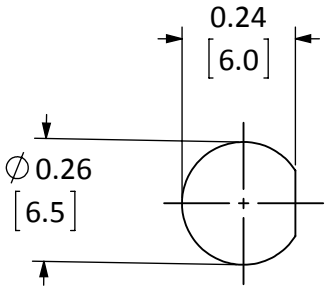
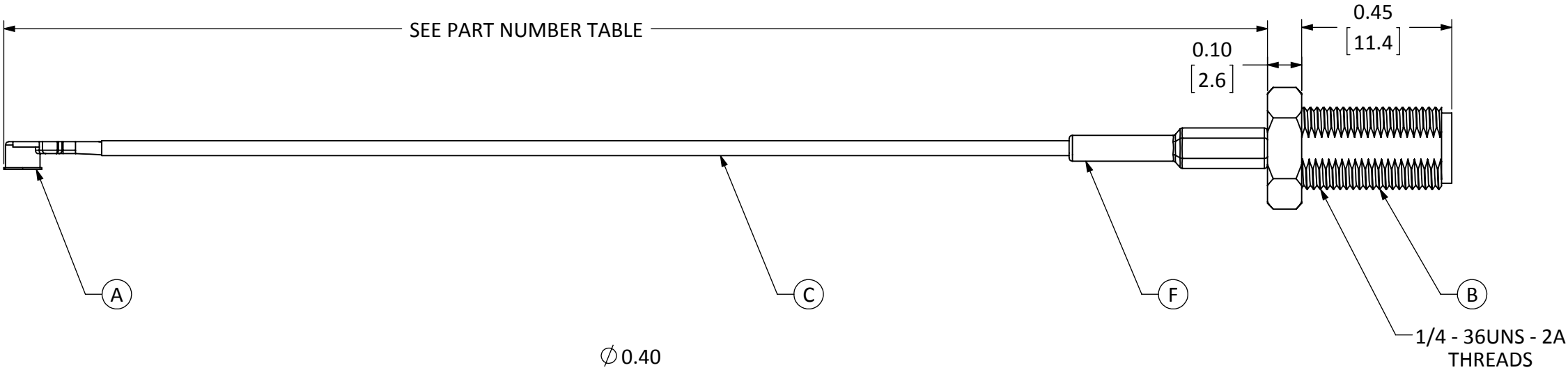


| ITEM | DESCRIPTION                             | MATERIAL          | FINISH |
|------|-----------------------------------------|-------------------|--------|
| A    | U.FL PLUG                               | BRASS             | GOLD   |
| B    | SMA FEM.<br>BULKHEAD MOUNT<br>CONNECTOR | BRASS             | GOLD   |
| C    | CABLE                                   | 1.13mm<br>COAXIAL | GRAY   |
| D    | NUT                                     | BRASS             | GOLD   |
| E    | WASHER                                  | BRASS             | GOLD   |
| F    | HEAT SHRINK<br>TUBING                   | POLYOLEFIN        | BLACK  |

| REVISIONS |                                                                                                                                         |           |      |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| REV       | DESCRIPTION                                                                                                                             | DATE      | APPV |
| A         | INITIAL RELEASE OF LINX INTERNAL DRAWING                                                                                                | 18-AUG-17 | CLL  |
| B         | UPDATED NOTES TO ADD TORQUE SPECIFICATIONS AND PACKAGING INSTRUCTIONS; ADDED MOUNTING HOLE; ADDED "-B" PART NUMBERS; UPDATED DIMENSIONS | 27-OCT-17 | CLL  |



