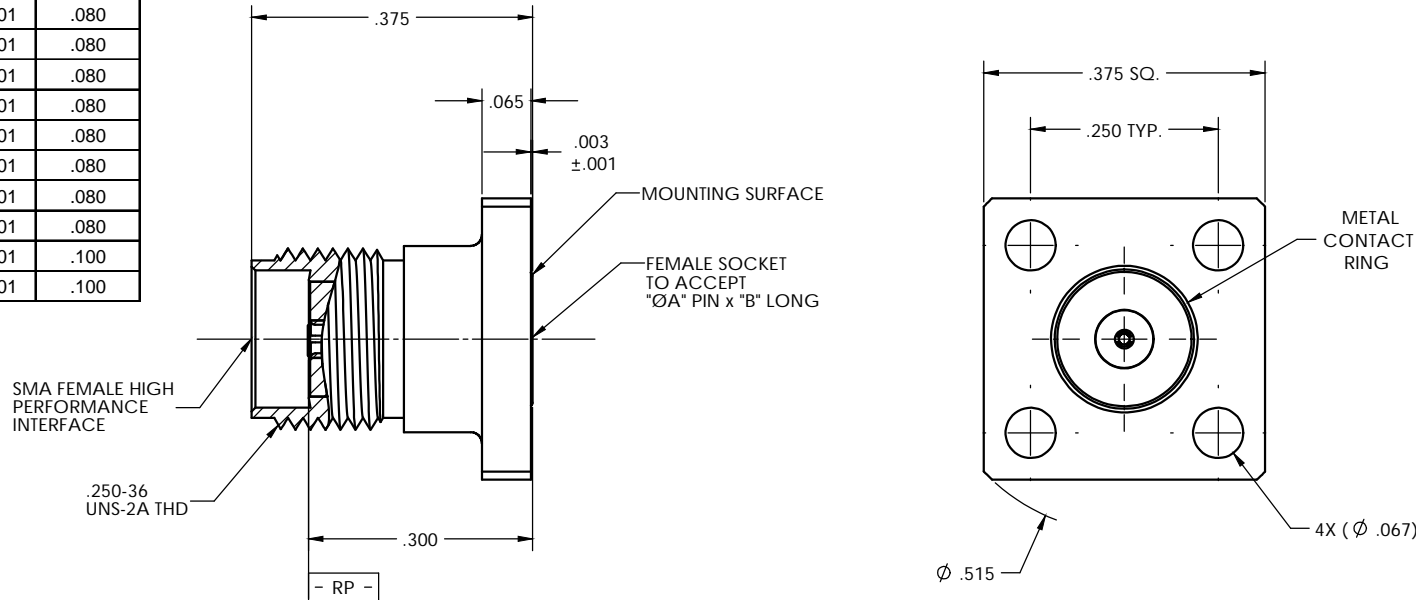


PART NO.	Ø A	B Max.
-1CC	.009±.001	.080
-1CCSF	.009±.001	.080
-2CC	.012±.001	.080
-2CCSF	.012±.001	.080
-3CC	.015±.001	.080
-3CCSF	.015±.001	.080
-4CC	.018±.001	.080
-4CCSF	.018±.001	.080
-5CC	.020±.001	.080
-5CCSF	.020±.001	.080
-6CC	.036±.001	.100
-6CCSF	.036±.001	.100

REVISIONS			
REV	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	05.17.10	HT



MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body; Insert: 303 SST per ASTM A- 582 Center Conductor: BeCu Alloy per ASTM B- 196 Insulator: PTFE Teflon per ASTM D- 1710 Bead: Ultem 1000 per ASTM 5205	Impedance: 50 Ohms Nom. Freq. Range: DC TO 27 GHz VSWR: 1.10:1 max to 18 GHz 1.15:1 max 18 to 27 GHz Insertion Loss: .035/√f (GHz) dB max. Working Voltage: 335 Vrms max @ Sea Level Dielectric Withstand Voltage: 1000 Vrms min. RF HiPot Voltage: 670 Vrms min. @ 5MHz Corona Level: 250 Vrms @ 70,000 ft Insulation Resistance: 5000 MegaOhms min. R.F. Leakage: - (100 - fGHz). Contact Resistance: Center Conductor: Before Environmental: 6.0 Milliohms After Environmental: 8.0 Milliohms Outer Contact: Before 2.0 Milliohms	Mating Characteristics: SMA high performance Force To Engage: Torque: 2 inch-pounds max. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu Center Contact Captivation: Axial Force from Interface: 6 pounds min. Rotational Captivation: Torque: 4 inch-ounces min.	Temp. Range: - 65°C to +165°C Thermal Shock: MIL- STD- 202, Method 107, Test Cond. 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 Cond. B Vibration: MIL- STD- 202, Method 204, Test Cond. D Shock: MIL- STD- 202, Method 213, Test Cond. I

FINISH:		APPLICABLE CARLISLE IT DOCUMENTS		TOLERANCES AND NOTES EXCEPT AS NOTED								
		WORK STANDARD	PROD INSTRUC	ASSY INSTRUC	DIMENSIONS ARE IN INCHES. XX ± .005 ANGULAR ± 1/2° LINEAR .XXX ± .005 FRACTION ± 1/32		MATERIAL		SIZE	SPECIFICATION	PROCUREMENT	
		NA	NA	NA			APPROVAL INITIALS DATE		Interconnect Technologies Long Beach, CA 90815			
Body (for CCSF): Passivate per ASTM A- 967.					1. MACHINE FINISH: 63 RMS		DRAWN BY HT 05.17.10		TITLE			
Body (for CC): Goldplate per ASTM B- 488, over nickel under plate per SAE AMS- QQ- N- 290.					2. BREAK ALL SHARP EDGES .003 MAX.		CHECKED BY - -		SMA FEMALE, HIGH PERFORMANCE 4 HOLE FLANGE MOUNT (.375 SQ), FIELD REPLACABLE			
		NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES & ALL DESIGN, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE, AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON OR TO INCORPORATE ANY OTHER PROJECTS. SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, CARLISLE, CALIFORNIA.				3. MACHINED FILLETS .005 MAX.		TEST ENGR		SCALE		
Center Conductor Goldplate per ASTM B- 488, over nickel under plate per SAE AMS- QQ- N- 290.					4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.		QUALITY		SUB-DIRECTORY FILE NAME			
					5. MACHINED DIAMETERS CONCENTRIC WITHIN .001 I.D.		DESIGN ENGR HT 12.13.10		8:1		SHEET 1 OF 1	
					6. DIMENSIONS TO BE MET BEFORE PLATING.		MFG. ENGR		C 30990		REV. -	
					7. CHAMFER ALL THREADS 45°				DRAWING NO. H5638			
					8. THREADS PER H-28							
					9. REMOVE FRAYED EDGES ON TEFLON.							
					10. REMOVE ALL BURRS.							