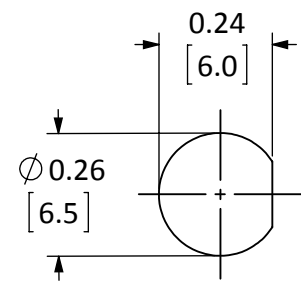
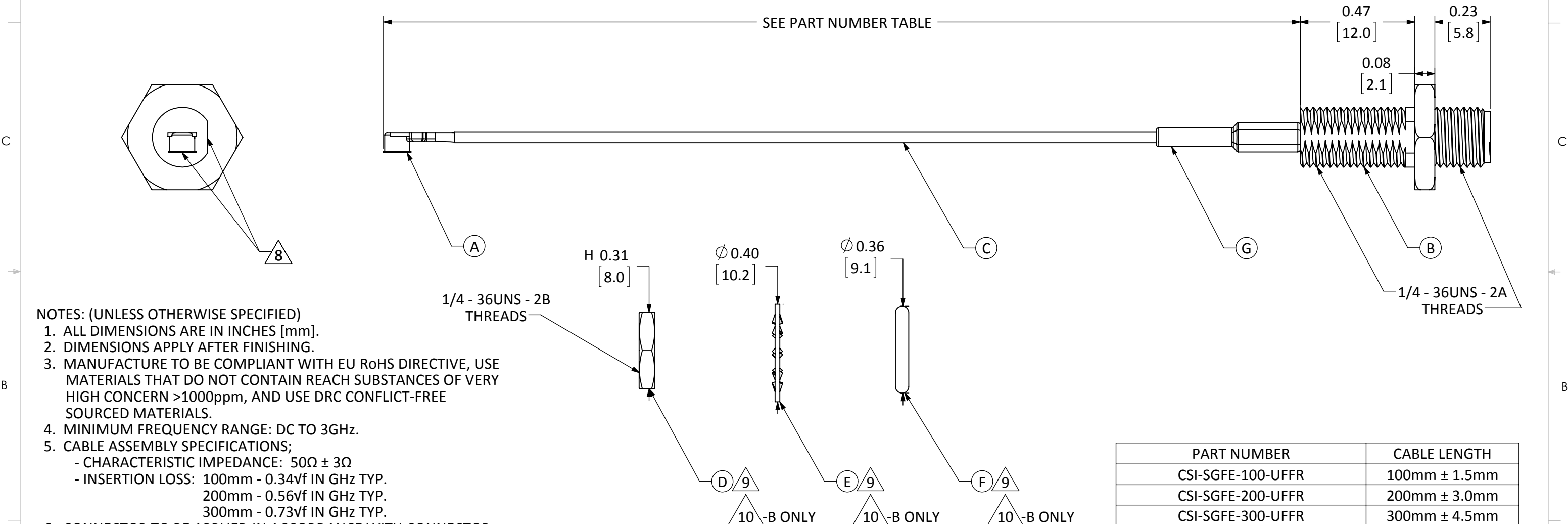


| ITEM | DESCRIPTION | MATERIAL | FINISH |
|------|--|----------------|--------|
| A | U.FL PLUG | BRASS | GOLD |
| B | SEALED SMA FEM. BULKHEAD MOUNT CONNECTOR | BRASS | GOLD |
| C | CABLE | 1.13mm COAXIAL | GRAY |
| D | NUT | BRASS | GOLD |
| E | WASHER | BRASS | GOLD |
| F | O-RING | Si RUBBER | BLACK |
| 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: $50\Omega \pm 3\Omega$
 - 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 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: |
| FINISH: | SURFACE FINISH: $\sqrt{32}$ ANGLES: $\pm 1^\circ$ | |
| | TOLERANCES: .X \pm .1 .XX \pm .01 .XXX \pm .005 | |
| | 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 B | DWG. NO. CSI-SGFE-ccc-UFFR-p | REV B |
| SCALE: 2.5:1 | DO NOT SCALE DRAWING | SHEET 1 OF 1 |

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