

1. MATERIAL & FINISH: (127-0711-321)
1.1 BODY: GOLD PLATED BERYLLIUM COPPER
1.2 CONTACTS: GOLD PLATED BERYLLIUM COPPER
1.3 INSULATORS: PTFE (TEFLON)

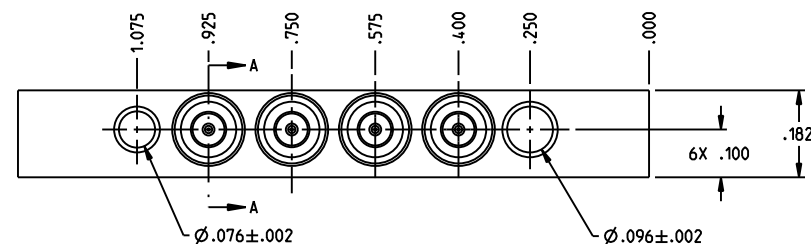
- 2.1 IMPEDANCE: 50 OHMS
- 2.2 FREQUENCY RANGE: DC - 26.5 GHz
- 2.3 VSWR: 1.25 MAX (0-18 GHz), 1.50 MAX (18-26.5 GHz)
- 2.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
- 2.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
- 2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
- 2.7 CONTACT RESISTANCE:

4X SECTION A-A

CONTACT TO BODY

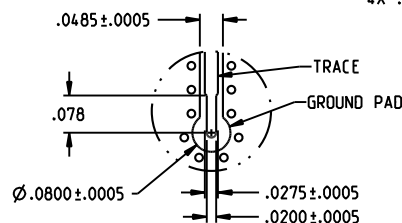
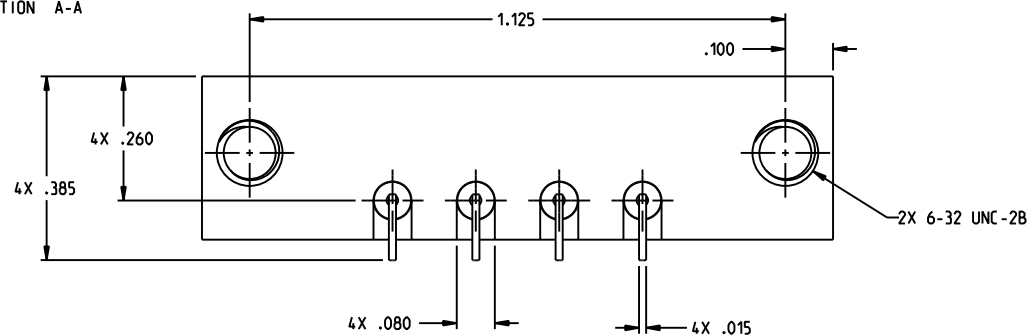
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3.1 INTERFACE DESIGN: IAW MIL-STD-348, FIG. 326-2. SERIES SMP, FULL DETENT
3.2 ENGAGEMENT FORCE: 45 LBS MAX PER POSITION
3.3 DISENGAGEMENT FORCE: 5 LBS MIN PER POSITION
3.4 CONTACT RETENTION: 1.5 LBS MIN AXIAL
3.5 DURABILITY: 100 CYCLES MIN

4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)
4.2 OPERATING TEMPERATURE: -65°C TO 165°C
4.3 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT
165°C HIGH TEMP
4.4 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
4.5 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
4.6 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
4.7 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP
7B OMITTED



MOUNTING FOOTPRINT (EACH PORT, TOP VIEW) 

5. REFERENCE DIMENSIONS FOR 50 OHM GROUNDED CPW LINE, USING ROGERS RO4003, 16 MIL HIGH FREQUENCY CIRCUIT BOARD SUBSTRATE:

- 5.1 TRACE WIDTH = 27.5 MILS
5.2 GROUND GAPS = 10.5 MILS
5.3 CONDUCTOR THICKNESS = 1.4 MILS (INCLUDES PLATING)
5.4 MAINTAIN SOLID GROUND PLANE BELOW HF SUBSTRATE.
5.5 PLACE 16 MIL DIA. GROUND VIAS ON BOTH SIDES OF COPLANAR
WAVEGUIDE LINE AT 50 MIL INTERVALS ALONG ENTIRE LENGTH.
5.6 IMMERSION GOLD PLATE (ENIG) ALL CONDUCTORS PER IPC-4552.
5.7 ALL HOLES PLATED THRU ENTIRE CIRCUIT BOARD STACKUP.
5.8 HOLE PATTERNS SYMMETRICAL ABOUT CENTER OF CPW TRACE.

6.1 127-0711-321: 1 PER BAG

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	ROHS2 ☒ 2018/05/04	into ASSEMBLY, MALE, FD, RAPC SURFACE MT. SMP, 4 POSITION
INTERPRETATION: DRAWING IS TO BE ACCORDANCE WITH THE ASSEMBLY INSTRUCTIONS.	XXX *** 01 XXX *** 001 XXX *** 0010 ANGLE ± 0° 0'	Part No. 127-0711-321-330
Size B DO NOT SCALE DRAWING	Date 11/16/15	Sheet 1 OF 1