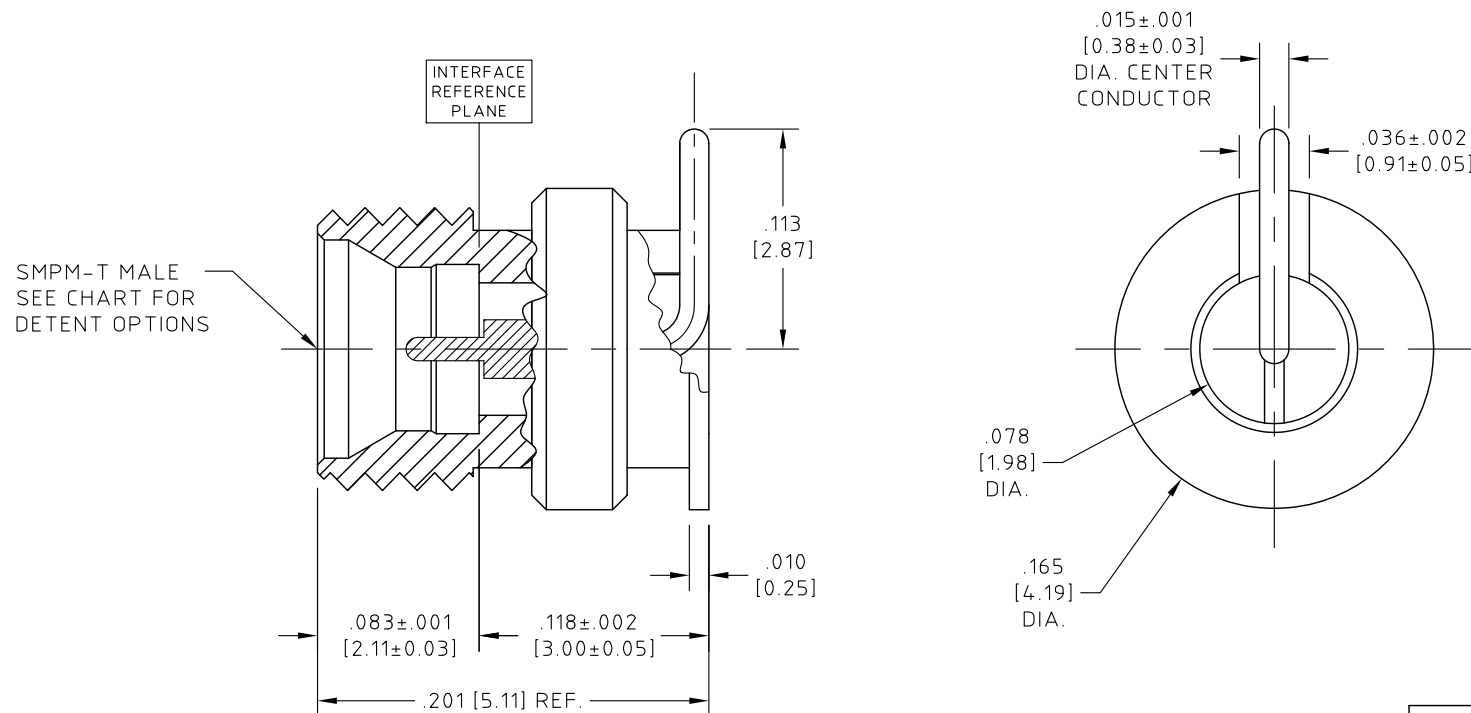


CONTROL DRAWING

29976SM-X-001

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NOTES:

1. DESCRIPTION

LAUNCHER, BOARD MOUNT, SMPM-T MALE,
THREADED HUBER+SUHNER Astrolab SMPM MALE.
FULL DETENT OPTION SHOWN
SEE CHART FOR OPTIONS AND PART NUMBERS.

2. MATERIALS AND FINISHES

BODY AND CENTER CONDUCTOR,
BERYLLIUM COPPER ALLOY PER ASTM B-196,
UNS No. C17300, TEMPER TD04(H),
GOLD PLATED .000050 IN (1.27 µM) MIN. THK.
PER ASTM B-488, CODE C, TYPE II, CLASS 1.27 OVER
NICKEL PLATE, .000050 IN (1.27 µM) MIN. THK.
PER SAE-AMS-QQ-N-290, TYPE 1.
DIELECTRIC,
POLYAMIDE-IMIDE (TORLON® 4203)
ELECTRICAL GRADE, PER ASTM D-5204.

3. ELECTRICAL CHARACTERISTICS:

IMPEDANCE, 50.0 Ohms NOMINAL.
FREQUENCY, 40.0 GHz MAX.

4. INTERFACE DEFINITION, SMPM MALE IS DESIGNED AND
MANUFACTURED IAW MIL-STD-348 AND WILL MATE
WITH SMPM FEMALE CONNECTOR THAT IS DESIGNED
AND MANUFACTURED IAW MIL-STD-348.

NOTES CONTINUED:

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

6. MOUNTING PATTERN:

CUSTOMER SPECIFIC FACTORS INCLUDING TRANSMISSION LINE TOPOLOGY,
SUBSTRATE THICKNESS AND MATERIAL, BOARD-STACKUP, OPERATING
FREQUENCY, ETC. MUST BE SUBMITTED TO HUBER+SUHNER Astrolab
FOR ANALYSIS PRIOR TO RELEASE OF FINAL PERFORMANCE LEVELS
AND MOUNTING CONFIGURATION.

DETENT	PART NUMBER
FULL DETENT	29976SM-2-001
SMOOTH BORE	29976SM-4-001

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

FRACTIONS	± 1/32
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°
DO NOT SCALE DRAWING	

NAME		DATE	 THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHNER ASTROLAB.		
PREP.	EF	06/19/09			
ELEC.	RF	06/19/09			
MECH.	GSG	06/19/09			
Q.C.					
TITLE					
CONNECTOR, SURFACE MOUNT, SMPM-T MALE					
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
		10:1	16301	29976SM-X-001	F