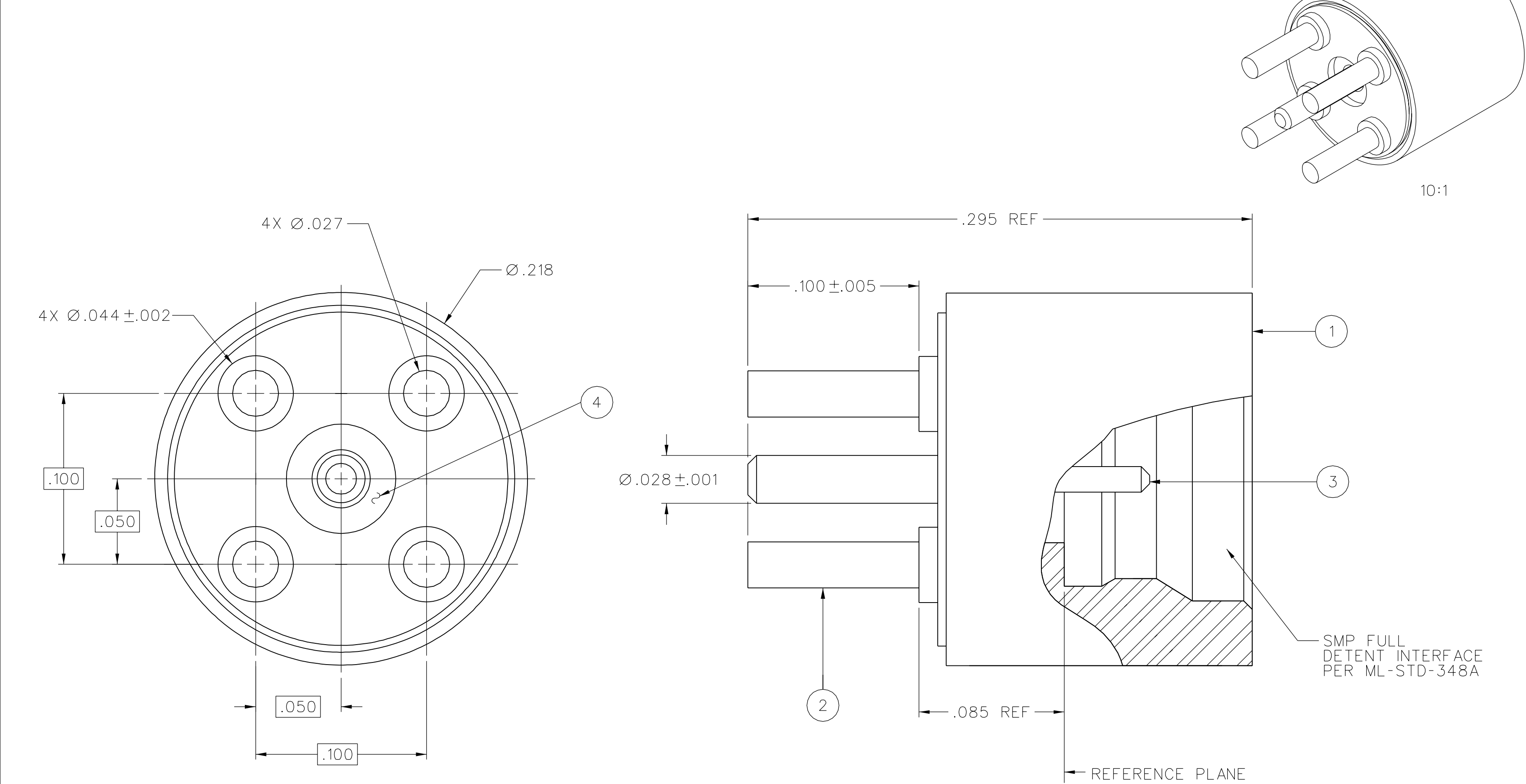
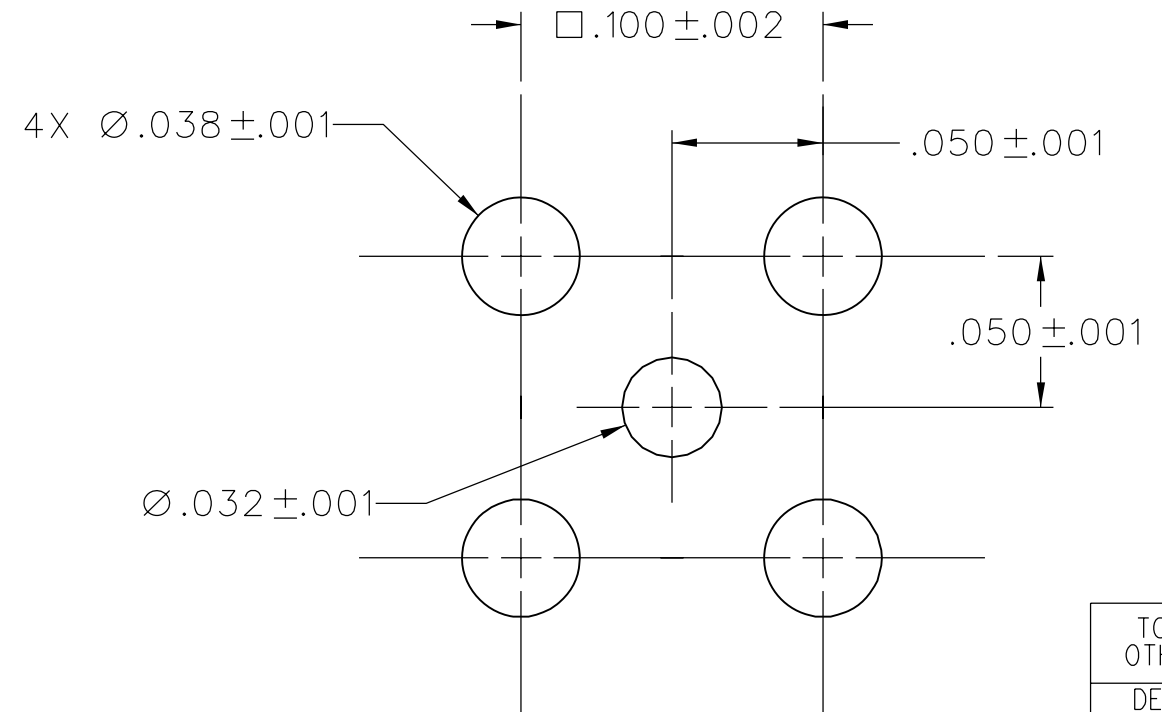


