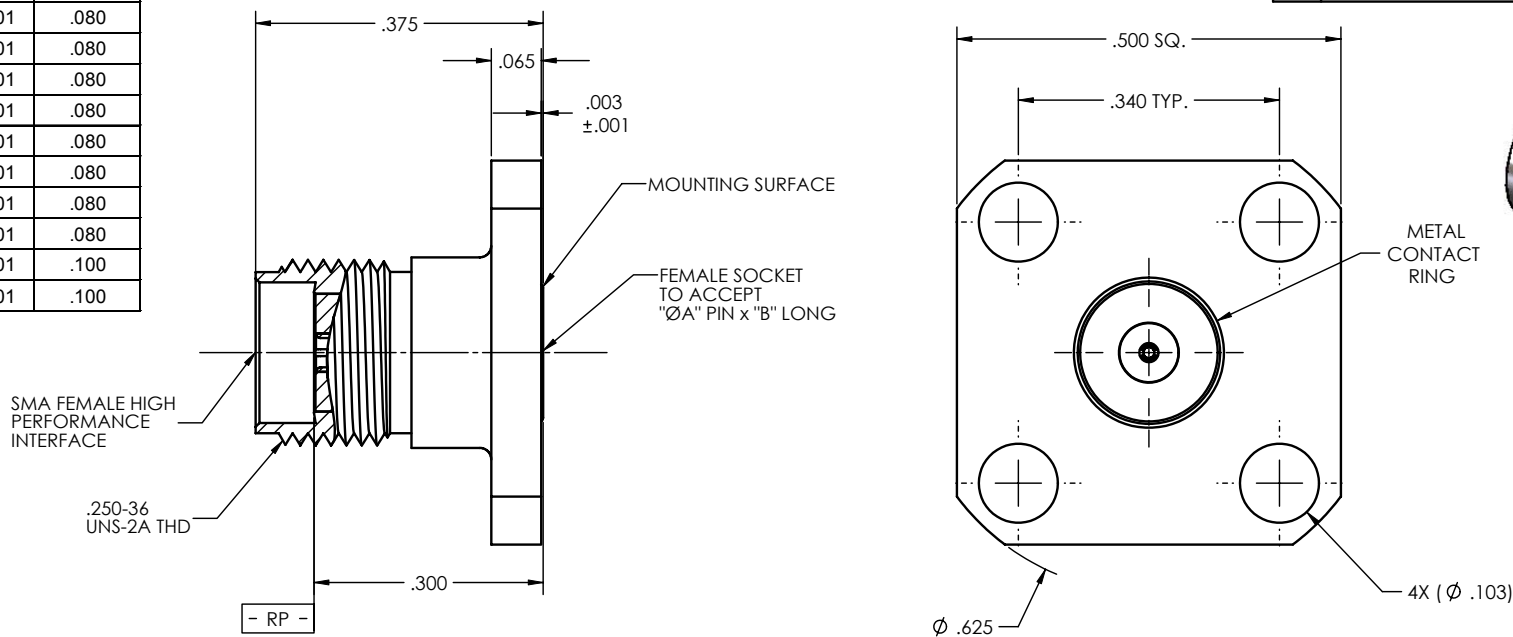


PART NO.	Ø A	B Max.
-1CC	.009±.001	.080
-1CCSF	.009±.001	.080
-2CC	.012±.001	.080
-2CCSF	.012±.001	.080
-3CC	.015±.001	.080
-3CCSF	.015±.001	.080
-4CC	.018±.001	.080
-4CCSF	.018±.001	.080
-5CC	.020±.001	.080
-5CCSF	.020±.001	.080
-6CC	.036±.001	.100
-6CCSF	.036±.001	.100

REVISIONS			
REV	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	05.17.10	YP



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 MiliOhms	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	APPROVAL	SIZE	SPECIFICATION	PROCUREMENT
Body (for CCSF): Passivate per ASTM A-967. Body (for CC): Goldplate per ASTM B-488, over nickel under plate per SAE AMS-QQ-N-290. Center Conductor Goldplate per ASTM B-488, over nickel under plate per SAE AMS-QQ-N-290.	WORK STANDARD NA PROD INSTRU NA ASSY INSTRU NA	EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ± .015 ANGULAR ± 1/2° FRACTION ± 1/32 1. MACHINE FINISH: $\sqrt{}$ 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 TLR. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. CHAMFER ALL THREADS 45°. 8. REMOVE FRAYED EDGES ON TEFLON. 9. REMOVE ALL BURRS.	MATERIAL APPROVAL INITIALS DRAWN BY YPHAN TEST ENGR DATE 05.17.10 QUALITY DESIGN ENGR HT MFG ENGR	8:1 C 30990	Interconnect Technologies Long Beach, CA 90815 SMA FEMALE, HIGH PERFORMANCE 4 HOLE FLANGE MOUNT (.500 SQ), FIELD REPLACABLE SUB-DIRECTORY\FILE NAME OL/ SHEET 1 OF 1 DRAWING NO. H5610	REV. -