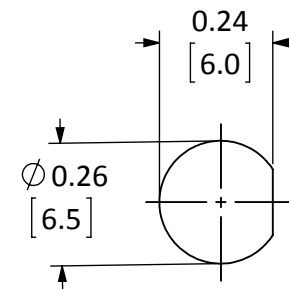
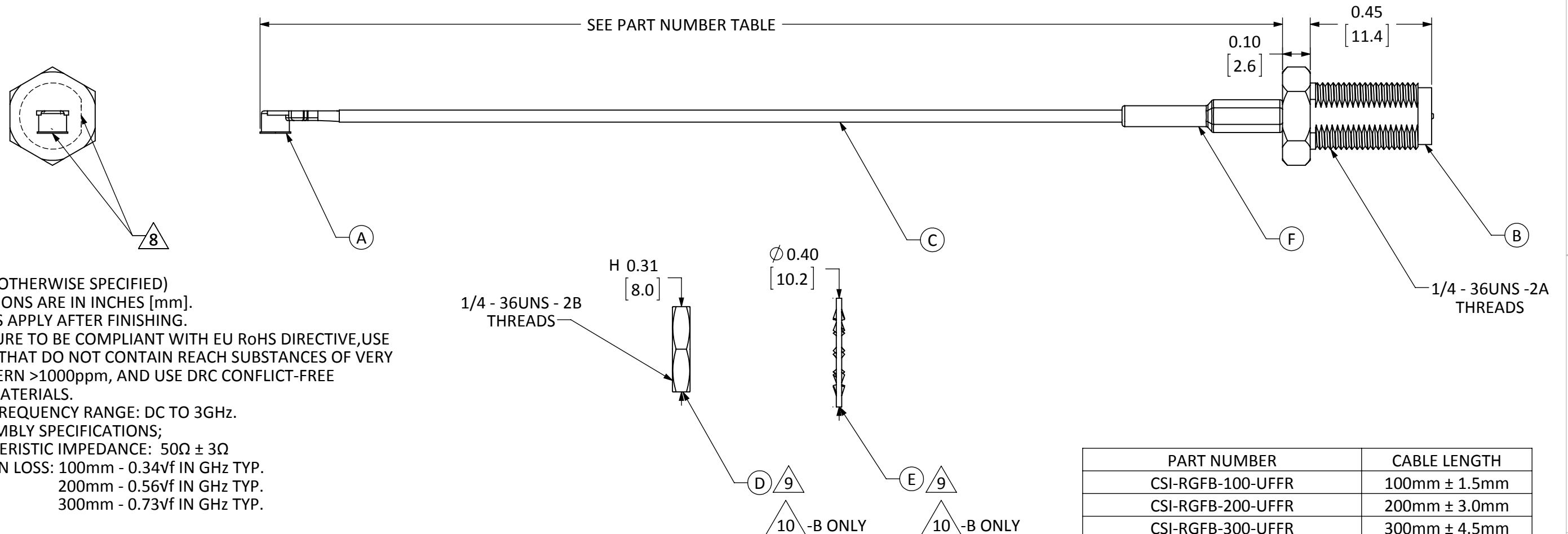


| ITEM | DESCRIPTION                                | MATERIAL          | FINISH |
|------|--------------------------------------------|-------------------|--------|
| A    | U.FL PLUG                                  | BRASS             | GOLD   |
| B    | RP-SMA FEM.<br>BULKHEAD MOUNT<br>CONNECTOR | 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 LINUX INTERNAL DRAWING                                                                                                            | 14-MAY-15 | SAH  |
| B         | UPDATED NOTES NUMBERING; UPDATED NOTE 5; ADDED FLAG NOTE 7 AND VIEW TO ILLUSTRATE CONNECTOR ORIENTATION; ADDED DIMENSIONS; UPDATED DESCRIPTION TABLE | 1-SEP-15  | SAH  |
| C         | UPDATED TO ADD DIMENSIONS TO NUT AND WASHER                                                                                                          | 13-JUL-16 | SAH  |
| D         | 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)

1. ALL DIMENSIONS ARE IN INCHES [mm].
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. MINIMUM FREQUENCY RANGE: DC TO 3GHz.
5. 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.

6. CONNECTORS TO BE APPLIED IN ACCORDANCE WITH CONNECTOR SUPPLIER RECOMMENDED PROCEDURE
7. 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-RGFB-100-UFFR   | 100mm ± 1.5mm |
| CSI-RGFB-200-UFFR   | 200mm ± 3.0mm |
| CSI-RGFB-300-UFFR   | 300mm ± 4.5mm |
| CSI-RGFB-100-UFFR-B | 100mm ± 1.5mm |
| CSI-RGFB-200-UFFR-B | 200mm ± 3.0mm |
| CSI-RGFB-300-UFFR-B | 300mm ± 4.5mm |

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|           |                                                     |
|-----------|-----------------------------------------------------|
| MATERIAL: | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5. |
|-----------|-----------------------------------------------------|

SURFACE FINISH:  $\sqrt{32}$  ANGLES:  $\pm 0.5^\circ$   
TOLERANCES:  $X \pm 1$  .XX  $\pm 0.01$

|         |                         |
|---------|-------------------------|
| FINISH: | TOLERANCES: .XX ±.1 .XX |
|         | DRAWN: B.MURPHY         |

ENGR: C.LEWIS

PROJECTION

1.  .XXX +.005

T: 14-APR-15

T: 14-MAY-1

|  |              |
|--|--------------|
|  | <b>Linux</b> |
|--|--------------|

159 ORT LANE  
MERLIN, OR 97532

**TITLE:**

CABLE ASSEMBLY, U.FL TO FEM.  
BLKHDRP-SMA, 1.13mm CBL

|      |  |
|------|--|
| SIZE |  |
|------|--|

|          |  |
|----------|--|
| DWG. NO. |  |
|----------|--|

|   |          |
|---|----------|
| 5 | <b>B</b> |
|---|----------|

CSI-RGFB-ccc-UFFR-p

D

5 SCALE: 2.5:1

DO NOT SCALE DRAWING

SHEET 1 OF 1

OCFDFB\_C