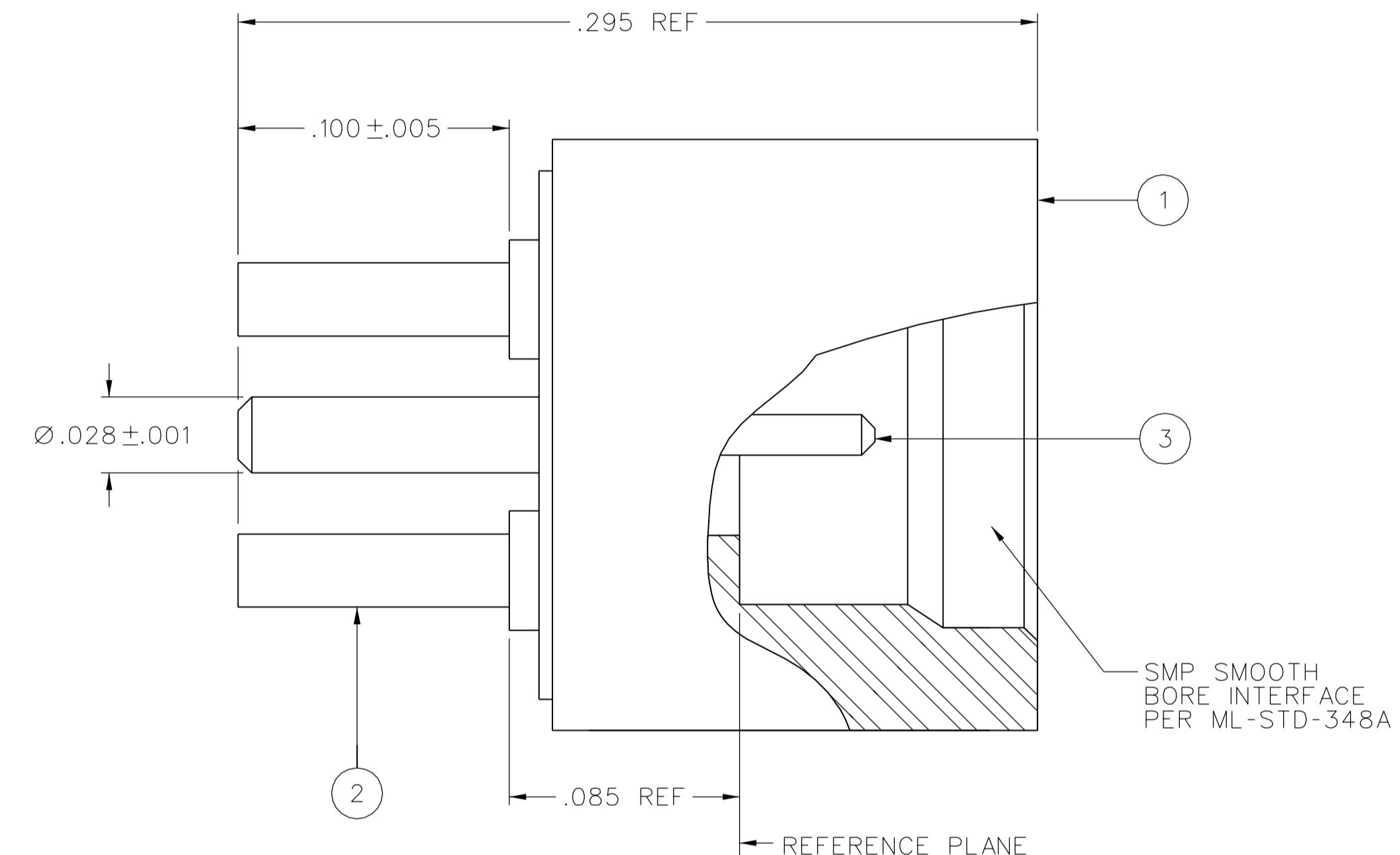
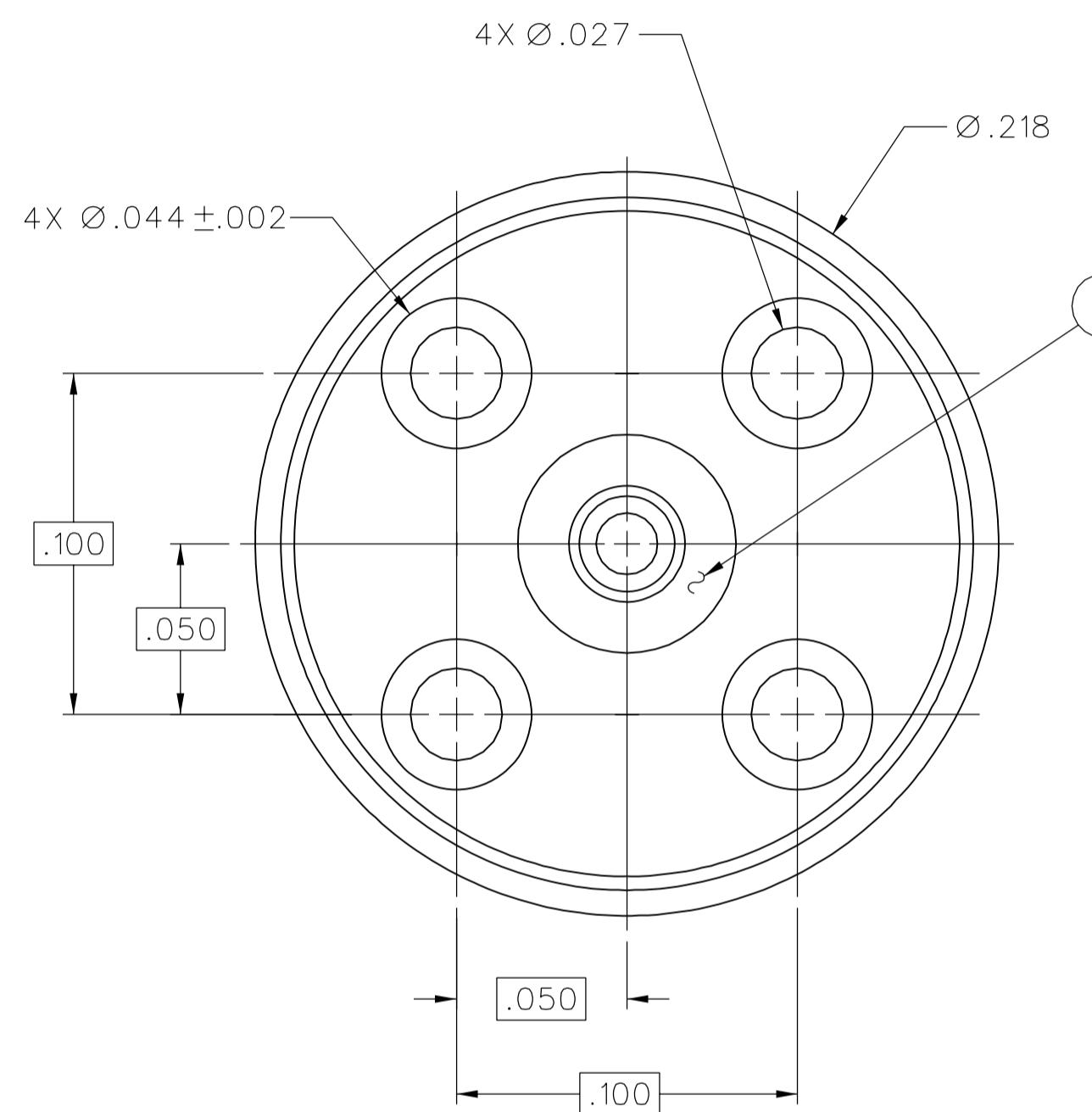


