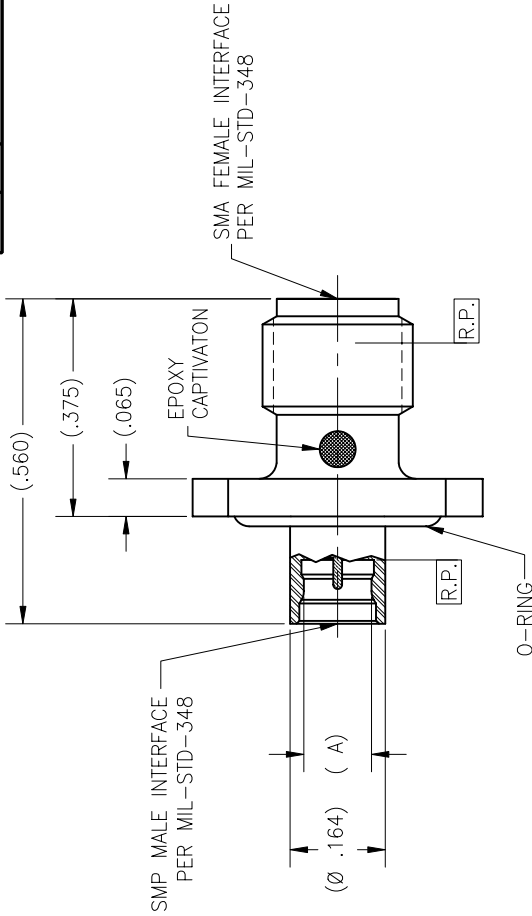
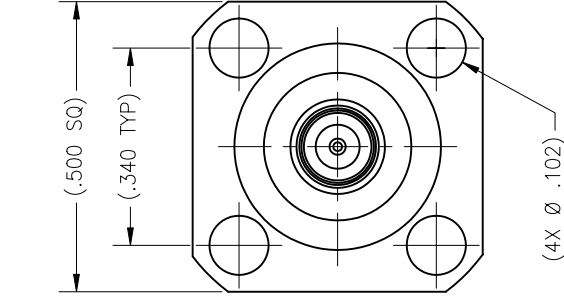


P/N	INTERFACE	(Ø A)
-1CCSF	FULL DETENT	.116
-2CCSF	LIMITED DETENT	.120
-3CCSF	SMOOTH BORE	.125

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
-	A	ECO 11681	05.23.00
-	B	ECO 12057	08.02.00
-	C	ECO 19303	06.15.07



MATERIAL:
Body: 303 sst per ASTM A-582.
Center Conductor: BeCu alloy per ASTM B-196.
Dielectric: PTFE per ASTM D-1710.
O-Ring: Silicone Rubber per ZZ-R-765.
Epoxy: Sigma VF Type HV.

ELECTRICAL:
Impedance: 50 Ohms nominal.
Frequency Range: DC to 18 GHz.
VSWR: 1.15:1 max to 18GHz
Insertion Loss: .25 dB max to 18GHz.
Working Voltage: 335 Vrms max @ sea level.
Dielectric Withstanding Voltage: 500 Vrms min.
R.F. HiPot Voltage: 150 Vrms min @ 5MHz.
Corona Level: 125 Vrms @ 70,000 ft.
Insulation Resistance: 5000 MegOhms min.
Contact Resistance:
Center Contact: 6.0 Milliohm max.
Outer Contact: 12.0 Milliohm max.
R.F. Leakage: -80 dB max to 3.0GHz
-65 dB max to 18GHz

MECHANICAL:
Mating Characteristics:
Interface per MIL-Std-348.
Force to Engage:
Full detent: 15 lbs max
Limited detent: 10 lbs max
Smooth bore: 2 lb max
Force to Disengage:
Full detent: 5 lbs min
Limited detent: 2 lbs min
Smooth bore: .5 lb min
Center Contact Retention:
Axial Force: 1.5 pounds min.
Connector Durability:
100 cycles min @ 12 cycles/minute max.
Permeability: Less than 2.0 mu.
Center Contact Engagement & Separation Force:
1.0 lbs max and .5 oz min.

ENVIRONMENTAL:
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: Passivate per ASTM A-967.
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	
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TOLERANCES AND NOTES EXCEPT AS NOTED	
DIMENSIONS ARE IN INCHES.	
LINEAR .XXX ±.005 ANGULAR ± 1/2°	
FRACTION ± 1/32	
1. MACHINE FINISH: $\sqrt{}$ RMS	
2. BREAK ALL SHARP EDGES .003 MAX.	
3. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.	
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.	
5. .002 T.I.R.	
6. DIMENSIONS TO BE MET BEFORE PLATING.	
7. DIMENSIONS TO BE MET AFTER PLATING.	
8. THREADS PER H-28	
9. REMOVE ALL BURRS.	
10. REMOVE ALL BURRS.	

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MATERIAL		SIZE		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	Tensolite HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815 TITLE SMP MALE 4 HOLE FLANGE MOUNT STRAIGHT TO SMA FEMALE ADAPTER					
DRAWN BY DKN	06.14.07						
CHECKED BY							
TEST ENGR							
QUALITY							
DESIGN ENGR ATV	06.18.07	SCALE 6:1		SUB-DIRECTORY/VOLUME OLP		SHEET 1 OF 1	
DESIGN ENGR		SIZE C		CASE CODE 30990		DRAWING NO. P920	
MFG ENGR						REV. C	