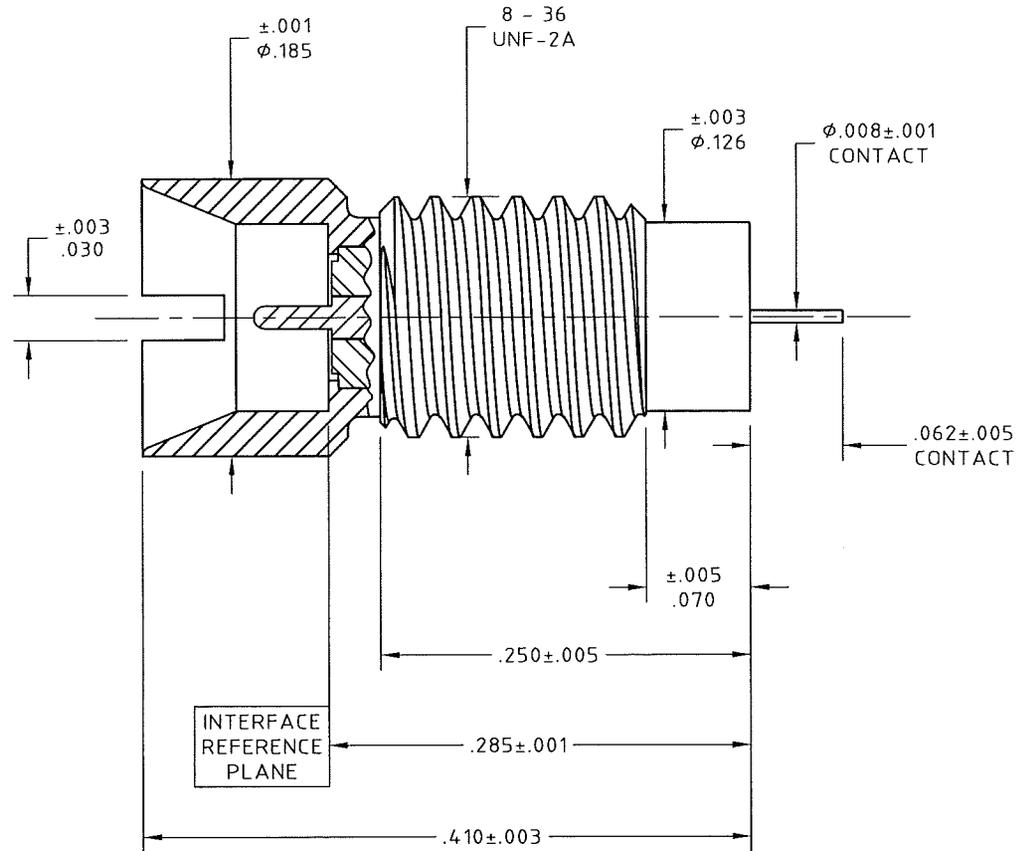


CONTROL DRAWING

12\_SMP-50-0-x1/199\_NE

A

**RoHS 6 COMPLIANT**



NOTES:

- DESCRIPTION  
PANEL MOUNT CONNECTOR, SMP MALE, SMOOTH BORE.
- MATERIALS AND FINISHES  
BODY  
STEEL, CORROSION RESISTANT PER ASTM A-582, UNS NO. S30300, COND. A.  
PASSIVATED PER SAE-AMS-QQ-P-35 OR ASTM A-967.  
CENTER CONDUCTOR  
BERYLLIUM COPPER ALLOY PER ASTM B-196, UNS NO. C17300, TEMPER TD04(H).  
GOLD PLATED 4 μIN. [0.1 μM] MIN. THK.  
PER ASTM B-488, CODE C, TYPE I, CLASS 0.25, OVER  
NICKEL PLATE, 80 μIN. [2.0 μM] MIN. THK.  
PER ASTM B-733, TYPE V, CLASS 3, OVER  
COPPER FLASH, 4 μIN. [0.1 μM] MIN. THK.  
PER SAE-AMS-2418.  
DIELECTRIC,  
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710, OR ASTM D-4894, TYPE I, GRADE 1.

DETENT	P/N	SAP #
LIMITED DETENT	12_SMP-50-0-L1/199_NE	TBD
SMOOTH BORE	12_SMP-50-0-S1/199_NE	80378538

METRIC TOLERANCE			
DIMENSION		TOLERANCE	
INCHES	MM	INCHES	MM
.X	[X.]	±.015	[±0.5]
.XX	[X.X]	±.010	[±0.3]
.XXX	[X.XX]	±.002	[±0.05]
.XXXX	[X.XXX]	±.0005	[±0.013]

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
PREP. SO <i>ENG 07</i>	02/16/16
ELEC. <i>M.G.</i>	02/16/16
MECH. <i>[Signature]</i>	02/16/16
Q.C.	

**HUBER+SUHNER**  
**Astrolab**

THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.

TITLE
PANEL MOUNT CONNECTOR, SMP MALE

REV.	DESCRIPTION	DATE	BY	APPROVED	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
A	ECN No. 17879	02/16/16	<i>ENG SP</i>	<i>[Signature]</i>		8:1	16301	12_SMP-50-0-x1/199_NE	A

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