PART NUMBER	ITEM ① BODY	ITEM ② BASE	ITEM ③ CONTACT	ITEM ④ INSULATOR	DRAWING NO. C - 127-2701-201/210
142-2701-201	STAINLESS STEEL PASSIVATED	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	0 REVISIONS ENGINEERING RELEASE 1 6-11-07 P A R K U M P J D W C 6-12-07 ECN 51067



NOTES:

1. SPECIFICATIONS:

IMPEDENCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-12 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, SMOOTH BORE
ENGAGEMENT FORCE: 2 LBS MAX

DEENGAGEMENT FORCE: 0.5 LBS MIN

CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE

DURABILITY: 1000 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)

OPERATING TEMPERATURE: -65°C TO 165°C

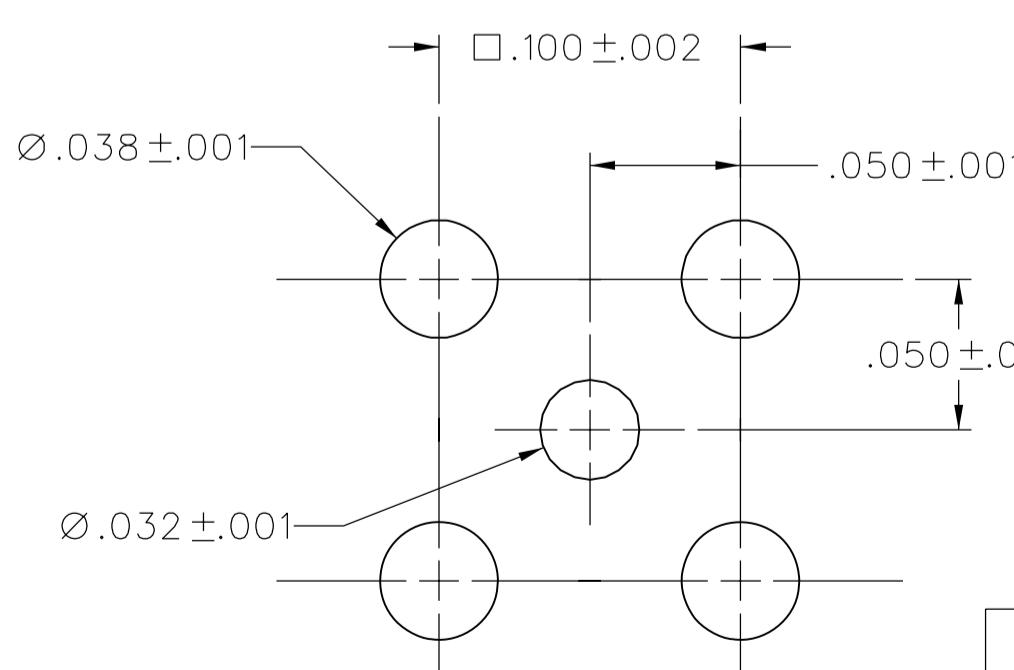
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 165°C HIGH TEMP

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



MOUNTING HOLE LAYOUT

15:1

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT	DATE 6-7-07
DECIMALS .XX	mm —	CHECKED BY JRK	DATE 6-11-07
.XXX ±.003	—	APPROVED BY PDW	DATE 6-11-07
MATL	—	RELEASE DATE	6-12-07
FINISH	—	U/M INCH	SCALE 20:1

 **cinch**
CONNECTIVITY SOLUTIONS
a bel group
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P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

SMP, SMOOTH BORE
STRAIGHT PC MOUNT

SHEET 2 OF 2 DRAWING NO.
C - 127-2701-201/210

Mouser Electronics

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