

PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	PACKAGING
127-1701-801	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BULK PACK 5 PCS/BAG
127-1701-802	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TAPE AND REEL 1000 PCS. PER FIG 1

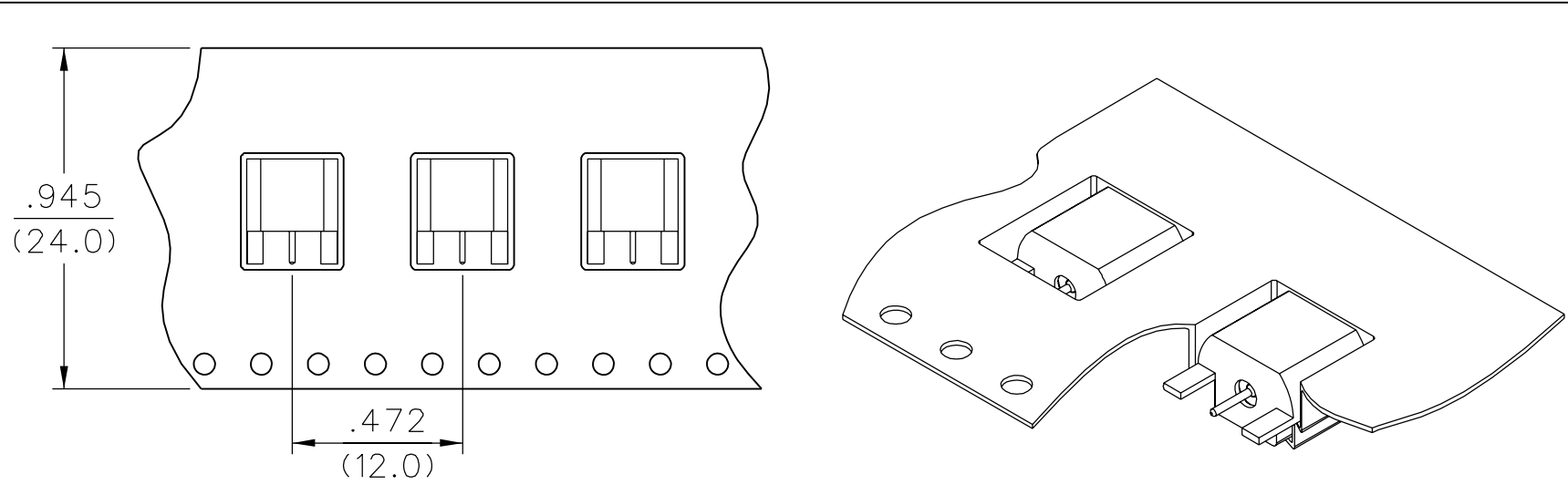