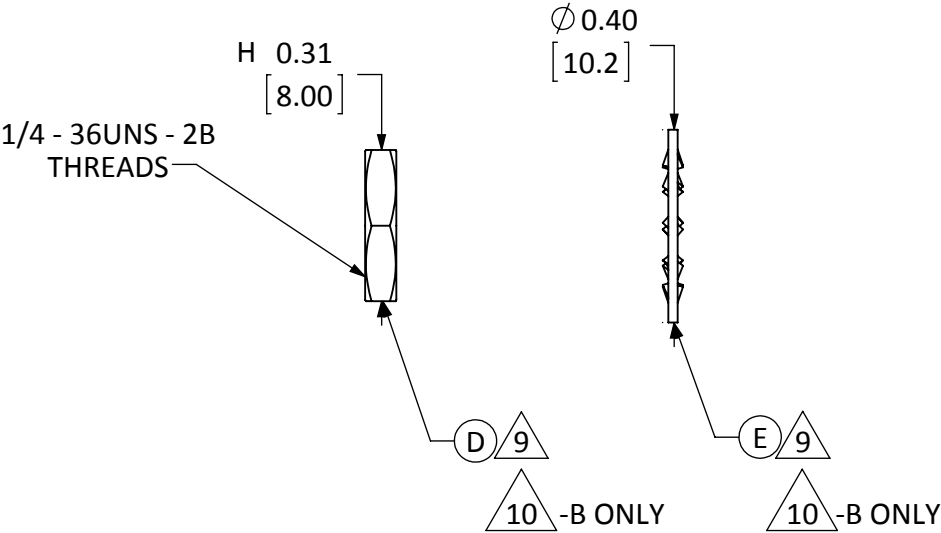
RECOMMENDED  
MOUNTING HOLE



NOTES: (UNLESS OTHERWISE SPECIFIED)

- ALL DIMENSIONS ARE IN INCHES [mm].
- DIMENSIONS APPLY AFTER FINISHING.
- 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.
- MINIMUM FREQUENCY RANGE: DC TO 3GHz.
- CABLE ASSEMBLY SPECIFICATIONS:
  - CHARACTERISITIC IMPEDANCE:  $50\Omega \pm 3\Omega$
  - INSERTION LOSS: 100mm - 0.34vf IN GHz TYP.  
200mm - 0.56vf IN GHz TYP.  
300mm - 0.73vf IN GHz TYP.
- CONNECTOR TO BE APPLIED IN ACCORDANCE WITH CONNECTOR SUPPLIER RECOMMENDED PROCEDURE.
- TORQUE SPECIFICATIONS:
  - BULKHEAD MOUNTING NUT TORQUE: 7 TO 10 in-lbs.
  - RECOMMENDED MATING TORQUE: 7 TO 10 in-lbs.

- 8 CONNECTORS TO BE ORIENTED WITH U.FL CONNECTOR MATING FACE 90° CLOCKWISE FROM BULKHEAD CONNECTOR THREAD FLAT FACE, AS SHOWN.
- 9 INSTALL WASHER (ITEM E) AND NUT (ITEM D) ONTO CONNECTOR BODY (ITEM B).
- 10 -B PART NUMBERS ONLY: SHIP WASHERS (ITEM E) AND NUTS (ITEM D) IN SEPARATE BAGS OF 100 PIECES EACH.



| PART NUMBER         | CABLE LENGTH  |
|---------------------|---------------|
| CSI-SGFB-100-UFFR   | 100mm ± 1.5mm |
| CSI-SGFB-200-UFFR   | 200mm ± 3.0mm |
| CSI-SGFB-300-UFFR   | 300mm ± 4.5mm |
| CSI-SGFB-100-UFFR-B | 100mm ± 1.5mm |
| CSI-SGFB-200-UFFR-B | 200mm ± 3.0mm |
| CSI-SGFB-300-UFFR-B | 300mm ± 4.5mm |

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|           |                                                       |             |
|-----------|-------------------------------------------------------|-------------|
| MATERIAL: | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.   | PROJECTION: |
|           | SURFACE FINISH: $\sqrt{}$ ANGLES: $\pm 1^\circ$       |             |
|           | TOLERANCES: .X $\pm .1$ .XX $\pm .01$ .XXX $\pm .005$ |             |
| FINISH:   | DRAWN: B.MURPHY DT: 26-JUL-17                         |             |
|           | ENGR: D.VARATHARAJAN DT: 18-AUG-17                    |             |

**Linx** 159 ORT LANE  
MERLIN, OR 97532

TITLE:  
**CABLE ASSEMBLY, U.FL TO FEM.  
BLKHD SMA, 1.13mm CBL**

|              |                      |              |
|--------------|----------------------|--------------|
| SIZE         | DWG. NO.             | REV          |
| <b>B</b>     | CSI-SGFB-ccc-UFFR-p  | <b>B</b>     |
| SCALE: 2.5:1 | DO NOT SCALE DRAWING | SHEET 1 OF 1 |