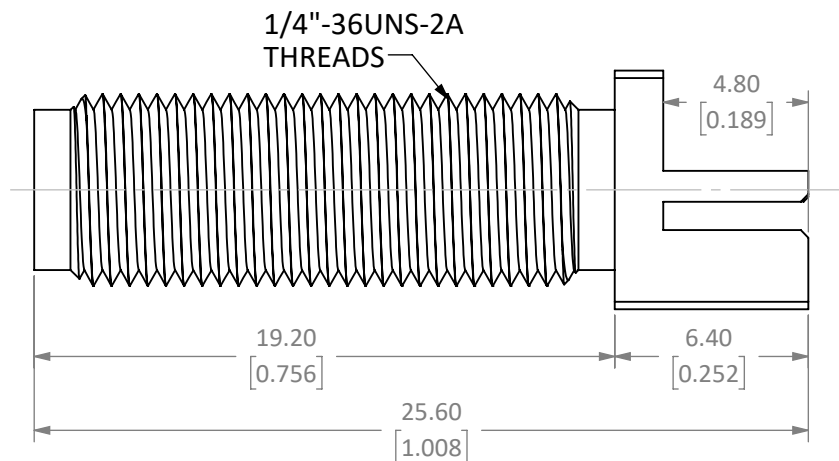
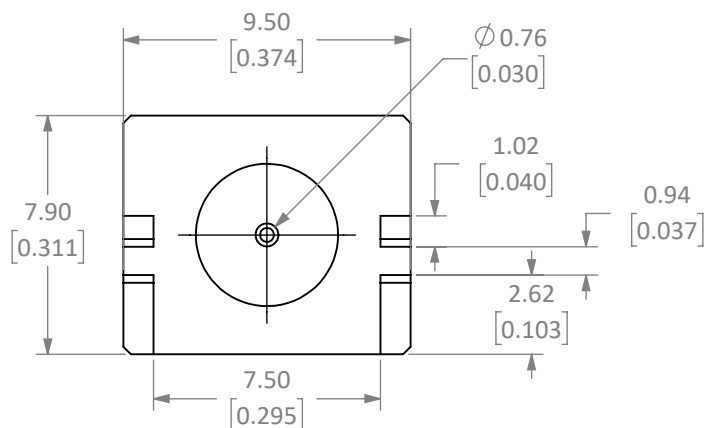


|                                                      |               |                 |                   |
|------------------------------------------------------|---------------|-----------------|-------------------|
| Connector: SMA Jack (Female Socket)                  |               |                 |                   |
| Termination: PCB Board Edge, End Launch; Panel Mount |               |                 |                   |
| Part Number                                          |               | CONSMA003.031-L | CONSMA003.031-L-G |
| Connector Part                                       | Material      | Finish          | Finish            |
| Bodies                                               | Body: Brass   | Nickel          | Gold              |
|                                                      | Washer: Brass | Nickel          | Gold              |
|                                                      | Nut: Brass    | Nickel          | Gold              |
| Center Contact                                       | Socket: Be Cu | Gold            | Gold              |
| Insulator                                            | PTFE          | -               | -                 |

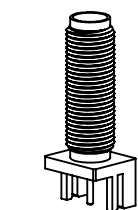


| REVISIONS |                                          |           |      |
|-----------|------------------------------------------|-----------|------|
| REV       | DESCRIPTION                              | DATE      | APPV |
| A         | INITIAL RELEASE OF LINX INTERNAL DRAWING | 01/MAR/19 | CLL  |

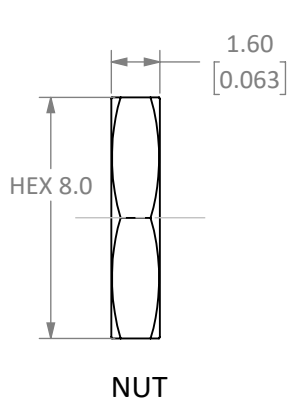


**NOTES: (UNLESS OTHERWISE SPECIFIED)**

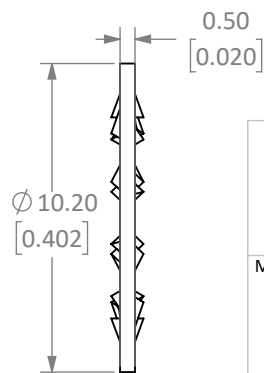
1. ALL DIMENSIONS ARE IN mm [INCHES].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. SAFETY BREAK ALL SHARP CORNERS AND EDGES 0.5 MAXIMUM.
5. SEE TABLE I FOR ELECTRICAL SPECIFICATIONS. (SHEET 2)
6. SEE TABLE II FOR ENVIRONMENTAL SPECIFICATIONS. (SHEET 2)
7. SEE TABLE III FOR MECHANICAL SPECIFICATIONS. (SHEET 2)
8. SEE PARTSLIST. "\*" INDICATES FINISH TYPE.



