

| REVISIONS |     |                   |           |     |      |
|-----------|-----|-------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION       | DATE      | DWN | APVD |
|           | A   | ECN-24-279991;GTP | 19AUG2024 | TP  | WH   |

NOTES:

ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;

RoHS: COMPLIANT.

SPECIFICATIONS:

IMPEDANCE: 50Ω

FREQUENCY: DC to 26.5 GHz

VSWR: DC TO 18 GHz 1.28 max.  
18 TO 26.5 GHz 1.6 max.  
RETURN LOSS: DC TO 18 GHz 18.22 dB min.  
18 to 26.5 GHz 12.74 dB min.

INSERTION LOSS: 0.26 dB max.

DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS

CONTACT RESISTANCE:  
CENTER: 10 milliohms max.  
OUTER: 2 milliohms max.

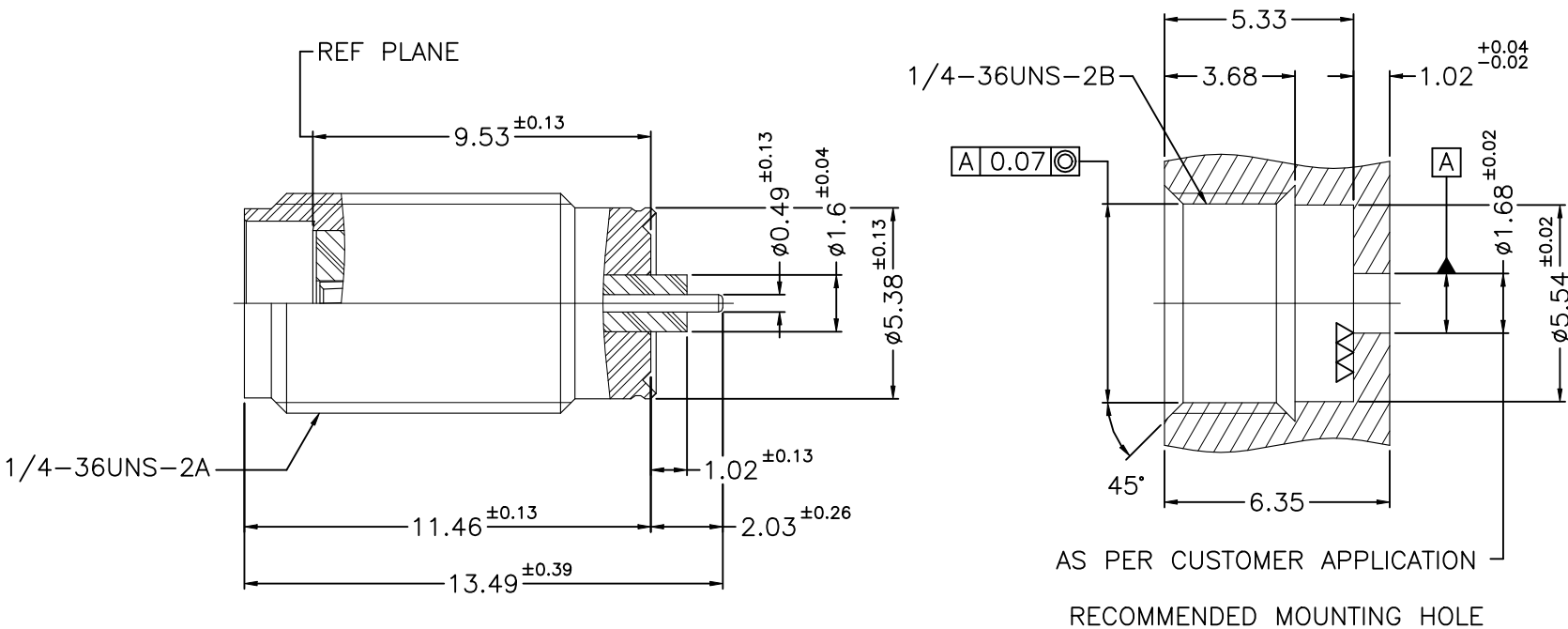
INSULATION RESISTANCE: 5000 MΩ

TEMPERATURE RANGE: -65°C TO +165°C

ENGAGEMENT AND DISENGAGEMENT FORCE:  
ENGAGEMENT: 2 in-lbs max.  
DISENGAGEMENT: 2 in-lbs max.

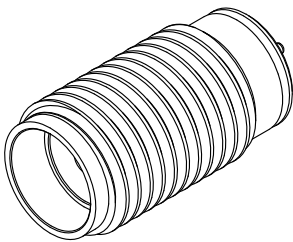
CONTACT RETENTION: 6 lbs. min.

LEAK TEST: 1X10-8 atm.cc/sec


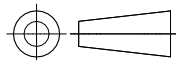


NOTES:

- FINISH (PLATING THICKNESS IN MICRO-INCHES)
- GOLD PL. 50 MIN. THICK OVER ELECTROLESS NICKEL PL. 100 MIN. THICK
  - GOLD PL. 100 MIN. THICK OVER ELECTROLESS NICKEL PL. 100 MIN. THICK



|                   | 1         | NATURAL        | PTFE               | INSULATOR    | 4    |
|-------------------|-----------|----------------|--------------------|--------------|------|
|                   | 1         | NOTE 1         | BERYLLIUM-COP      | CONTACT PIN  | 3    |
|                   | 1         | NATURAL        | PTFE               | INSULATOR    | 2    |
|                   | 1         | NOTE 2         | IRON-NI-COBALT     | SUB-ASSEMBLY | 1    |
|                   | 1         | GREEN          | GLASS Neg BH-14G/K |              |      |
|                   | 1         | NOTE 2         | IRON-NI-COBALT     |              |      |
|                   | 1         | NOTE 1         | STAINLESS STEEL    |              |      |
|                   | 2485922-1 | FINISH/PLATING | MATERIAL           | DESCRIPTION  | ITEM |
| QUANTITY PER ASSY |           | PARTS LIST     |                    |              |      |

|   |  |   |  |   |  |                    |                         |                        |
|---|--|---|--|---|--|--------------------|-------------------------|------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>TP<br>14JUNE2024                   |  | <div>TE Connectivity</div> |  |                    |                         |                        |
|   |  | CHK<br>TP<br>14JUNE2024                   |  |   |  |                    |                         |                        |
| DIMENSIONS:<br>mm   |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | NAME<br><br>SMA Jack Hermetic PNL F-Thru Knife Edge<br><br>—<br><br>—   |  |                    |                         |                        |
|  |  | 0 PLC ± 0.3                               |  |   |  |                    |                         |                        |
|   |  | 1 PLC ± 0.2                               |  |   |  |                    |                         |                        |
|   |  | 2 PLC ± 0.1                               |  |   |  |                    |                         |                        |
|   |  | 3 PLC ± 0.05                              |  |   |  |                    |                         |                        |
|   |  | 4 PLC ± —                                 |  |   |  |                    |                         |                        |
|   |  | ANGLES ± 5                                |  |   |  |                    |                         |                        |
| MATERIAL<br><br>SEE TABLE   |  | FINISH<br><br>SEE TABLE                   |  | SIZE<br>A3  |  | CAGE CODE<br>00779 | DRAWING NO<br>C-2485922 | RESTRICTED TO<br><br>— |
| CUSTOMER DRAWING  |  |   |  | SCALE<br>1:1  |  | SHEET<br>1 OF 1    |                         | REV<br>A               |

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