CONTROL DRAWING

29094HTCR-32-24

A

NOTES:

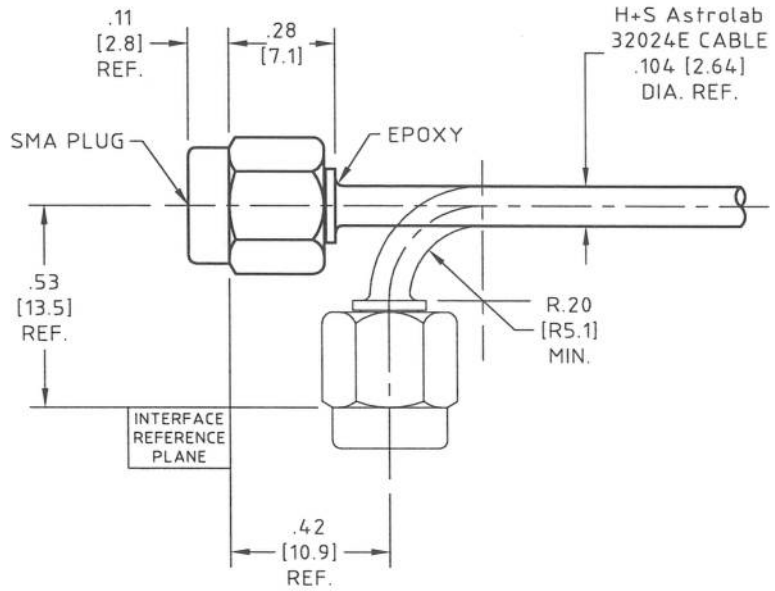
1. DESCRIPTION.
   SMA PLUG CONNECTOR FOR H+S Astrolab 32024E CABLE (LOW LOSS/ PHASE STABLE) astro - STEEL - flex II.
   100% RoHS 6 COMPLIANT.
   THIS CONNECTOR IS RUGGEDIZED AND IT IS SUITABLE FOR COMPLEX, CONGESTED INSTALLATIONS. WHEN INSTALLED AND BEND AT THE MINIMUM BEND RADIUS, THE CONNECTOR WILL TOLERATE MULTIPLE ±90° ROTATIONS AT THE CABLE-CONNECTOR JUNCTION.
   MECHANICAL PERFORMANCE
   GUARANTEED 25.0 LBS [111 N] PULL FORCE.

2. MATERIALS AND FINISHES
   BODY, SMA NUT AND BACK NUT,
   STEEL, CORROSION RESISTANT PER ASTM A-582, UNS No. S30300, COND. A, NON MAGNETIC, PASSIVATED PER SAE-AMS-2700 OR ASTM A-967. NO DICHROMATE SOLUTIONS USED.
   BACK NUT IS NICKEL PLATED.
   CENTER CONDUCTOR,
   BERYLLIUM COPPER ALLOY PER ASTM B-196, UNS No. C17300, TEMPER TD04(H),
   GOLD PLATED .000050 IN MIN. THK. (1.27 MICRO METERS) PER ASTM B-488, CODE C, TYPE II,
   OVER
   NICKEL PLATE, .000050 IN MIN. THK. PER SAE-AMS-QQ-N-290, OR ASTM B-689 TYPE 1.
   DIELECTRIC,
   POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710, OR ASTM D-4894, TYPE I, GRADE 1.
   EPOXY,
   TWO-COMPONENT HIGH TEMPERATURE EPOXY SYSTEM.
   OUTGASSING,
   ASSEMBLY MEETS OR EXCEEDS NASA LOW OUTGASSING REQUIREMENTS.

3. ELECTRICAL CHARACTERISTICS:
   IMPEDANCE
   50.0 Ohms NOMINAL.
   FREQUENCY
   26.5 GHz MAX.

4. INTERFACE DIMENSIONS MEET MIL-STD-348.
   CONNECTOR PERFORMANCE PER MIL-PRF-39012.

5. OPERATING TEMPERATURE RANGE
   -55° C TO +125° C.



RoHS 6 COMPLIANT

	NAME	DATE
PREP.	EF	01/17/13
ELEC.		01/17/13
MECH.		01/17/13
Q.C.		

HUBER+SUHNER Astrolab

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

TITLE
CONNECTOR, SMA PLUG, minibend L TYPE, RUGGEDIZED, RoHS 6.

REV.	DESCRIPTION	DATE	BY	APPROVED
A	ECN No. 15260	01/17/13	EF	

THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPL. TO HANDBOOK H 28.

SCALE	CODE IDENT.	DWG NO.	REV
2:1	16301	29094HTCR-32-24	A