SCALE 1 : 1



NUT



WASHER

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|           |                                                     |                            |             |
|-----------|-----------------------------------------------------|----------------------------|-------------|
| MATERIAL: | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5. |                            | PROJECTION: |
|           | .X ± .1<br>.XX ± .01<br>.XXX ± .005                 | ANGLES: ± 1°<br>SURFACE: √ |             |
| FINISH:   | DRAWN: M. SCHULTE                                   | DT: 21/JAN/19              | SCALE: 4:1  |
|           | ENGR: DV                                            | DT: 08/MAR/19              |             |



159 ORT LANE  
MERLIN, OR 97532

TITLE:  
**SMA FEMALE EDGE MOUNT FOR  
0.031" THICK BOARD, EXTENDED**

|                      |                            |              |
|----------------------|----------------------------|--------------|
| SIZE                 | DWG. NO.                   | REV          |
| <b>A</b>             | <b>C-CONSMA003.031-L-X</b> | <b>A</b>     |
| DO NOT SCALE DRAWING |                            | SHEET 1 OF 2 |

5 TABLE I

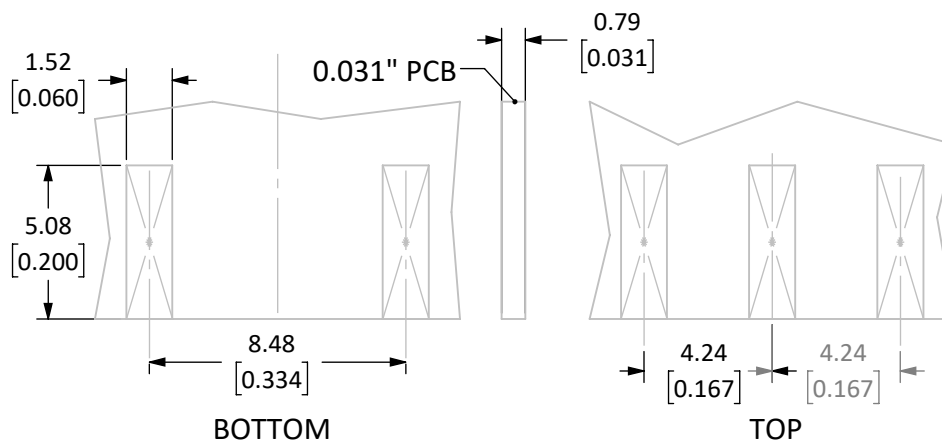
| Electrical Data       | Detail                                                     |                                                            |
|-----------------------|------------------------------------------------------------|------------------------------------------------------------|
|                       | CON SMA003.031-L                                           | CON SMA003.031-L-G                                         |
| Impedance             | 50 $\Omega$                                                | 50 $\Omega$                                                |
| Frequency Range       | 0 to 18 GHz                                                | 0 to 18 GHz                                                |
| Insulation Resistance | 5 000 M $\Omega$ min.                                      | 5 000 M $\Omega$ min.                                      |
| Voltage Rating        | 1 000 V RMS                                                | 500 V RMS                                                  |
| Contact Resistance    | Center: $\leq 3.0$ m $\Omega$ Outer: $\leq 2.5$ m $\Omega$ | Center: $\leq 2.0$ m $\Omega$ Outer: $\leq 2.0$ m $\Omega$ |
| VSWR                  | —                                                          | $\leq 1.2 : 1$ @ 6 GHz                                     |

6 TABLE II

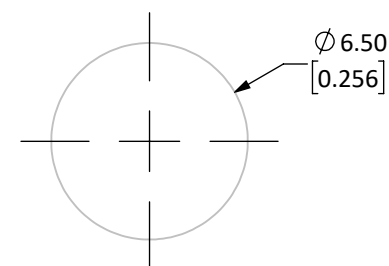
| Environmental Data       | Detail                                  |
|--------------------------|-----------------------------------------|
| Corrosion (Salt spray)   | ASTM B-117                              |
| Thermal Shock            | MIL-STD-202 Method 107 test condition B |
| Vibration                | MIL-STD-202 Method 204 test condition D |
| Mechanical Shock         | MIL-STD-202 Method 213 test condition I |
| Temperature Range        | -65 °C to +165 °C                       |
| Environmental Compliance | RoHS                                    |

7 TABLE III

| Mechanical Data              | Detail                                  |
|------------------------------|-----------------------------------------|
| Mounting Type                | PCB Board Edge, End Launch; Panel Mount |
| Fastening Type               | 1/4"-36 Threaded Coupling               |
| Interface In Accordance With | MIL-STD 348A                            |
| Recommended Torque           | 0.57 N·m (5.0 in·lbs)                   |
| Coupling Nut Retention       | 60 lbs. min.                            |
| Connector Durability         | 500 cycles min.                         |
| Weight                       | 4.2 g (0.15 oz)                         |



RECOMMENDED FOOTPRINT



RECOMMENDED MOUNTING HOLE

| SIZE       | DWG. NO.             | REV          |
|------------|----------------------|--------------|
| <b>A</b>   | CON SMA003.031-L-*   | <b>A</b>     |
| SCALE: 4:1 | DO NOT SCALE DRAWING | SHEET 2 OF 2 |