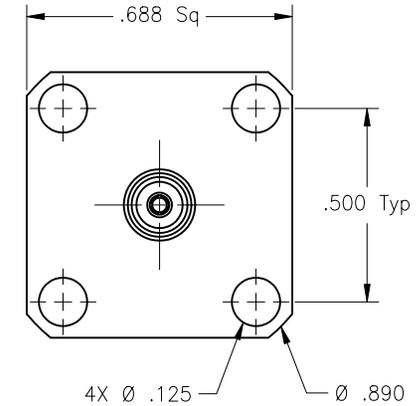
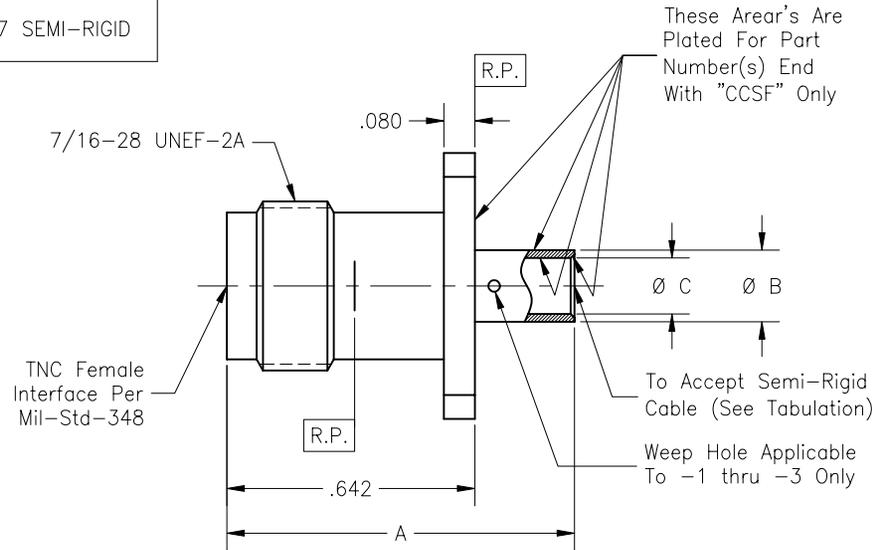


P/N	A	Ø B	Ø C	CABLE TYPE(S)
-1CC	.900	.185	.145	Ø .141 SEMI-RIGID
-1CCSF	.900	.185	.145	
-2CC	.900	.185	.090	Ø .085 SEMI-RIGID
-2CCSF	.900	.185	.090	
-3CC	.900	.185	.145	Ø .141 MICROPOROUS
-3CCSF	.900	.185	.145	
-4CC	.740	.090	.050	Ø .047 SEMI-RIGID
-4CCSF	.740	.090	.050	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	D	ECO 22486	09.29.09	P.MAO



**MATERIAL(S):**  
 Body: 303 sst per ASTM A-582.  
 Center Conductor: BeCu alloy per ASTM B-196.  
 Insulator: PTFE per ASTM D-1710.  
 Insert (For -4CC & -4CCSF): BeCu alloy per ASTM B-196.

**ELECTRICAL:**  
 Impedance: 50 Ohms nominal.  
 Frequency Range: DC to 18.0 GHz.  
 VSWR: 1.25:1 max to 15GHz.  
 Insertion Loss:  $.06\sqrt{f(\text{GHz})}$  dB max @ 3GHz.  
 Working Voltage: 500 Vrms max @ sea level.  
 Dielectric Withstanding Voltage: 1,500 Vrms min.  
 R.F. HiPot Voltage: 1,000 Vrms min @ 5MHz.  
 Corona Level: 375 Vrms @ 70,000 ft.  
 Insulation Resistance: 5,000 MegOhms min.  
 R.F. Leakage:  $-(90 - f\text{GHz})$  dB min.  
 Contact Resistance:  
 Center Conductor:  
 Before Environment: 3.0 Milliohm max.  
 After Environment: 4.0 Milliohm max.  
 Outer Conductor:  
 Before Environment: 2.0 Milliohm max.  
 After Environment: NA

**MECHANICAL:**  
 Mating Characteristics:  
 Interface per Mil-Std-348.  
 Force To Engage & Disengage:  
 Torque: 2 inch-pounds max.  
 Longitudinal Force: NA.  
 Center Contact Retention:  
 Axial Force: 6 pounds min.  
 Connector Durability:  
 500 cycles min @ 12 cycles/minute max.  
 Permeability: Less than 2.0 mu.  
 Center Conductor Captivation:  
 Axial: 6 lbs min @ Front end;  
 3 lbs max @ Rear end.  
 Radial: 4 Inch Ounces max.

**ENVIRONMENTAL:**  
 Temperature Range: -65°C to +165°C.  
 Thermal Shock:  
 Mil-Std-202, Method 107, Test Cond. C.  
 Moisture Resistance:  
 Mil-Std-202, Method 106, No measurements at high humidity. Insulation resistance shall be at least 200 MegOhms within 5 minutes after removal from humidity.  
 Corrosion:  
 Mil-Std-202, Method 101, Test Cond. B.  
 Vibration:  
 Mil-Std-202, Method 204, Test Cond. B.  
 Shock:  
 Mil-Std-202, Method 213, Test Cond. I.

**FINISH(ES):**  
 Body:  
 (For CCSF's): Zone plated on areas as noted.  
 (For Basic, CC's & Insert): Gold plate per ASTM B-488, Type II, Code C, over nickel under plate per SAE AMS-QQ-N-290, class 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.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

**TOLERANCES AND NOTES EXCEPT AS NOTED**  
 DIMENSIONS ARE IN INCHES.  
 LINEAR .XX ±0.015 ANGULAR ± 1/2°  
 FRACTION ± 1/32

- MACHINE FINISH:  $\sqrt{63}$  RMS
- BREAK ALL SHARP EDGES .003 MAX.
- MACHINED FILLETS: .005 MAX.
- MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
- MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
- DIMENSIONS TO BE MET BEFORE PLATING.
- CHAMFER ALL THREADS 45°.
- THREADS PER H-28.
- REMOVE FRAYED EDGES ON TEFLON.
- REMOVE ALL BURRS.

**NOTICE**  
 THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE INTO THEIR PROJECTS ANY SPECIAL FEATURE PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, LONG BEACH, CA 90815

MATERIAL		SIZE	SPECIFICATION	PROCUREMENT
APPROVAL INITIALS	DATE			
DRAWN BY: RC	04.09.02	TITLE: TNC FEMALE 4 HOLE FLANGE MOUNT TO SEMI-RIGID CABLE		
CHECKED BY: P.MAO	01.08.10	SCALE: 4:1	SIZE: C	SHEET 1 OF 1
DESIGN ENGG: DNg	09.15.10	DRAWING NO. 9012		
MFG ENGG		CAGE CODE: 30990		REV. D