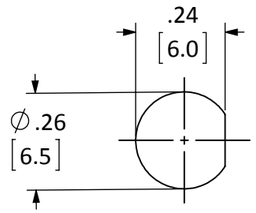
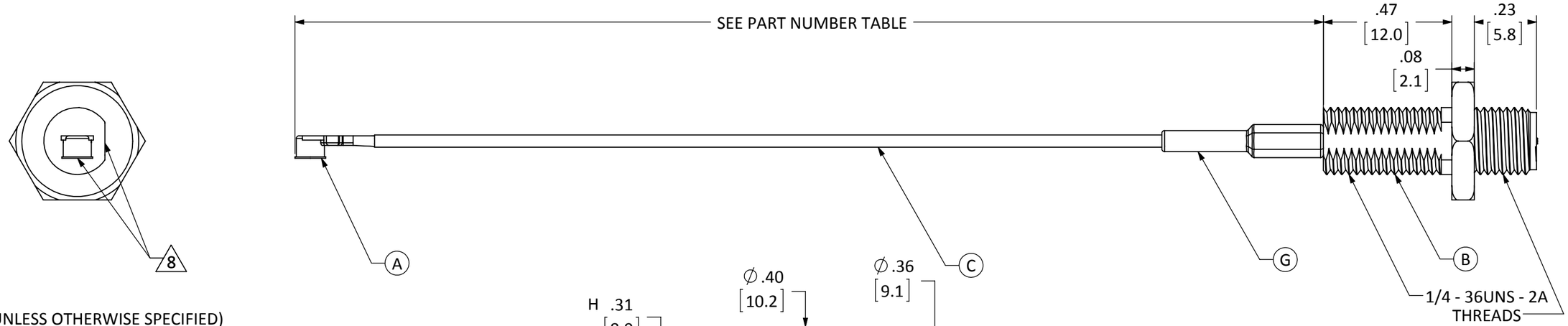
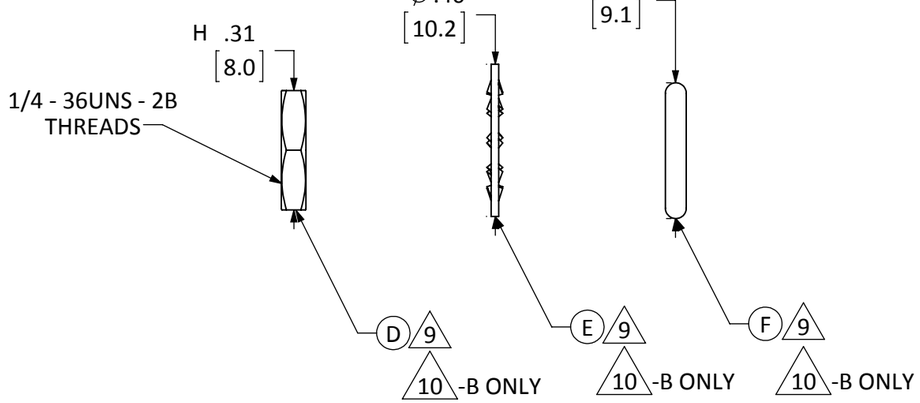
ITEM	DESCRIPTION	MATERIAL	FINISH
A	U.FL PLUG	BRASS	GOLD
B	SEALED RP-SMA FEM. BULKHEAD MOUNT CONNECTOR	BRASS	GOLD
C	CABLE	1.13mm COAXIAL	GRAY
D	NUT	BRASS	GOLD
E	WASHER	BRASS	GOLD
F	O-RING	Si RUBBER	BLACK
G	HEAT SHRINK TUBING	POLYOLEFIN	BLACK

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)
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;
   - CHARACTERISITIC IMPEDANCE: 50Ω ± 3Ω
   - INSERTION LOSS: 100mm - 0.34√f IN GHz TYP.
     200mm - 0.56√f IN GHz TYP.
     300mm - 0.73√f IN GHz TYP.
6. CONNECTOR 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 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-RGFE-100-UFFR	100mm ± 1.5mm
CSI-RGFE-200-UFFR	200mm ± 3.0mm
CSI-RGFE-300-UFFR	300mm ± 4.5mm
CSI-RGFE-100-UFFR-B	100mm ± 1.5mm
CSI-RGFE-200-UFFR-B	200mm ± 3.0mm
CSI-RGFE-300-UFFR-B	300mm ± 4.5mm

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MATERIAL:

FINISH:

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.

PROJECTION:

SURFACE FINISH: √32 ANGLES: ±1°

TOLERANCES: .X ±.1 .XX ±.01 .XXX ±.005

DRAWN: B.MURPHY DT: 26-JUL-17

ENGR: D.VARATHARAJAN DT: 18-AUG-17

159 ORT LANE
MERLIN, OR 97532

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

SIZE	DWG. NO.	REV
B	CSI-RGFE-ccc-UFFR-p	B

SCALE: 2.5:1 DO NOT SCALE DRAWING SHEET 1 OF 1

LDCFDFB_C