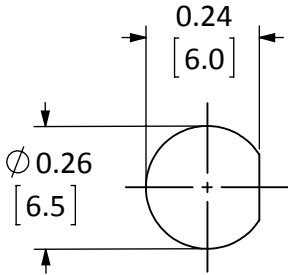
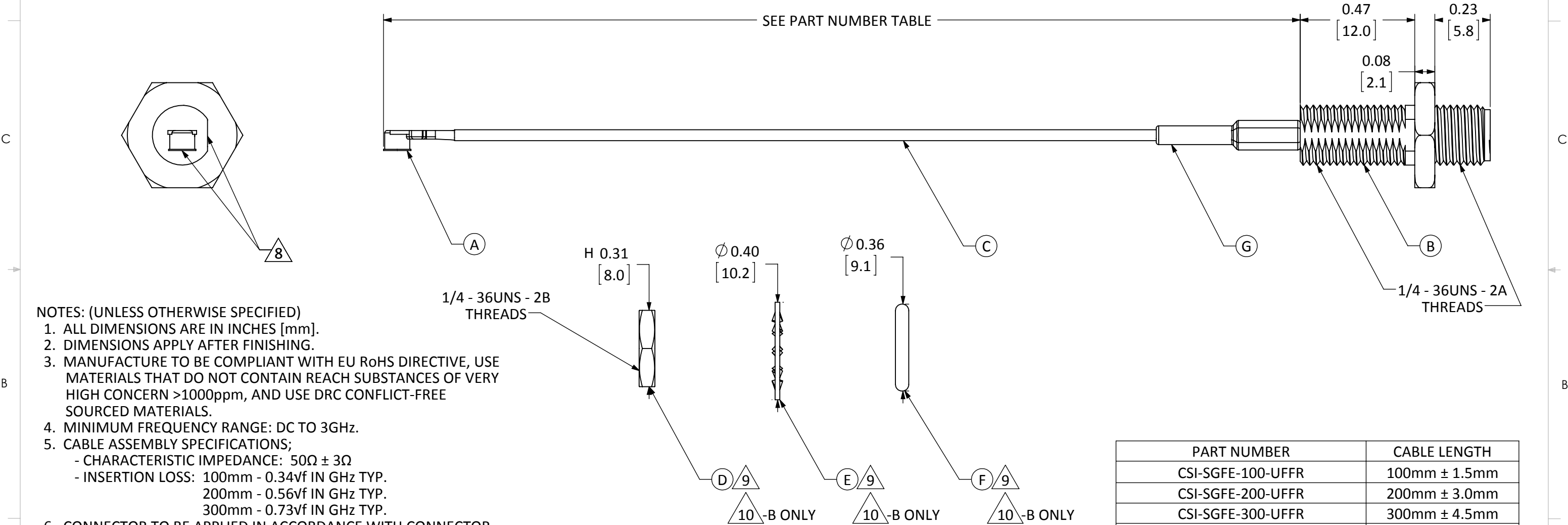


| ITEM | DESCRIPTION                              | MATERIAL       | FINISH |
|------|--|----------------|--------|
| A    | U.FL PLUG                                | BRASS          | GOLD   |
| B    | SEALED SMA FEM. BULKHEAD MOUNT CONNECTOR | BRASS          | GOLD   |
| C    | CABLE                                    | 1.13mm COAXIAL | GRAY   |
| D    | NUT                                      | BRASS          | GOLD   |
| E    | WASHER                                   | BRASS          | GOLD   |
| F    | O-RING                                   | Si RUBBER      | BLACK  |
| G    | HEAT SHRINK 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;
    - CHARACTERISTIC IMPEDANCE: 50Ω ± 3Ω
    - 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 O-RING (ITEM F), WASHER (ITEM E) AND NUT (ITEM D) ONTO CONNECTOR BODY (ITEM B).

- 10 - B PART NUMBERS ONLY: SHIP O-RINGS (ITEM F), WASHERS (ITEM E) AND NUTS (ITEM D) IN SEPARATE BAGS OF 100 PIECES EACH.

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

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

|  |                                 |              |  |
|--|---------------------------------|--------------|--|
| TITLE:<br>CABLE ASSEMBLY, U.FL TO FEM. BLKHD SMA, 1.13mm CBL |                                 |              |  |
| SIZE<br>B  | DWG. NO.<br>CSI-SGFE-ccc-UFFR-p | REV<br>B     |  |
| SCALE: 2.5:1   | DO NOT SCALE DRAWING            | SHEET 1 OF 1 |  |

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