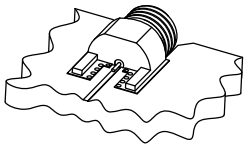
# CONTROL DRAWING

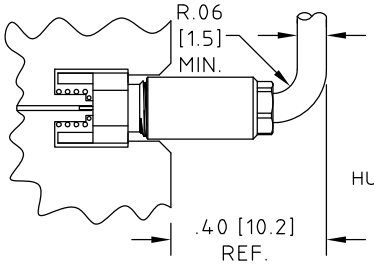
29976BM-x-006

K

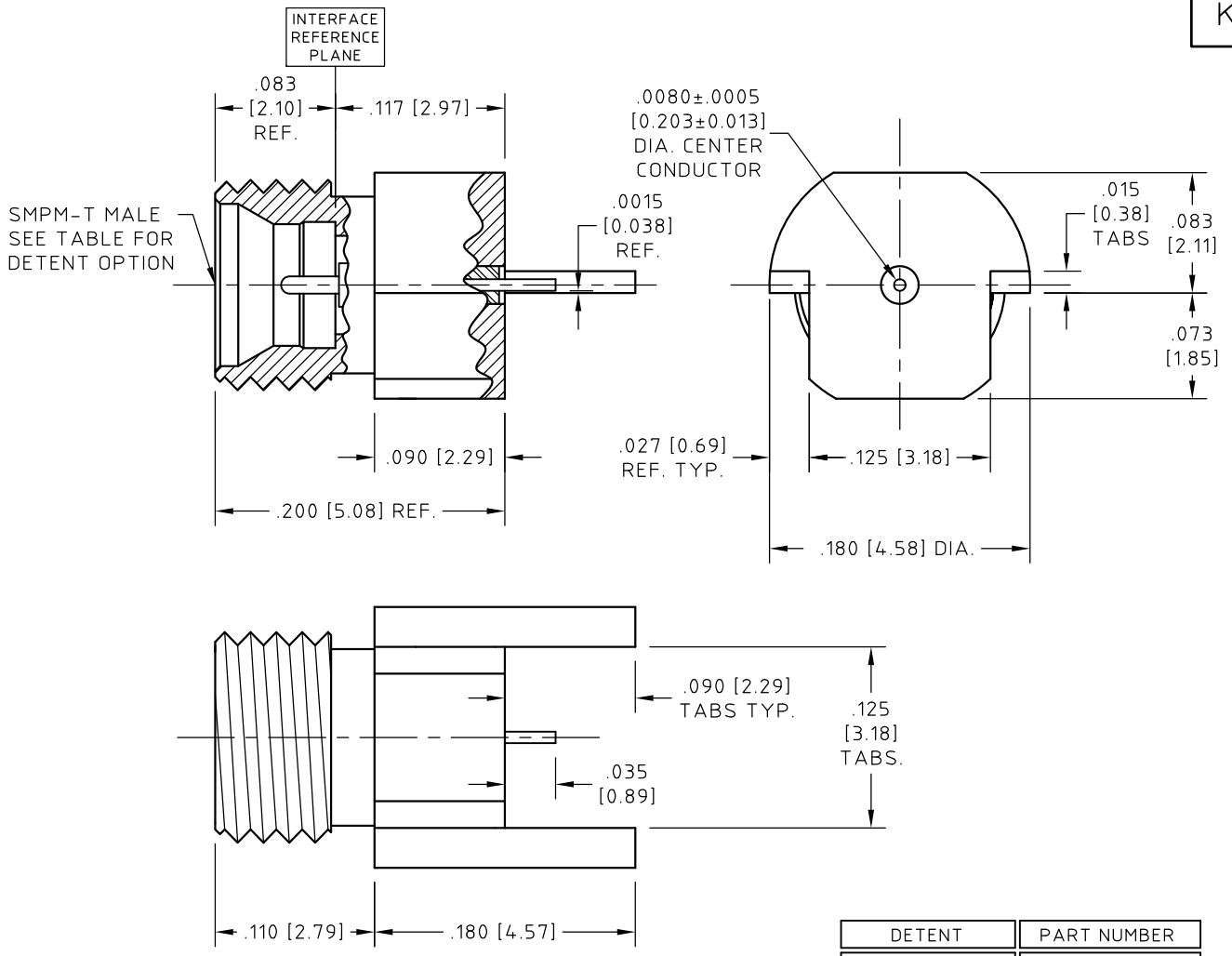
ISOMETRIC VIEWS OF CONNECTOR REFERENCE ONLY SCALE: 2:1



ISOMETRIC VIEWS OF CONNECTOR MOUNTED REFERENCE ONLY SCALE: 2:1




ISOMETRIC VIEWS OF CONNECTOR MOUNTED AND MATED TO HUBER+SUHNER Astrolab SMPM-T FEMALE REFERENCE ONLY SCALE: 2:1




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 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,
     - POLYTETRAFLUOROETHYLENE (PTFE) PER
       - ASTM D-1710, OR ASTM D-4894,
       - TYPE I, GRADE 1.
3. ELECTRICAL CHARACTERISTICS:
   - IMPEDANCE, 50.0 Ohms NOMINAL.
   - FREQUENCY, 65.0 GHz.

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.

7. ESTIMATED WEIGHT: 0.41 GRAMS

| DETENT | PART NUMBER |
|---|---|
| FULL DETENT | 29976BM-2-006 |
| SMOOTH BORE | 29976BM-4-006 |

| REV. | DESCRIPTION | DATE | BY | APPROVED |
|---|---|---|---|---|
| K | ECN No. 19703 | 10/30/17 | EF | |

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. | GSG | 12/07/11 |
| ELEC. | RF | 12/07/11 |
| MECH. | AW | 12/08/11 |
| Q.C. | | |

HUBER+SUHNER Astrolab



TITLE

## SMPM-T MALE, PC BOARD MOUNT CONNECTOR

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 |
|---|---|---|---|
| 8:1 | 16301 | 29976BM-x-006 | K |