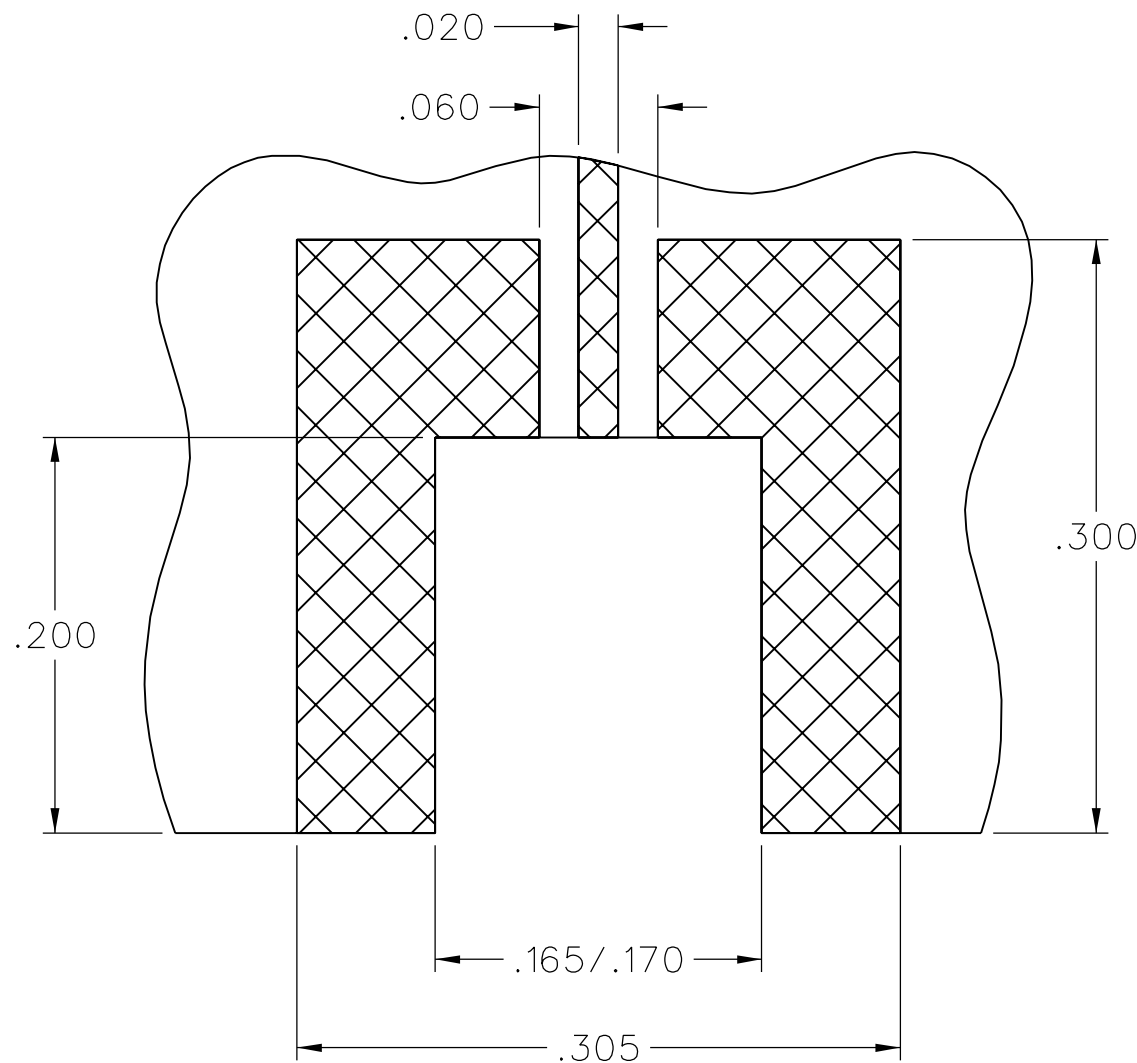
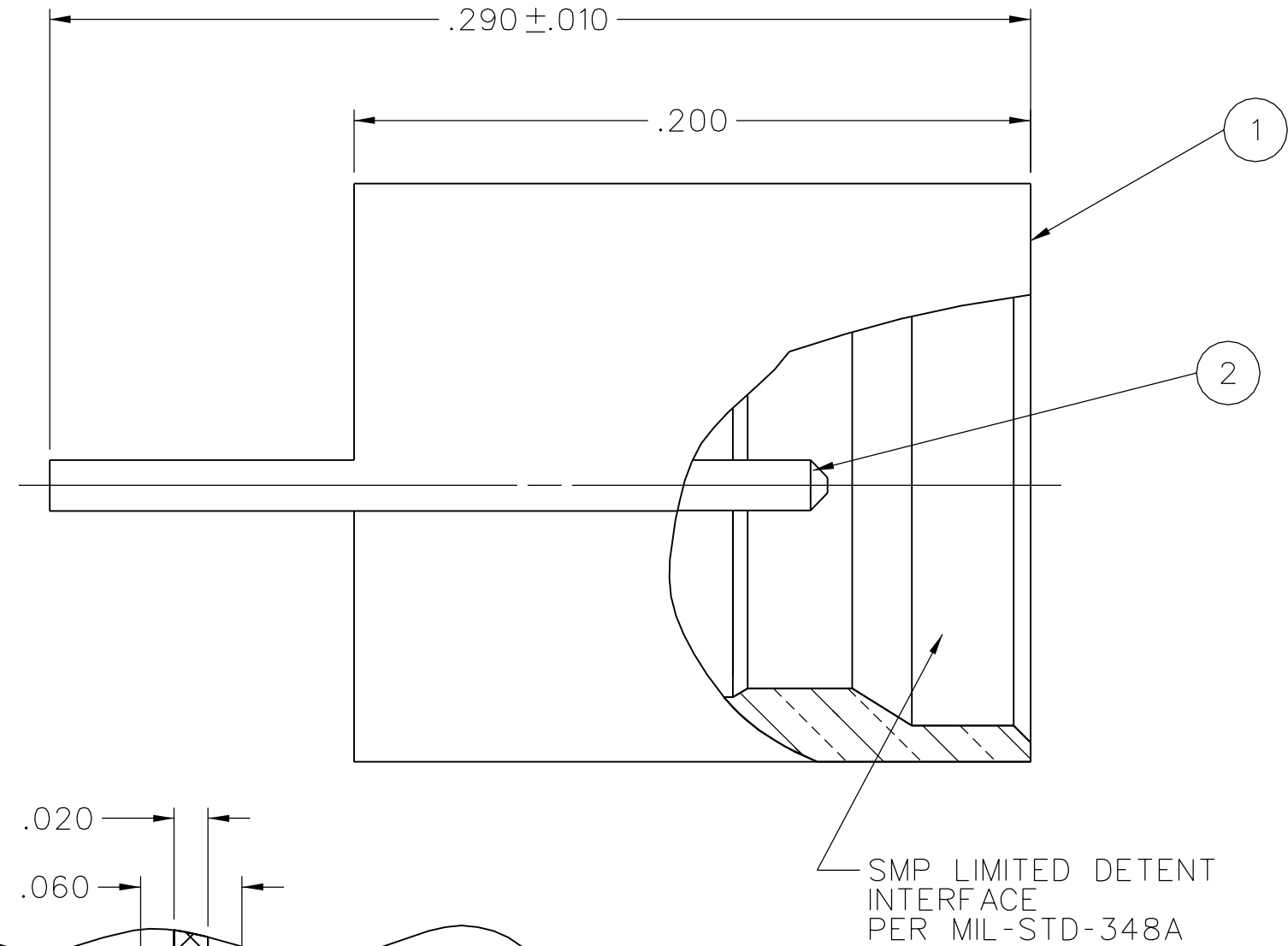
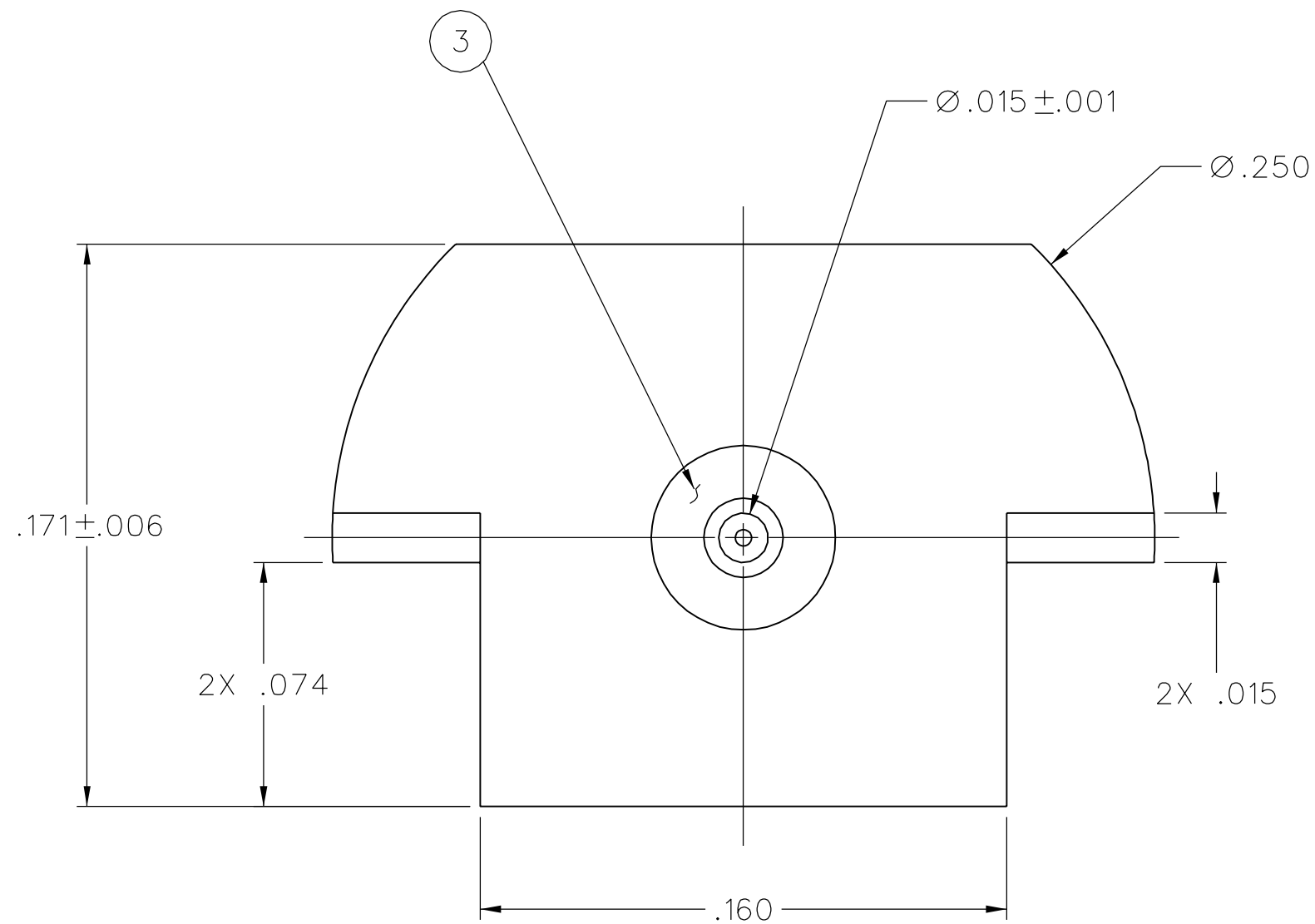


