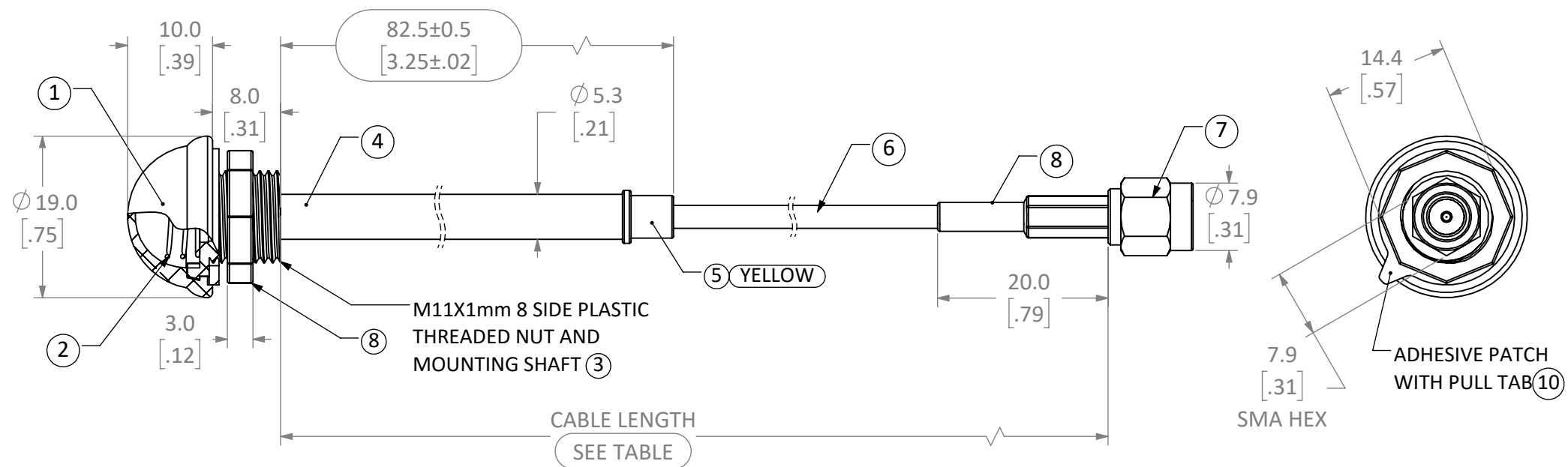


REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	PRODUCTION RELEASE	JHAGER 10/8/20	DV 3/1/21
B	ADJUSTED COUNTERPOISE SIZE PER DESIGN CHANGE. CHANGED DIMENSIONAL POINT ON U.FL CONNECTION. UNITS WAS INCHES PRIMARY. ADJUSTED TOLERANCES TO SUIT MFG CAPABILITY. ADDED MHF4 CAPABILITY.	JHAGER 5/7/2021	DV 11/1/21
C	UPDATED DESIGN TO REDUCE TABULATION VARIABLES. DRWG WAS ANT-916-WRT-CCC-X	JHAGER 3/4/2022	

D D



- 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 DOCUEMNT AT LATEST REVISION.
 - ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. SEE LINX DATA SHEET FOR COMPLETE ELECTRICAL PROPERTIES:
 - CENTER FREQUENCY 916 MHz
 - 50Ω IMPEDANCE
 - VSWR <1.5 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 WITH SMA TYPE REVERSE POLARITY 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 916MHZ ABS YELLOW
4	COUNTERPOISE 916MHZ ELEM NICKEL/BRASS
3	BASE THREADED M11X1 ABS BLACK
2	ELEMENT 916MHZ COIL SWC
1	COVER ELEMENT ABS BLACK

B B

DESIGN TABLE	
LINX PART NUMBER	CABLE LENGTH
ANT-916-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.
 .X ±2.0 ANGLES: ±1°
 .XX ±1.00 SURFACE:
 .XXX ±.500

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-916-WRT-RPS-LLL **C**

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

A A