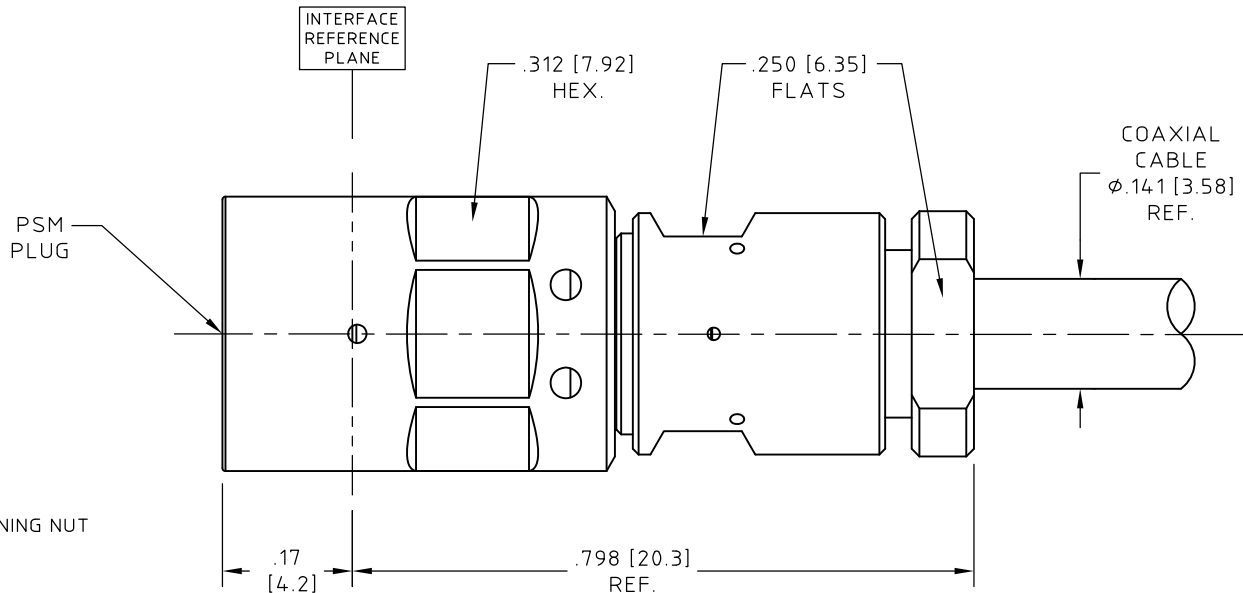


CONTROL DRAWING

11_PSM-50-3-2

B



NOTES:

1. DESCRIPTION,
CONNECTOR, HIGH PRECISION, HIGH POWER, PSM PLUG,
FOR HUBER+SUHNER Astrolab SEMI-RIGID 30141
(REF. MIL-DTL-17/130)
RADIO FREQUENCY COAXIAL CABLE.
CONNECTOR IS LOW OUTGASSING AND MEETS
NASA REQUIREMENTS FOR SPACE APPLICATIONS.

2. MATERIALS AND FINISHES,
BODY, CONTACT, SNAP RING, SOLDER BUSHING AND RETAINING NUT
BERYLLIUM COPPER ALLOY PER ASTM B-196,
UNS No. C17300, TEMPER TD04(H).
GOLD PLATED 100 µIN (2.54µM) MIN. THK.
PER ASTM B-488, CODE C, TYPE II
OVER
30 µIN (0.76 µM) MIN. COPPER FLASH.
INTERFACE NUT,
BERYLLIUM COPPER, PER ASTM B-197,
UNS No. C17200 TEMPER TD04(H).
GOLD PLATED 50 µIN (1.27 µM) MIN. THK.
PER ASTM B-488, CODE C, TYPE II
OVER
30 µIN (0.76 µM) MIN. COPPER FLASH.
DIELECTRIC,
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710
OR ASTM D-4894, TYPE I, GRADE 1.
O-RING,
FLUOROSILICONE FILLED WITH SILVER PLATED
ALUMINUM PER MIL-G-83528 TYPE D.

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

4. PSM PLUG INTERFACE IAW HUBER+SUHNER A.G.
PUBLISHED INFORMATION.

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

NAME	DATE
PREP. AKP	05/24/17
ELEC. RF	05/24/17
MECH. GSG	05/24/17
Q.C.	

HUBER+SUHNER
Astrolab

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF 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 PSM PLUG, FOR H+S Astrolab 30141 SEMIRIGID CABLE				
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. 11_PSM-50-3-2	REV B

B	ECN No.20308	06/14/18	KF	
REV.	DESCRIPTION	DATE	BY	APPROVED