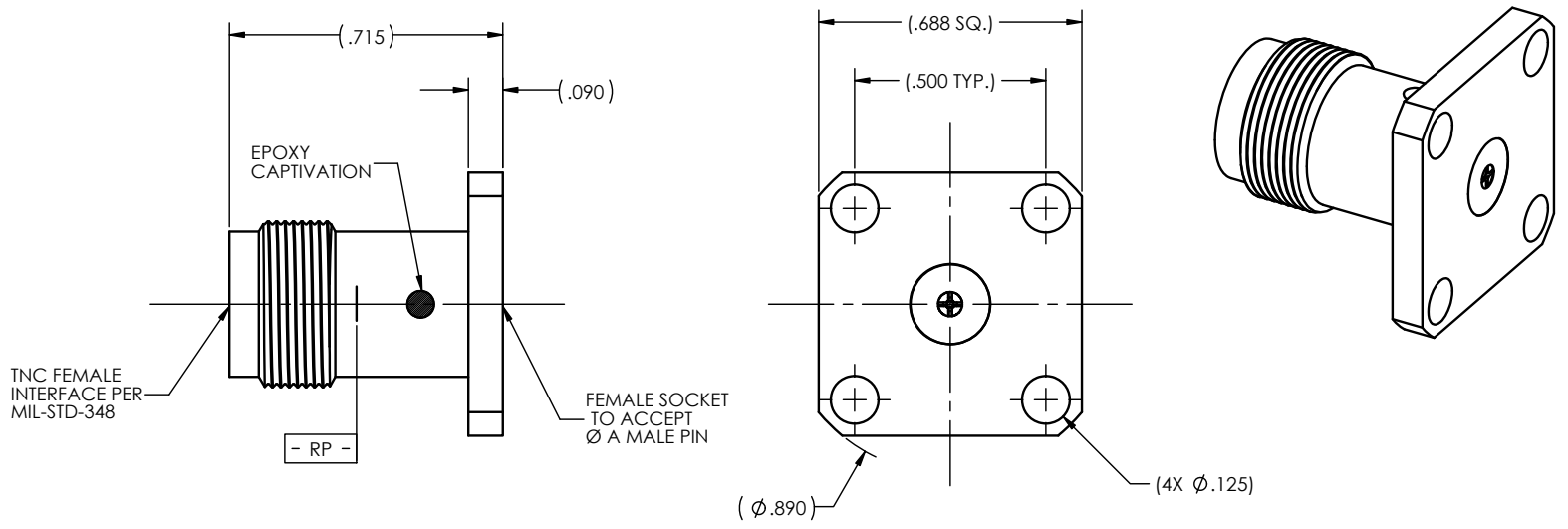
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1

PART NO.	Ø A
-1CC	.0360±.0005
-1CCSF	.0360±.0005
-1CCCESF	.0360±.0005
-2CCSF	.0200±.0005
-2CCCESF	.0200±.0005
-3CCSF	.0100±.0005
-4CCSF	.0120±.0005
-5CC	.0150±.0005
-5CCSF	.0150±.0005
-6CCSF	.0180±.0005

REVISIONS			
REV.	DESCRIPTION	DATE	BY
B	ECO 27761 (ADD SPEC)	04/09/14	YP
C	ECO 202352 (ADD NEW NAME)	11.25.24	DKN



MATERIAL(S):

Body:
303 SST per ASTM A-582
Center Conductor:
BeCu Alloy per ASTM B-196
Dielectric:
PTFE Teflon per ASTM D-1710
Epoxy:
Sigma VF type HV
Conductive Epoxy:
(for CCCE's) Eccobond C56

ELECTRICAL(S):

Impedance: 50 Ohms Nominal
Frequency Range: DC to 18.0 GHz
VSWR: 1.35:1 Max to 18 GHz
Insertion Loss: .25 dB max @ 18 GHz
Working Voltage: 500 Vrms max @ Sea Level
Dielectric Withstand Voltage: 1,500 Vrms min.
RF HiPot Voltage: 1,000 Vrms min. @ 5MHz
Corona Level: 375 Vrms @ 70,000 ft
Insulation Resistance: 5000 MegOhms min.
RF Leakage: -(65 -fGHz) dB min.
Contact Resistance:
Initial:
Center Contact: 3.0 Milliohms max
Outer Contact: 2.0 Milliohms max
After Environment:
Center Contact: 4.0 Milliohms max
Outer Contact: NA

MECHANICAL(S):

Mating Characteristics:
Interface per MIL-STD-348
Force to Engage & Disengage:
Torque: 2 inch-pounds max
Longitudinal Force: NA
Connector Durability:
500 Cycles min. @ 12 cycles/minute max
Permeability: Less than 2.0 mu.
Center Contact Captivation:
Axial Force: 6 pounds min.
Radial Torque: 4 inch-ounces min.

ENVIRONMENTAL(S):

Temperature Range: -65°C to +125°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition 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 Condition B
Vibration:
MIL-STD-202, Method 204, Test Condition D
Shock:
MIL-STD-202, Method 213, Test Condition I

FINISH(ES):

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.
Body:
(for SF's): Passivate per ASTM A-967 or SAE-AMS 2700.
(for CC's): Gold plate per ASTM B-488, type II, code C or D, Class 0.25 over Nickel
under plate per SAE AMS-QQ-N-290, class 1.

APPLICABLE Amphenol CDI DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

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TOLERANCES AND NOTES

- EXCEPT AS NOTED DIMENSIONS ARE IN INCHES.
XX ±.015
LINEAR XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32
INTERPRET DRAWING PER ASME Y14.5 - 2018
1. MACHINE FINISH: ✓ 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 TLR.
 6. DIMENSIONS TO BE MET BEFORE PLATING.
 7. CHAMFER ALL THREADS 45°.
 8. THREADS PER H-28
 9. REMOVE FRAVED EDGES ON TEFLON.
 10. REMOVE ALL BURRS.

MATERIAL	SPECIFICATION	PROCUREMENT
APPROVAL INITIALS	DATE	
DRAWN BY YPHAN	04.09.14	
CHECKED BY		
TEST ENGR		
QUALITY		
DESIGN ENG DNg	04.09.14	
MFG ENGR		
ECO APPRV DNg	11.25.24	

Amphenol 12900 Alondra Blvd. Cerritos, CA 90703

TITLE: **TNCA FEMALE 4 HOLE FLANGE MOUNT FIELD REPLACEABLE**

SCALE: 4:1
SUB-DIRECTORY/OUTLINE/ SHEET 1 OF 1

SIZE: C
CAGE CODE: 30990
DRAWING NO.: 9080
REV.: C