

CONTROL DRAWING

29080CR-32-22

E

NOTES:

1. DESCRIPTION

N TYPE PLUG CONNECTOR FOR H+S Astrolab 32022E CABLE
 LOW LOSS/ PHASE STABLE astro - STEEL - flex II.
 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, NUT AND BACK NUT,
 STEEL, CORROSION RESISTANT PER ASTM A-582,
 UNS No. S30300, COND. A, NON MAGNETIC,
 PASSIVATED PER SAE-AMS-2700.
 NO DICHROMATE SOLUTIONS USED.
 BACK NUT IS NICKEL ALLOY PLATED
 CENTER CONDUCTOR,
 BERYLLIUM COPPER ALLOY PER ASTM B-196,
 UNS No. C17300, TEMPER TD04(H),
 GOLD PLATED 50 µIN [1.27 µM] MIN. THK.
 PER ASTM B-488, CODE C, TYPE II, CLASS 1.27
 OVER
 NICKEL PLATE, 50 µIN [1.27 µM] MIN. THK.
 PER SAE-AMS-QQ-N-290, TYPE 1.
 DIELECTRIC,
 POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,
 OR ASTM D-4894, TYPE I, GRADE 1.
 RETAINING RING,
 NONE REQUIRED, NONE PRESENT.
 GASKET,
 SILICONE RUBBER PER GSA CID A-A-59588-2B
 AND SAE-AMS-3304.
 EPOXY,
 TWO-COMPONENT HIGH TEMPERATURE
 EPOXY SYSTEM.

3. ELECTRICAL CHARACTERISTICS:

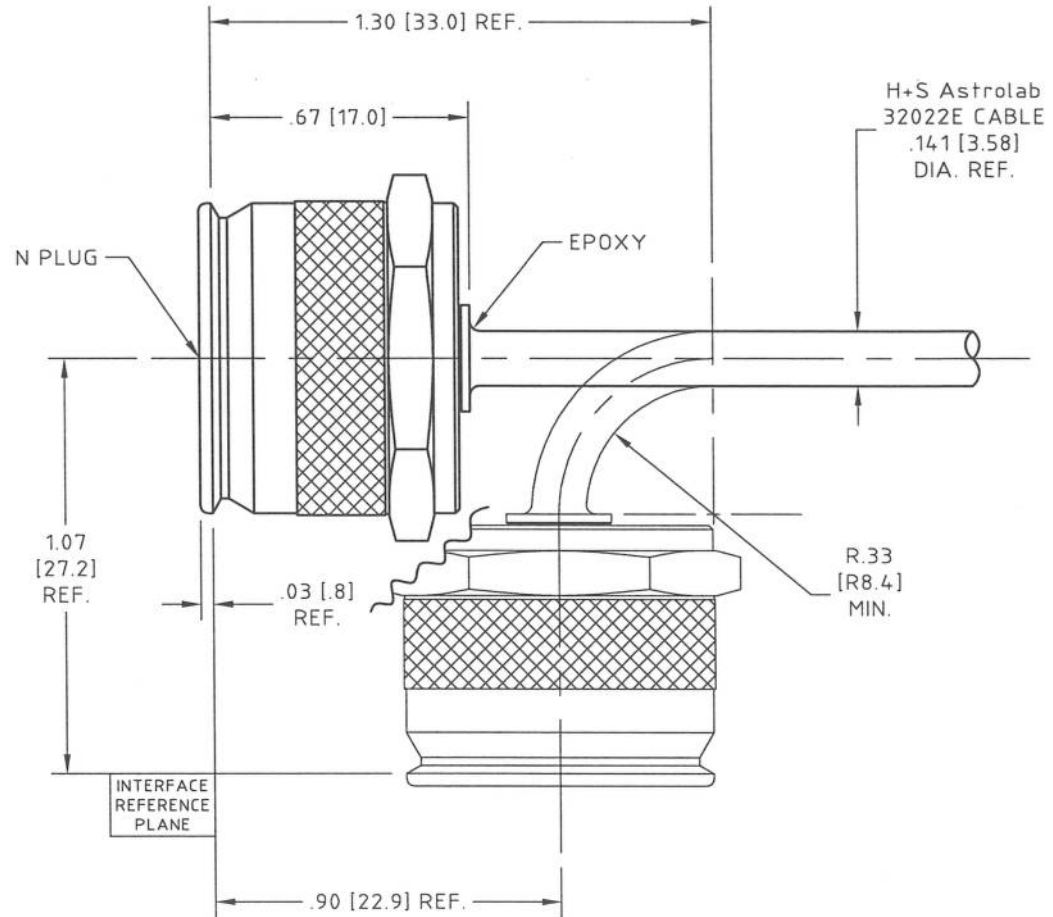
IMPEDANCE
 50.0 Ohms NOMINAL.
 FREQUENCY
 18.0 GHz MAX.

4. INTERFACE MEETS MIL-STD-348.

CONNECTOR PERFORMANCE PER MIL-PRF-39012

5. OPERATING TEMPERATURE RANGE

-55° C TO +125° C



NAME	DATE	 HUBER+SUHNER Astrolab <small>THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.</small>
PREP. BG	04/09/02	
ELEC.		
MECH.		
Q.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	

TITLE		CONNECTOR, N TYPE PLUG, mini141 TYPE.	
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.
	2:1	16301	29080CR-32-22

E	ECN No. 15266	01/18/13	GS	
REV.	DESCRIPTION	DATE	BY	APPROVED