

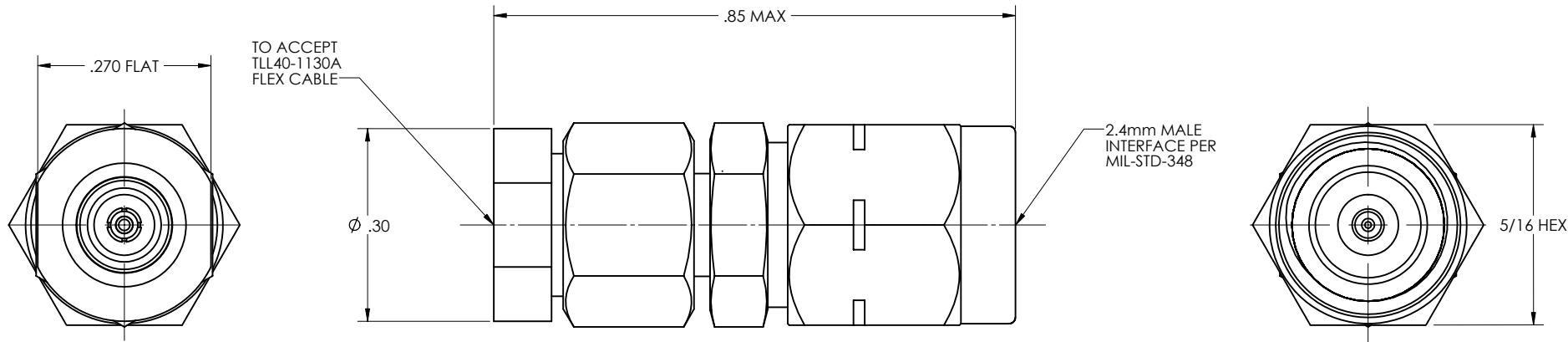
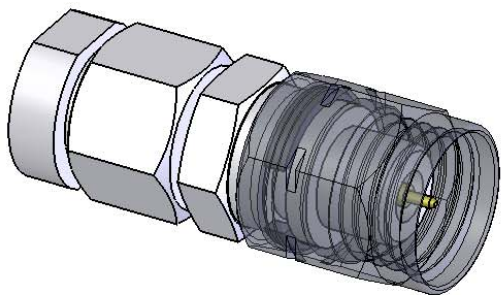
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| REVISIONS | | | |
|-----------|-------------|------|----|
| REV | DESCRIPTION | DATE | BY |
| | | | |
| | | | |
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PRELIMINARY

MATERIAL:

BODY, NUT, RETAINING BOLT:
303 SST PER ASTM A-582
SOLDER SLEEVE, CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B-196
INSULATOR:
TEFLON

ELECTRICAL:

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 40 GHz
VSWR: 1.05 + .005 x f(GHz)
Insertion Loss: .03 x \sqrt{f} GHz
Working Voltage: 165 Vrms @ Sea Level
Dielectric Withstand Voltage: 500 Vrms
RF HiPot Voltage: 250 Vrms Min @ 5MHz
Corona Level: 125 Vrms @ 70,000 ft
Insulation Resistance: 5000 Mohms
Contact Resistance:
Center Conductor: 2.0 Milliohms

MECHANICAL:

Connector Durability:
500 Cycles
Mating Torque: 8-10 lb.in

ENVIRONMENTAL:

Temp. Range: -65°C to +165°C
Thermal Shock:
MIL-STD-202, Method 107, Test Cond. B
Moisture Resistance:
MIL-STD-202, Method 106. Insulation resistance
at least 200 MegaOhms 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:

SOLDER SLEEVE, CENTER CONDUCTOR:
GOLD PLATE PER ASTM B-488 OVER NICKEL PLATE PER AMS-QQ-N-290
BODY, NUT, RETAINING BOLT:
PASSIVATED PER ASTM A-967 OR AMS-QQ-P-35

APPLICABLE TENSOLITE DOCUMENTS

| WORK STANDARD | PROD INSTRU | ASSY INSTRU |
|---------------|-------------|-------------|
| NA | NA | NA |
| | | |
| | | |

NOTICE

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TOLERANCES AND NOTES EXCEPT AS NOTED

DIMENSIONS ARE IN INCHES.
LINEAR .XX ± .015
FRACTION ± 1/32

1. MACHINE FINISH: \sqrt{RMS}
2. BREAK ALL SHARP EDGES .005 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 TIR.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER #20.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

| MATERIAL | | SIZE | SPECIFICATION | PROCUREMENT |
|-------------------|------|--|---------------|-------------|
| APPROVAL INITIALS | DATE | Tensolite 2400 Grand Avenue Long Beach, California 90815-1762 | | |
| DRAWN BY | YP | | | |
| CHECKED BY | | TITLE: 2.4mm MALE FOR TLL40-1130A | | |
| TEST ENGR | | | | |
| QUALITY | | SCALE: 8:1 SUB-DIRECTORY/FILE NAME: 0L/ | | |
| DESIGN ENGR | T.EN | | | |
| MFG. ENGR | | SIZE: C CAGE CODE: 30990 DRAWING NO.: 5068-5CCSF SHEET 1 OF 1 REV. - | | |
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