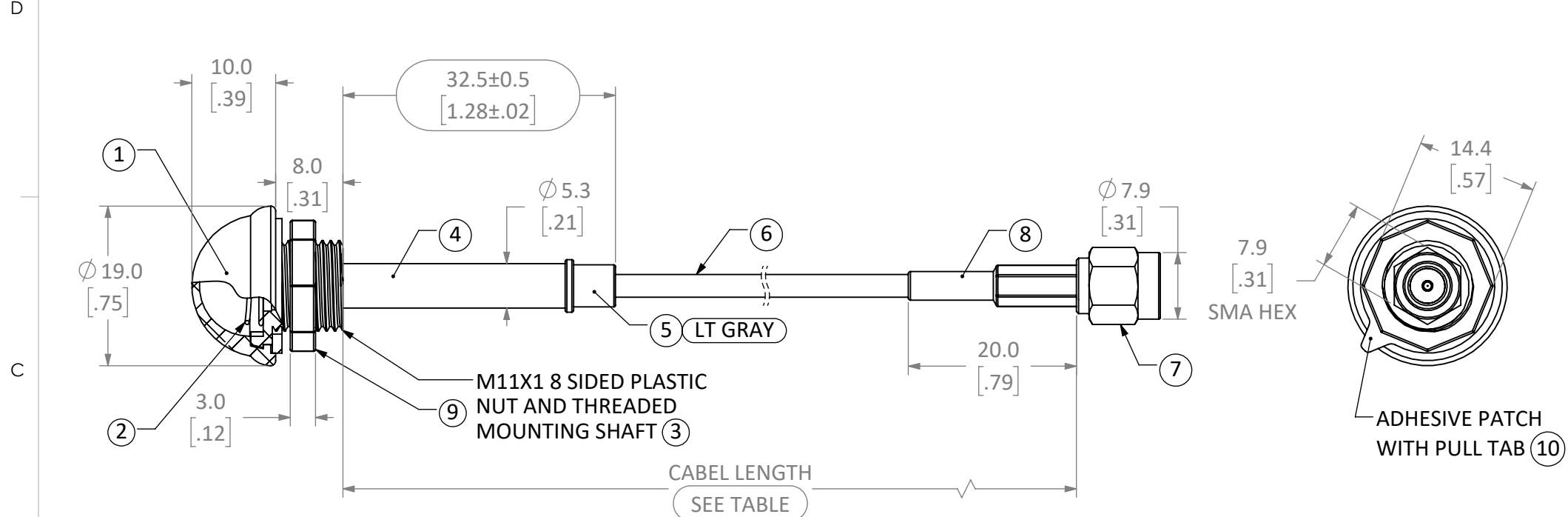


REVISIONS			
REV	DESCRIPTION	DATE	APPV
B	ADDED PACKAGING INFORMATION, MHF4 CONFIG, BEND RAD AND MAX PNL THICKNESS, UNIT WAS INCH	JHAGER 10/28/21	DV 11/10/21
C	ADDED MHF3 PER SETUP FORM 11/21	JHAGER 11/22/21	DV 11/25/21
D	UPDATED DRAWING TO REMOVE HEAT SHRINK FOR 1.13 AND 1.32 CABLE TYPES. UPDATE NOTES	JHAGER 12/15/21	DV
E	UPDATED DESIGN TO REDUCE TABULATION VARIABLES. DRWG WAS ANT-DB1-WRT-CCC	JHAGER 3/8/22	



- NOTES: (UNLESS OTHERWISE SPECIFIED)
- ALL DIMENSIONS ARE IN MILLIMETERS [in].
  - 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.
  - PACKAGE ANTENNAS INDIVIDUALLY PRIOR TO PLACING IN LOT BAG. LABEL LOT BAG, AND BOX WITH THE FOLLOWING INFORMATION ONLY:
    - LOT NUMBER
    - LINX PART NUMBER
    - QUANTITY
    - COUNTRY OF ORIGIN
  - ANTENNA QUALIFIED AND TESTED IAW LINX INTERNAL TEST PLAN DOCUMENT AT LATEST REVISION.
  - ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. SEE LINX DATA SHEET FOR COMPLETE ELECTRICAL PROPERTIES:
    - CENTER FREQUENCY DUAL BAND
      - BAND1: 2.4GHz
      - BAND2: 5.8GHz
    - 50Ω IMPEDANCE
    - VSWR <2.0 TYP @ CENTER
  - MECHANICAL:
    - USE TEMPERATURE: -40°C - +90°C
    - INSTALLATION TEMPERATURE: +10° - +40°C
    - STORAGE TEMPERATURE: +20° @ 50%RH
    - BULKHEAD PLASTIC NUT TORQUE: NTE 4.0kgf/cm [5in/lbs]
    - Ø.425" [10.8mm] RECOMMENDED INSTALL HOLE SIZE
    - MINIMUM BEND RADIUS: 10.2mm
    - MAX PANEL THICKNESS: 4.7mm [.188"]
    - INTERFACE: REVERSE POLARITY SMA TYPE INTERFACES WITH OTHER LIKE TYPE RP-SMA CONNECTORS.
    - WEIGHT: 12.5g

ITEM NUMBER	DESCRIPTION
10	GASKET FOAM ADH ACRYLIC/ACRYLIC
9	NUT OCT M11X1 POM BLACK
8	SHRINK TUBE 2:1 POLYOL BLACK
7	CONNECTOR RP-SMA TYPE GOLD/BRASS
6	CABLE COAX RG174U BLACK
5	GUIDE CABLE DB1 ABS LT GRAY
4	COUNTERPOISE DB ELEM NICKEL/BRASS
3	BASE THREADED M11X1 ABS BLACK
2	ELEMENT 2.4/5.8GHZ DB1 COIL SWC
1	COVER ELEMENT ABS BLACK

CABLE LENGTH TABULATION	
LINX PART NUMBER	CABLE LENGTH
ANT-DB1-WRT-RPS	216±2mm [8.50]

**WARNING:** THIS DRAWING CONTAINS PROPRIETARY INFORMATION THAT IS THE SOLE PROPERTY OF LINX TECHNOLOGIES, AND SHALL BE TREATED AS SUCH. NO DISCLOSURE OR REPRODUCTION OF THIS DOCUMENT IS PERMITTED, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN PERMISSION OF LINX TECHNOLOGIES OR ITS DESIGNATED AGENTS.

MATERIAL: INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.  
 WEIGHT: .X ±2.0 .XX ±1.00 .XXX ±.500 ANGLES: ±1° SURFACE: PROJECTION:  
 FINISH: DRAWN: JHAGER DT: 10/8/20 ENGR: DASARATHAN DT: 3/1/21

**STE connectivity** 159 ORT LANE MERLIN, OR 97532

TITLE: **ANTENNA PURCHASED ASSEMBLY WRT VAR END CONN AND PACK**

SIZE DWG. NO. REV  
**B** C-ANT-DB1-WRT-RPS-LLL **E**

SCALE: 1.5:1 DO NOT SCALE DRAWING SHEET 1 OF 1