CONTROL DRAWING

NOTES:

1. DESCRIPTION
LAUNCHER, EDGE 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 T004(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, CLASS 1.
DIELECTRIC,
POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D-1710,
OR ASTM D-489a, TYPE I, GRADE 1, CLASS A.

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.

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

6. MOUNTING PATTERNS,
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.

NOTES CONTINUED:

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

SMPM-T MALE, PC BOARD EDGE MOUNT CONNECTOR (LAUNCHER)

HUBER+SUHNER Astrolab

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

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SCALE 8:1

UNLESS OTHERWISE SPECIFIED:
CONCENTRICITY, 0.010 T.I.R.
CORNERS AND FILLETS 0.005 MAX. RADIUS OR CHAMFER.
SURFACE FINISH 63 RMS MICROINCHES OR BETTER.

FRACTIONS ± 1/16
X ± 0.30
XX ± 0.015
XXX ± 0.005
ANGLES ± 1°

DO NOT SCALE DRAWING

THIS DRAWING TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SPECIFICATION 1010.
FOR FEDERAL SERVICES 1935 SUPL. TO HANDBOOK M-28.