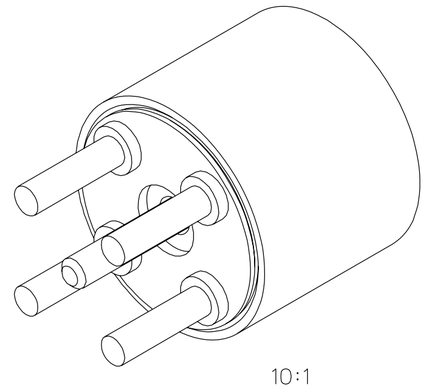
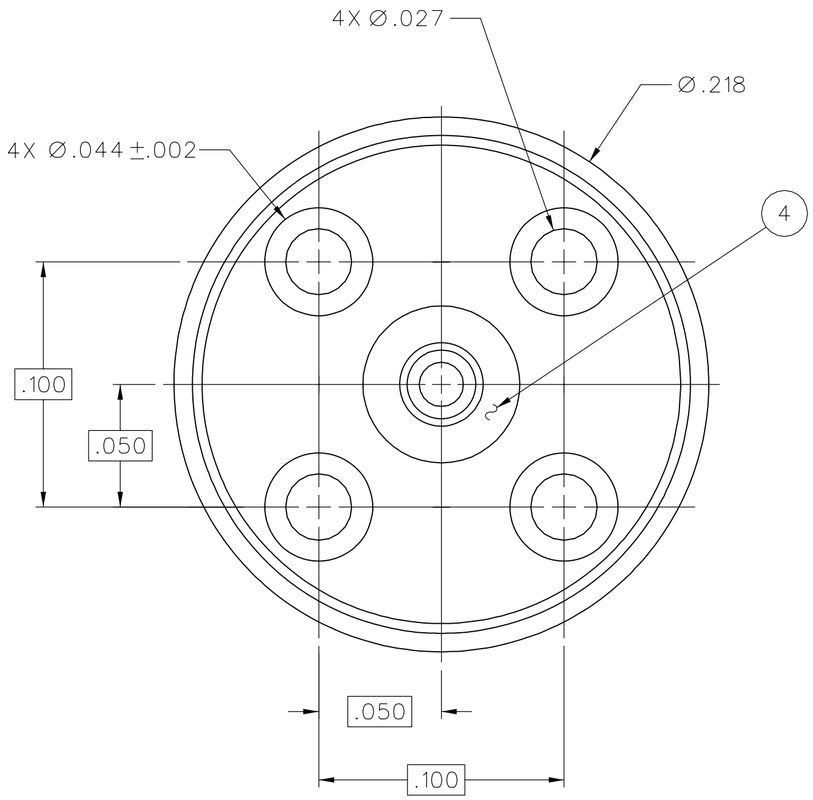
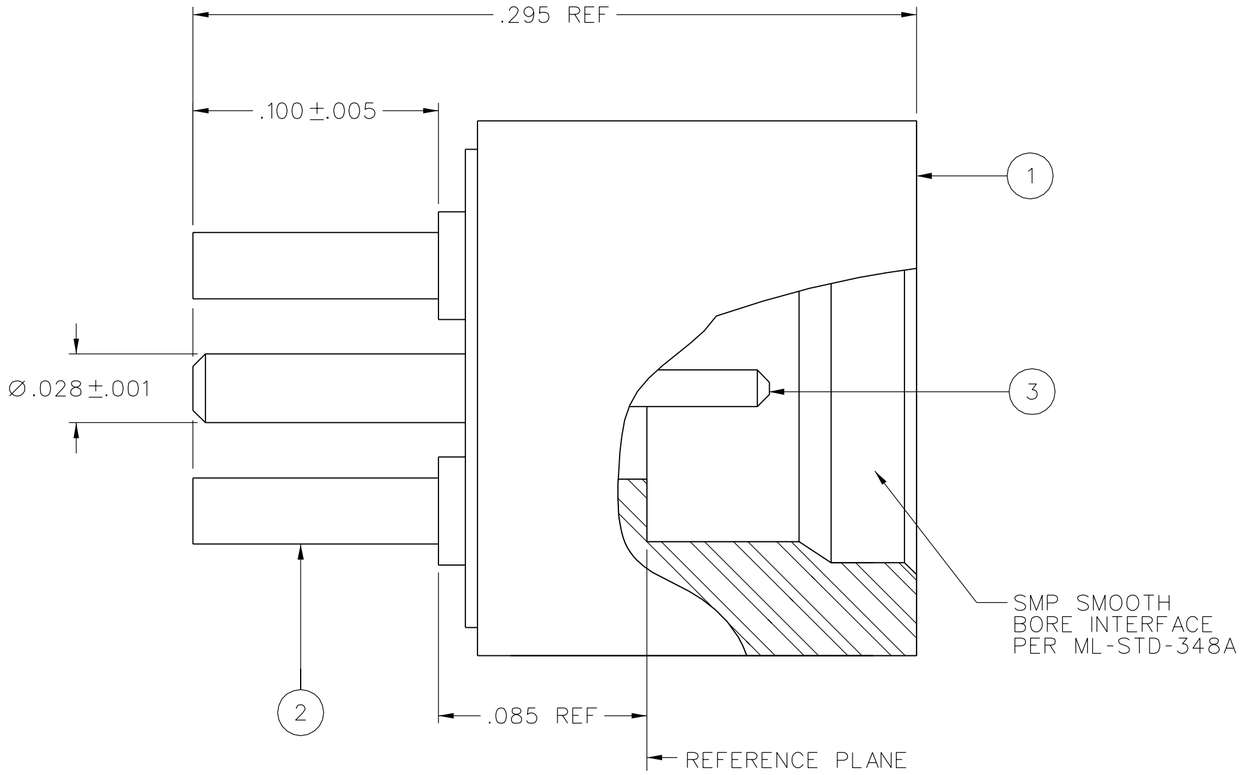
PART NUMBER	ITEM ① BODY	ITEM ② BASE	ITEM ③ CONTACT	ITEM ④ INSULATOR
142-2701-201	STAINLESS STEEL PASSIVATED	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON



