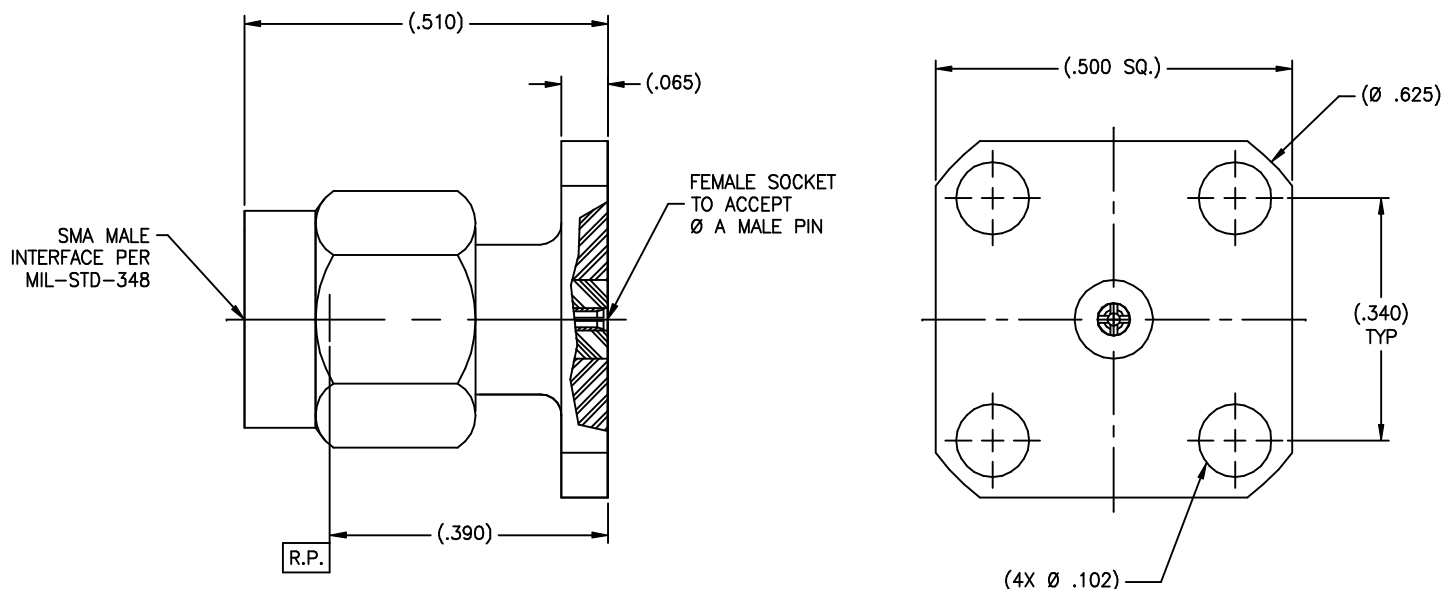


P/N	Ø A
-2CC	.0200±.0005
-2CCSF	.0200±.0005
-3CC	.0100±.0005
-3CCSF	.0100±.0005
-4CC	.0120±.0005
-4CCSF	.0120±.0005
-5CC	.0150±.0005
-5CCSF	.0150±.0005
-6CC	.0180±.0005
-6CCSF	.0180±.0005

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-



MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Coupling Nut: SST 303 per ASTM A-582. Center Conductor & Retaining Ring: BeCu alloy per ASTM B-196. Insulator: PTFE per ASTM D-1710. Gasket: Silicone Rubber per A-A-59588.	Impedance: 50 Ohms nominal. Frequency Range: DC to 26.0 GHz. VSWR: 1.05 + .010 x f(GHz). DC-18GHz 1.15 + .020 x f(GHz). 19-26GHz Insertion Loss: .03 √f(GHz). Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1500 Vrms min. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 375 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -90 dB from 2-3 GHz Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max.	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 lbs min. from interface end 3 lbs min. from rear end Torque: 4 inch-ounces min.	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 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. D. Shock: Mil-Std-202, Method 213, Test Cond. I.

FINISH:
Body & Coupling Nut: (for CCSF): Passivate per ASTM A-967. Body & Coupling Nut: (for CC): Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290. Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

APPLICABLE TENSOLITE DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

TOLERANCES AND NOTES EXCEPT AS NOTED	
DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 .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 .002 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 N-28 9. REMOVE FINISHED EDGES ON TEFLON. 10. REMOVE ALL BURRS.

NOTICE	
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APPROVAL INITIALS		DATE	SIZE		SPECIFICATION		PROCUREMENT	
DRAWN BY	ATV	12.04.07	8/1		HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS		Long Beach, California 90815	
CHECKED BY			TITLE		SMA MALE STRAIGHT 4 HOLE FLANGE		(500 SQ.) MOUNT FIELD REPLACEABLE	
TEST ENGG			SCALE		SUB-DIRECTORY/FILENAME		SHEET 1 OF 1	
DESIGN ENGG	ATV	12.11.07	SIZE		CAGE CODE		DRAWING NO.	
MFG ENGG			C 30990		5666		REV.	