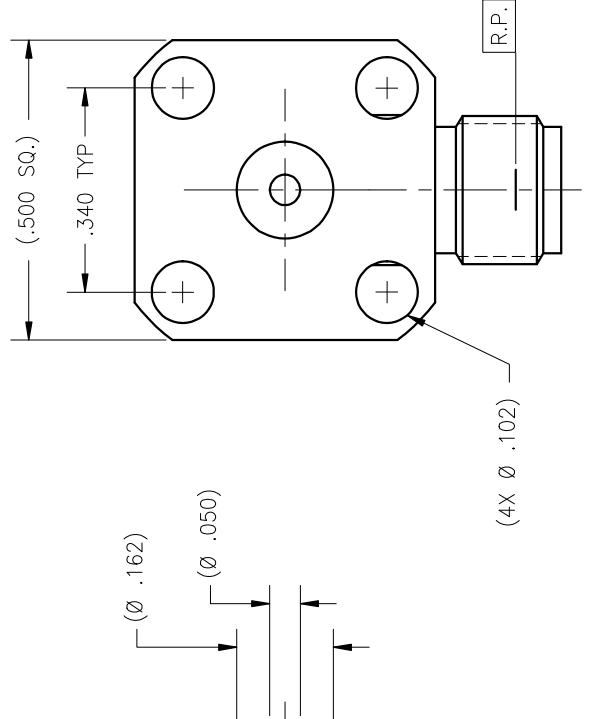


P/N	
BASIC	
SF	
CC	
CCSF	
CCCE	
CCCESF	

REVISIONS		DATE	BY
ZONE	REV	DESCRIPTION	
-	A	ECO 20030	DKN



** NOT APPLICABLE TO BASIC & SF

REV.	A
DRAWING NO.	5450

MATERIAL:
 Body: 304L sst per AMS-5511.
 Center Conductor: BeCu alloy per ASTM B-196.
 Dielectric: PTFE per ASTM D-1710.
 Epoxy: (for CC, CCSF, CCCE & CCCESF) Sigma VF Type HV.
 Conductive Epoxy: (for CCCE & CCCESF) Eccobond 56C.

ELECTRICAL:
 Impedance: 50 Ohms nominal.
 Frequency Range: DC to 18.0 GHz.
 VSWR: 1.06 + .005 (fGHz).
 Insertion Loss: .07√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: -(60 - fGHz) dB min. for CC & CCSF
 -(90 - fGHz) dB min. for Basic, SF, CCCE & CCCESF
 Contact Resistance:
 Initial: Center Contact: 3.0 Milliohm max.
 Outer Contact: 2.0 Milliohm max.
 After Environment: Center Contact: 4.0 Milliohm max.
 Outer Contact: 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 lbs min.
 Connector Durability: 500 cycles min @ 12 cycles/minute max.
 *Center Contact Captivation: Axial Force: 6 lbs min.
 Radial Torque: N/A
 Permeability: Less than 2.0 mu.

ENVIRONMENTAL:
 Temperature Range: -62°C to +125°C.
 Thermal Shock: Mil-Std-202, Method 107, Test Cond. B.
 Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance 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. D.
 Shock: Mil-Std-202, Method 213, Test Cond. I.

FINISH:
 Body: (for SF, CCSF & CCCESF) Passivated per AMS-QQ-N-290.
 Body: (for Basic, CC & CCCE) 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
NA	NA
ASST INST	NA

TOLERANCES AND NOTES
 EXCEPT AS NOTED
 DIMENSIONS UNLESS OTHERWISE SPECIFIED
 LINEAR .XXX ±.005 ANGULAR ± 1/2°
 FRACTION ± 1/32
 1. MACHINE FINISH: RMS
 2. BREAK ALL SHARP EDGES .003 MAX.
 3. MACHINED FLUETS: .005 MAX.
 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .002 INCHES PER INCH.
 5. .002 I.D. DIAMETERS CONCERNING WITHIN DIMENSIONS TO BE MET BEFORE PLATING.
 6. THREADS PER H-289-45.
 7. REMOVE ROUNDED EDGES ON TEFLON.
 8. REMOVE ALL BURRS.

APPROVAL INITIALS	MATERIAL	SIZE	SPECIFICATION	PROCUREMENT
DKN	DKN		HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815	
CHECKED BY	DATE	TITLE		
TEST ENG	12.15.06	SMA FEMALE R/A 4 HOLE		
QUALITY		FLANGE MOUNT TO STRAIGHT TERMINATION		
DESIGN ENG	DNG	SCALE	SUB-DIRECTORY/FILENAME	SHEET
MFG ENG		6:1	OL_	1 of 1
		SIZE	DRAWING NO.	REV.
		C 30990	5450	A