10:1





NOTES:

1. SPECIFICATIONS:

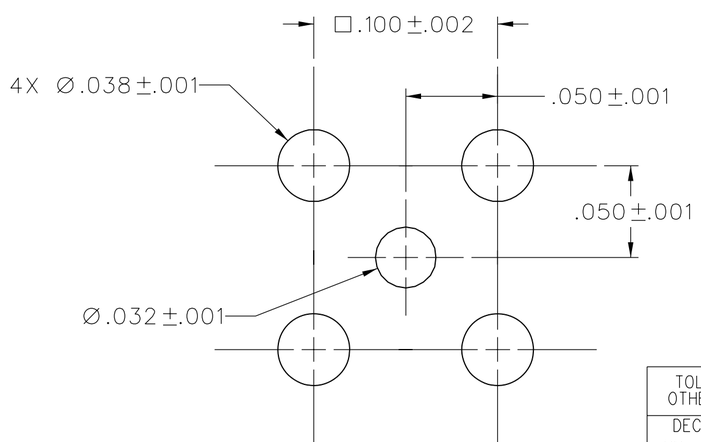
IMPEDENCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-12 GHz
VSWR: DEPENDANT ON APPLICATION
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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
DISENGAGEMENT 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

DRAWING NO.
C - 127-2701-201/210

0	REVISIONS						
ENGINEERING RELEASE							
1	6-11-07	PAT	JRK	MJU	PDW	JCN	6-12-07 ECN 51067

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

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

cinch CONNECTIVITY SOLUTIONS a bel group

Cinch Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
SMP, SMOOTH BORE
STRAIGHT PC MOUNT

SHEET 2 OF 2

DRAWING NO.
C - 127-2701-201/210

Please read our datasheet & drawing disclaimer here.