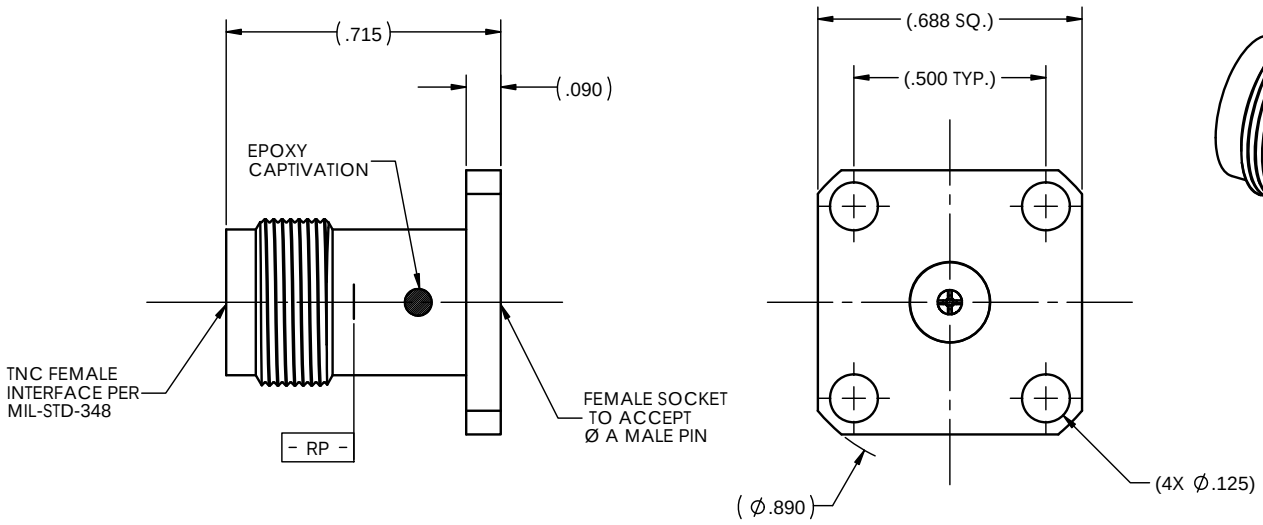
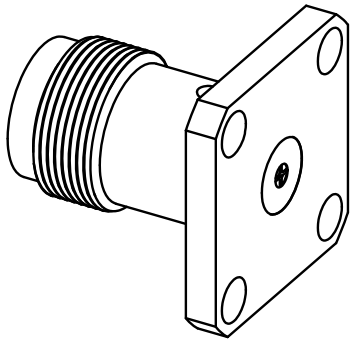
PART NO.	Ø A
-1CC	.0360±.0005
-1CCSF	.0360±.0005
-1CCCESF	.0360±.0005
-2CCSF	.0200±.0005
-2CCCESF	.0200±.0005
-3CCSF	.0100±.0005
-4CCSF	.0120±.0005
-5CC	.0150±.0005
-5CCSF	.0150±.0005
-6CCSF	.0180±.0005

REVISIONS			
REV.	DESCRIPTION	DATE	BY
B	ECO 27761 (ADD SPEC)	04/09/14	YP





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: NA

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 CARLISLE IT DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
-		

NOTICE
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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
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	YPHAN	04.09.14
CHECKED BY	-	-
TEST ENGR	-	-
QUALITY	-	-
DESIGN ENG	DNg.	04.09.14
MFG. ENGR	-	-
ECO APPRV	DNG	04.09.14

CARLISLE Interconnect Technologies
Cerritos, CA 90703

TITLE: TNC FEMALE STRAIGHT 4 HOLES FLANGE MOUNT FIELD REPLACEABLE

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

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

ENG–SW REV. E