FIG 1
2:1 TOP VIEW



NOTES:

1. SPECIFICATIONS:
- IMPEDENCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-18 GHz
VSWR: DEPENDANT ON APPLICATION
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMP, LIMITED DETENT
ENGAGEMENT FORCE: 10 LBS MAX
DISENGAGEMENT FORCE: 2 LBS MIN
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

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

RECOMMENDED PCB LAYOUT

THIS PATTERN IS FOR REFERENCE ONLY.
PATTERN WILL VARY DEPENDING ON
ASSEMBLY PROCESS, BOARD TYPE, OR
ELECTRICAL AND MECHANICAL REQUIREMENTS.

DRAWING NO. C - 127-1701-801/810	
0	REVISIONS
ENGINEERING RELEASE	
1	7-6-07 P A T J R K M J D J C 7-10-07 ECN 51108
.945 (24.0)	WAS .630 (16.0)
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. * *****	
1a	7-30-07 P A T J R K M J D J C 7-30-07 ECN 51157

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT	DATE 6-27-07	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY JRK	DATE 7-16-07		
.XX	_____	APPROVED BY PDW	DATE 7-16-07	TITLE SMP LIMITED DETENT SURFACE MOUNT END LAUNCH	
.XXX ±.003	_____	RELEASE DATE	7-16-07	SHEET 2 OF 2	DRAWING NO. C - 127-1701-801/810
MATL	_____	U/M	INCH	SCALE	20:1
FINISH	_____				