

P/N	REVISIONS					
BASIC	ZONE	REV.	DESCRIPTION(S)	DATE	BY	
CC	-	A	ECO 19573	09.13.06	DKN	
SF	-	B	ECO 19889	01.17.07	P.MAO	
CCSF						

The drawing shows two views of a rectangular SMA female interface component. The top view is a rectangle with overall dimensions (.500) by (.375). It features four circular mounting holes at the corners, each with a diameter of .103 inches. A central circular feature has a diameter of .222 inches typical. The bottom view shows the profile of the component with a total height of .100 inches. Key features include a .065 inch thick tab on the left, a .005 inch thick tab on the right, and a .065 inch wide tab at the bottom. Dimensions are given in parentheses as typical values. Labels indicate 'R.P.' (Reference Plane) and '* Epoxy Captivation'.

Note(s):
1. Connector to be supplied with protective cap.

MATERIAL(S):	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. * Epoxy: Sigma VF Type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005 X f(GHz). Insertion Loss: .03 √f(GHz). Working Voltage: 335 Vrms @ Sea Level. Dielectric Withstand Voltage: 1,000 Vrms. RF HiPot Withstand Voltage: 670 Vrms. Corona Level: 250 Vrms Min. Insulation Resistance: 5,000 MegaOhms. Contact Resistance: Initial: Center Conductor: 3.0 Milliohms max. Outer Conductor: 2.0 milliohms max. After: Center Conductor: 4.0 milliohms max. Outer Conductor: NA Permeability: Less than 2.0 MU	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-lbs max. Longitudinal Force: NA Center Contact Retention: Axial Force: 6 pounds min. Torque: 4 in-lbs min. Connector Durability: 500 cycles min @ 12 cycles/minute max.	Temperature Range: -55°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. 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.

* Applicable to P/N's 5692CC & 5692CCSF.

FINISH(ES):	APPLICABLE TENSOLITE DOCUMENTS	TOLERANCES AND NOTES EXCEPT AS NOTED	APPROVAL INITIALS	SIZE	SPECIFICATION	PROCUREMENT
Center Conductor: Gold plate per ASTM B-488, over nickel plate per AMS-QQ-N-290. Body (For Basic & CC's): Gold plate per ASTM B-488, over nickel plate per AMS-QQ-N-290. Body (For SF & CCSF's): Passivate per ASTM A-967.	WORK STD NA PROD INST NA ASST INST NA INST NA	DIMENSIONS ARE IN INCHES LINEAR .XX ±.015 ANGULAR ± 1/2° FRACTION XX ±.005 ± 1/2° 1. MACHINE FINISH ✓ RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH 5. DIMENSIONS TO CENTER UNLESS SPECIFIED OTHERWISE 6. DIMENSIONS TO REFERENCE SURFACE UNLESS SPECIFIED OTHERWISE 7. CHAMFER ALL TO PREVENT BURRS 8. THREADS PER H-28 9. REMOVE ALL BURRS 10. REMOVE ALL BURS	NEXT ASSY APPROVAL INITIALS DATE DRAWN BY CHECKED QUALITY ENGINEERING	-	HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815	Tensolite TITLE SMA FEMALE 4 HOLE RECTANGULAR FLANGE MOUNT TO HORIZONTAL TAB TERMINATION SCALE SUB-DIRECTORY NAME OL\ SIZE 8:1 DRAWING NO. C 30990 SHEET 1 OF 1 REV. B

Note(s):

1. Connector to be supplied with protective cap.

MATERIAL(S):	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710. * Epoxy: Sigma VF Type HV.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.05 + .005 X f(GHz). Insertion Loss: .03 √f(GHz). Working Voltage: 335 Vrms @ Sea Level. 150 Vrms @ 70,000 ft. Dielectric Withstand Voltage: 1,000 Vrms. RF HiPot Withstand Voltage: 670 Vrms. Corona Level: 250 Vrms Min. Insulation Resistance: 5,000 MegaOhms. Contact Resistance: Initial: Center Conductor: 3.0 Milliohms max. Outer Conductor: 2.0 milliohms max. After: Center Conductor: 4.0 milliohms max. Outer Conductor: NA Permeability: Less than 2.0 MU	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-lbs max. Longitudinal Force: NA Center Contact Retention: Axial Force: 6 pounds min. Torque: 4 in-lbs min. Connector Durability: 500 cycles min @ 12 cycles/minute max.	Temperature Range: -55°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. A. 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.
* Applicable to P/N's 5692CC & 5692CCSF.			
FINISH(ES):	APPLICABLE TENSOLITE DOCUMENTS		
Center Conductor:	WORK STD	PROD INST	ASST INST
Gold plate per ASTM B-488, over nickel plate per AMS-QQ-N-290.	NA	NA	NA
Body (For Basic & CC's):			
Gold plate per ASTM B-488, over nickel plate per AMS-QQ-N-290.			
Body (For SF & CCSF's):			
Passivate per ASTM A-967.			
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TOLERANCES AND NOTES EXCEPT AS NOTED	TENSOLITE		
DIMENSIONS UNLESS OTHERWISE SPECIFIED IN INCHES. LARGER .XXX ±.002 ANGULAR ± 1/2° FRACTION ± 1/32	NEXT ASSY	MATERIAL	SPECIFICATION
1. MACHINE FINISH ✓ RMS 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILTERS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH. 5. .002 T.I.E. 6. DIMENSIONS TO BE MET BEFORE PLATING. 7. THREADS PER H-28. 8. THREADS PER H-28. 9. REMOVE ROUNDED EDGES ON TITANIUM. 10. REMOVE ROUNDED EDGES ON TITANIUM.	DATE	SIZE	HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90815
	APPROVAL INITIALS		
	DRAWN BY DKN	DATE 09.13.06	
	CHECKED P.MAO	01.15.07	
	QUALITY	SCALE 8:1	TITLE SMA FEMALE 4 HOLE RECTANGULAR FLANGE MOUNT TO HORIZONTAL TAB TERMINATION
	ENGINEERING P.MAO	SUB-DIRECTORY/PLANE OL---	
		SIZE C 30990	SHEET 1 of 1
		DRAWING NO. 5692	REV. B

* Applicable to P/N's 5692CC & 5692CCSF.

FINISH(ES):					
Center Conductor: Gold plate per ASTM B-488, over nickel plate per AMS-QQ-N-290.					
Body (For Basic & CC's): Gold plate per ASTM B-488, over nickel plate per AMS-QQ-N-290.					
Body (For SF & CCSF's): Passivate per ASTM A-967.					

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DRAWING NO.	5692	REV.	B
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1. INFORMATION REGARDING TO THE UNCLASSIFIED PERSON AND INFORMATION REGARD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							