| PART NUMBER  | ITEM ①<br>BODY                | ITEM ②<br>BASE                                                                        | ITEM ③<br>CONTACT                                                                                | ITEM ④<br>INSULATOR |
|--------------|-------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|
| 142-0701-201 | STAINLESS STEEL<br>PASSIVATED | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              |



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, FULL DETENT  
ENGAGEMENT FORCE: 15 LBS MAX  
DISENGAGEMENT FORCE: 5 LBS MIN  
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE  
DURABILITY: 100 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<br>PAT         |                 | DATE<br>3/28/07 |                                                |  <b>cinch</b><br>CONNECTIVITY SOLUTIONS<br>a bel group | Cinch Connectivity Solutions<br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |  |
| DECIMALS                             | mm | CHECKED BY<br>JRK       | DATE<br>6-11-07 |                 | TITLE<br>SMP, FULL DETENT<br>STRAIGHT PC MOUNT |                                                                                                                                             |                                                                                     |  |
| .XX                                  |    | APPROVED BY<br>PDW      | DATE<br>6-11-07 |                 |                                                |                                                                                                                                             |                                                                                     |  |
| .XXX ±.003                           |    | RELEASE DATE<br>6-12-07 |                 |                 |                                                |                                                                                                                                             |                                                                                     |  |
| MATL                                 |    | U/M                     | INCH            | SCALE           | 20:1                                           | SHEET<br>2 OF 2                                                                                                                             | DRAWING NO.<br>C - 127-0701-201/210                                                 |  |
| FINISH                               |    |                         |                 |                 |                                                |                                                                                                                                             |                                                                                     |  |

CUSTOMER DRAWING

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

"μSTATION"

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