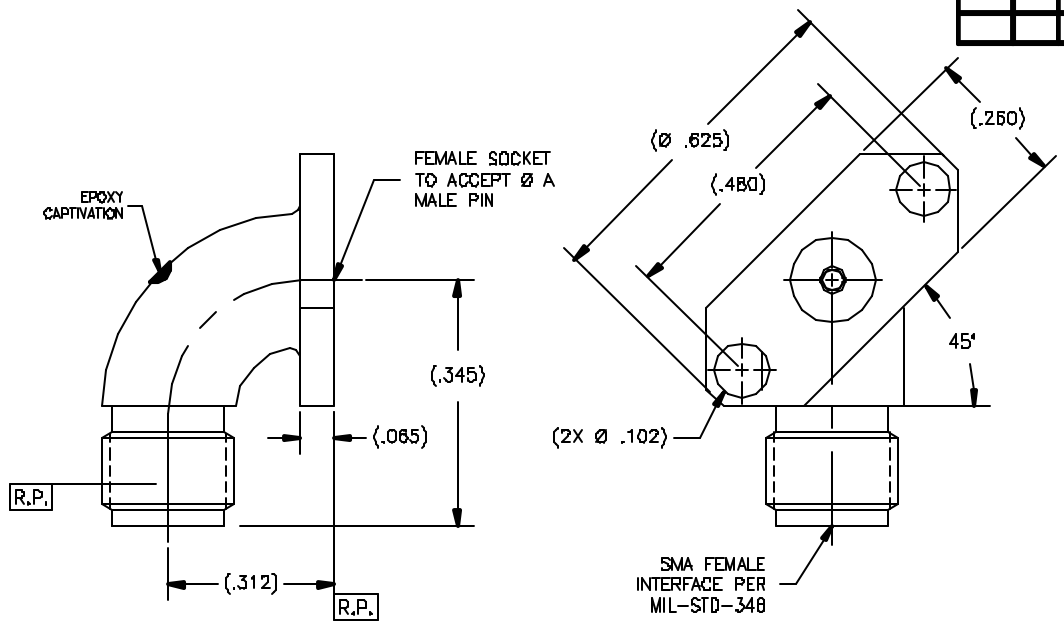
| P/N | Ø A |
|---|---|
| -1CC | .0360±.0005 |
| -1CCSF | .0360±.0005 |
| -2CC | .0200±.0005 |
| -2CCSF | .0200±.0005 |
| -3CC | .0100±.0005 |
| -3CCSF | .0100±.0005 |
| -4CC | .0120±.0005 |
| -4CCSF | .0120±.0005 |
| -5CC | .0150±.0005 |
| -5CCSF | .0150±.0005 |
| -6CC | .0180±.0005 |
| -6CCSF | .0180±.0005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

REVISIONS

| ZONE | REV. | DESCRIPTION(S) | DATE | BY |
|---|---|---|---|---|
| - | A | ECO 20336 | 06.20.07 | DKN |
| | | | | |
| | | | | |




DRAWING NO. 5660 REV. A

**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

THIS DRAWING EMBODIES A CONFIDENTIAL, PROPRIETARY DESIGN DEVELOPED BY TENSOLITE CORPORATION AND ALL RIGHTS MANUFACTURE REPRODUCTION, USE, AND SALE, INCLUDING REMOVING THE DATA, ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A LIMITED PURPOSE AND THE RECEIVER AGREES BY ACCEPTING THE DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES REGARDING TO THIS DESIGN. ALL PATENT RIGHTS CONCEIVED ARE EXPRESSLY RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90810.

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 .010 MAX.
3. MACHINE FILLETS .005 MAX.
4. MACHINE SURFACE TEXTURE TO DEPICTIVE AND WITHIN .004 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 PRIMED EDGES BY TUMBLER.
10. REMOVE ALL BURRS.

| | | | | | |
|---|---|---|---|---|---|
| MATERIAL | | | - | - | - |
| | | | SIZE | SPECIFICATION | FINISH/COMMENT |
| APPROVAL DETAILS | | DATE | | | |
| DRAWN BY | R.C. | 03.21.02 | Tensolite | HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS Long Beach, California 90810 | |
| CHECKED BY | | | TITLE | SMA FEMALE RADIUS R/A 2 HOLE FLANGE (.260 X .625) MOUNT (45° RIGHT) FIELD REPLACEABLE | |
| TEST ENGR | | | SCALE 8:1 | NON-DIMENSIONAL TOLERANCE OL | SHEET 1 OF 1 |
| QUALITY | | | | | |
| DESIGN ENGR | ATV | 06.21.07 | SIZE C | CODE IDENT 30990 | DRAWING NO. 5660 REV. A |
| MFG ENGR | | | | | |

ENG-DWG REV. B