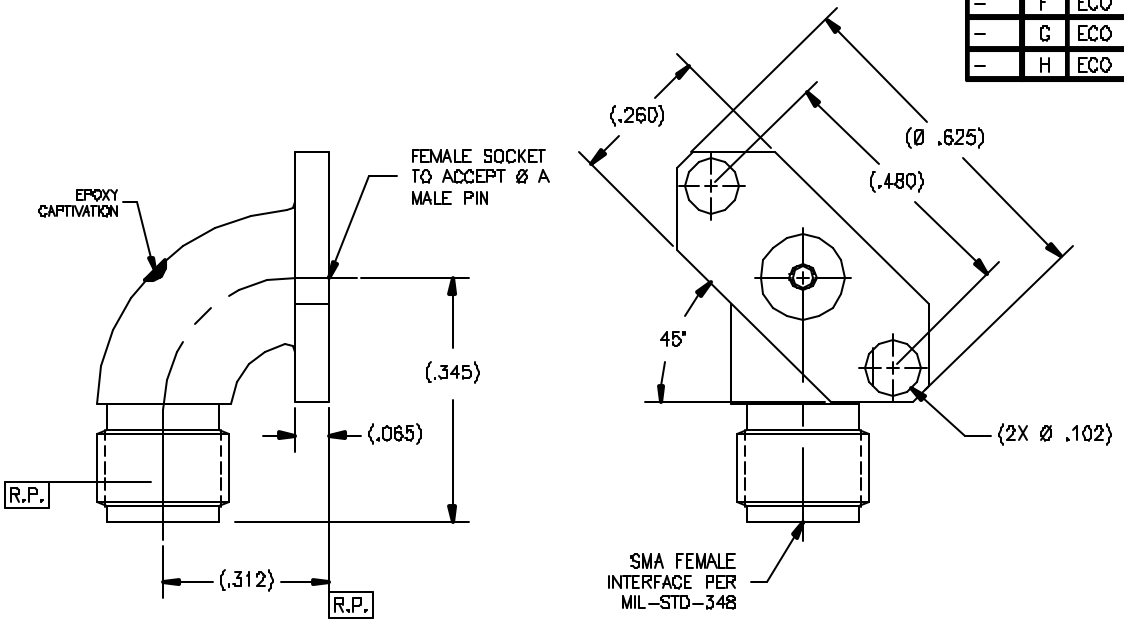
P/N	Ø A
-1CC	.0360±.0005
-1CCSF	.0360±.0005
-2CC	.0200±.0005
-2CCSF	.0200±.0005
-3CC	.0100±.0005
-3CCSF	.0100±.0005
-4CC	.0120±.0005
-4CCSF	.0120±.0005
-5CC	.0150±.0005
-5CCSF	.0150±.0005
-6CC	.0180±.0005
-6CCSF	.0180±.0005
-7CC	.0080±.0005

REVISIONS				
ZONE	REV.	DESCRIPTION(S)	DATE	BY
–	F	ECO 5958	05.03.96	ST
–	G	ECO 14623	06.19.02	ATV
–	H	ECO 20336	06.20.07	DKN



DRAWING NO. 5659 REV. H

MATERIAL(S):

Body:
304 sst per SAE-AMS-5511.
Center Conductor:
BeCu alloy per ASTM B-196.
Dielectric:
PTFE per ASTM D-1710.
Epoxy:
Sigma VF Type HV.

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18 GHz.
VSWR: 1.06 + .005 x f(GHz).
Insertion Loss: .10 dB max @ 6GHz.
Working Voltage: 335 Vrms max @ sea level.
Dielectric Withstanding Voltage: 1,500 Vrms min.
R.F. HiPot Voltage: 1,000 Vrms min @ 5MHz.
Corona Level: 375 Vrms @ 70,000 ft.
Insulation Resistance: 5,000 MegOhms min.
R.F. Leakage: -60 dB min. from 2-3 GHz.
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(S):

Mating Characteristics:
Interface per Mil-Std-348.
Force To Engage & Disengage:
Torque: 2 inch-pounds max.
Longitudinal Force: NA.
Center Contact Retention Force:
Axial Force: 6 pounds min.
Center Contact Captivation:
Axial Force: 6 pounds max.
Radial Torque: 4 inch-ounces max.
Connector Durability:
500 cycles min @ 12 cycles/minute max.
Permeability: Less than 2.0 mu.

ENVIRONMENTAL(S):

Temperature Range: -65°C to +125°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. C.
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(ES):

Body: (for CCSF's)
Passivate per ASTM A-967.
Body: (for CC's)
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

NOTICE

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TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.010 .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 PERPENDICULAR TO AXIS WITHIN .003 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .005 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28.
9. REMOVE PRAYED EDGES BY TAPER.
10. REMOVE ALL BURRS.

MATERIAL	–	–	–	–
	FINISH	SIZE	IDENTIFICATION	ASSIGNMENT

APPROVAL INITIALS		DATE
DRAWN BY	R.C.	03.21.02
CHECKED BY		
TEST ENGR		
QUALITY		
DESIGN ENGR	ATV	06.21.07
MFG ENGR		

Tensolite
HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS
Long Beach, California 90810

TITLE: SMA FEMALE RADIUS R/A 2 HOLE FLANGE (.260 X .625) MOUNT (45° LEFT) FIELD REPLACEABLE

SCALE 8:1 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | SHEET 1 OF 1

SIZE C | CAGE CODE 30990 | DRAWING NO. 5659 | REV. H

ENG-DWG REV. B