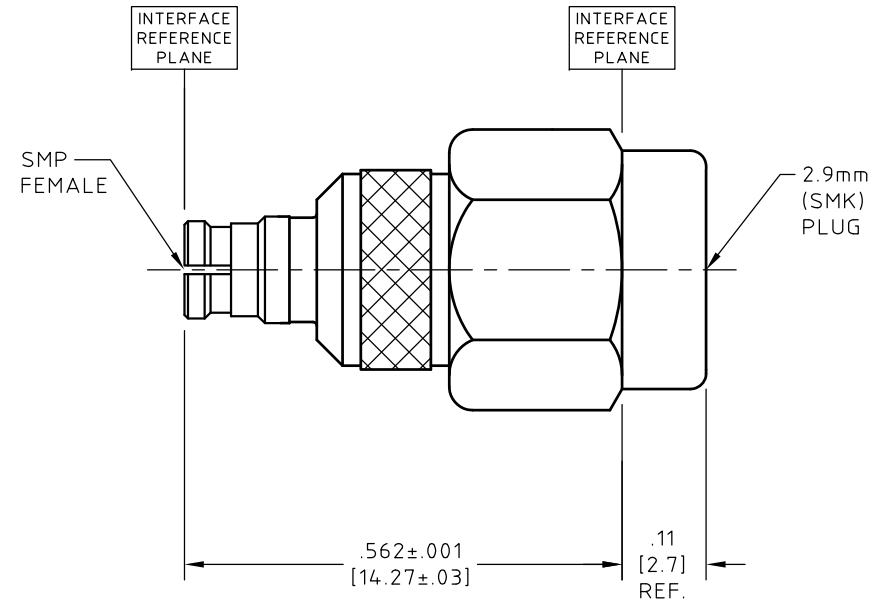


## NOTES:

- DESCRIPTION,  
ADAPTOR SMP FEMALE TO 2.9MM (SMK) PLUG.
- MATERIALS AND FINISHES,  
2.9MM (SMK) NUT,  
STEEL, CORROSION RESISTANT PER ASTM A-582,  
UNS No. S30300, COND. A, NON MAGNETIC,  
PASSIVATED PER SAE-AMS-2700.  
NO DICHROMATE SOLUTIONS USED.  
BODY AND CENTER CONDUCTORS,  
BERYLLIUM COPPER ALLOY PER ASTM B-196,  
UNS No. C17300, TEMPER TD04(H),  
GOLD PLATED 50  $\mu$ IN (1.27  $\mu$ M) MIN. THK.  
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27  
OVER  
NICKEL PLATE, 50  $\mu$ IN (1.27  $\mu$ M) MIN. THK.  
PER SAE-AMS-QQ-N-290, CLASS 1.  
DIELECTRIC,  
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,  
OR ASTM D-4894, TYPE I, GRADE 1 AND  
POLYETHERIMIDE RESIN (PEI) (G.E. ULTEM®) PER ASTM D-5205.  
RETAINING RING,  
BERYLLIUM COPPER, PER ASTM B-197  
UNS No. C17200 TEMPER TD04(H)  
GASKET,  
NONE.
- ELECTRICAL CHARACTERISTICS:  
IMPEDANCE  
50.0 Ohms NOMINAL.  
FREQUENCY  
40.0 GHz MAX.  
INSERTION LOSS  
0.40 dB MAX.  
VSWR  
1.35 : 1 MAX.  
PHASE MATCHED ADAPTOR,  
THIS ADAPTOR IS PART OF ASTRO-PHASE-SERIES,  
A SERIES OF PHASE MATCHED ADAPTORS,  
OFFERED BY HUBER+SUHNER Astrolab.
- INTERFACE MEETS MIL-STD-348.
- OPERATING TEMPERATURE RANGE  
-55° C TO +125° C



UNLESS OTHERWISE SPECIFIED  
CONCENTRICITY .004 T.I.R.  
CORNERS AND FILLETS .005  
MAX. RADIUS OR CHAMFER.  
SURFACE FINISH 63 RMS  
MICROINCHES OR BETTER.

|                      |        |
|----------------------|--------|
| FRACTIONS            | ± 1/16 |
| X                    | ± .030 |
| XX                   | ± .015 |
| XXX                  | ± .005 |
| ANGLES               | ± 1°   |
| DO NOT SCALE DRAWING |        |

|                                                                                                                   |           |                                                                                                                                                                                                                                         |                 |       |  |
|-------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|--|
| NAME                                                                                                              | DATE      | <br>THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB. |                 |       |  |
| PREP. AP                                                                                                          | 04/02/03  |                                                                                                                                                                                                                                         |                 |       |  |
| ELEC.                                                                                                             |           |                                                                                                                                                                                                                                         |                 |       |  |
| MECH.                                                                                                             |           |                                                                                                                                                                                                                                         |                 |       |  |
| Q.C.                                                                                                              |           | ADAPTOR, SMP FEMALE TO 2.9mm (SMK) PLUG                                                                                                                                                                                                 |                 |       |  |
| TITLE                                                                                                             |           |                                                                                                                                                                                                                                         |                 |       |  |
| THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28. | SCALE 4:1 | CODE IDENT. 16301                                                                                                                                                                                                                       | DWG NO. 29487-4 | REV B |  |