



| REVISIONS |  |                     |                |
|-----------|--|---------------------|----------------|
| REV       | DESCRIPTION                                  | DATE                | APPV           |
| A         | PRODUCTION RELEASE                           | JHAGER<br>4/16/2021 | DV<br>11/12/21 |
| B         | ADDED 916-SMA VERSION                        | JHAGER<br>6/1/2022  | DV<br>6/11/22  |
| C         | UPDATED TABULATION TO ADD W63 CONFIGURATION. | JHAGER<br>8/8/2022  | DV<br>8/9/22   |

- NOTES: (UNLESS OTHERWISE SPECIFIED)
- ALL DIMENSIONS ARE IN MILLIMETERS [IN].
  - DIMENSIONS APPLY AFTER FINISHING. UNLISTED GEOMETRY CONTROLLED BY MANUFACTURER DRAWINGS AT CURRENT REVISION.
  - 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.
  - ELECTRICAL SPECIFICATIONS ARE FOR REFERENCE ONLY. SEE LINX DATA SHEET FOR ELECTRICAL PROPERTIES.
    - IMPEDANCE: 50Ω
    - VSWR: NTE 2.0
    - FREQUENCY: SEE TABLE
  - ANTENNA QUALIFIED IAW ANTENNA TEST PLAN DOCUMENT AT LATEST REVISION.
  - MECHANICAL SPECIFICATIONS
    - OPERATING RANGE: -20° - +85°C
    - INTERFACE: SMA TYPE IAW MIL-STD-348B. RP-SMA TYPE TO INTERFACE WITH REVERSE POLARITY PIN AND BODY TYPE.
  - PACKAGE EACH UNIT SEPERATELY BEFORE PLACING IN LOT BAG
  - MARK EACH LOT BAG, AND BOX USING SUPPLIED LABEL TEMPLATE.

| LINX PART NUMBER   | CONNECTOR | CENTER FREQUENCY | COLOR STRIPE PANTONE |
|--------------------|-----------|------------------|----------------------|
| ANT-315-CW-RCS     | RP-SMA    | 315 MHz          | GREEN [#348C]        |
| ANT-418-CW-RCS     | RP-SMA    | 418 MHz          | BLUE [#301C]         |
| ANT-433-CW-RCS     | RP-SMA    | 433 MHz          | RED [#032C]          |
| ANT-433-CW-RCS-SMA | SMA       | 433 MHz          | RED [#032C]          |
| ANT-868-CW-RCS     | RP-SMA    | 868 MHz          | GREY [#429C]         |
| ANT-868-CW-RCS-SMA | SMA       | 868 MHz          | GREY [#429C]         |
| ANT-916-CW-RCS     | RP-SMA    | 916 MHz          | YELLOW [#116C]       |
| ANT-916-CW-RCS-SMA | SMA       | 916 MHz          | YELLOW [#116C]       |
| ANT-2.4-CW-RCS     | RP-SMA    | 2.4GHz           | PINK [246U]          |
| ANT-2.4-CW-RCS-SMA | SMA       | 2.4GHz           | PINK [246U]          |
| ANT-W63-CW-RCS-RPS | RPS       | W63 BANDS        | NO COLOR BAND        |
| ANT-W63-CW-RCS-SMA | SMA       | W63 BANDS        | NO COLOR BAND        |

| ITEM NUMBER | DESCRIPTION                          |
|-------------|--------------------------------------|
| 1           | SLEEVE, ELEMENT, PU, SHORE 80A BLACK |
| 2           | ELEMENT, [SEE TABLE], SWC, STEEL     |
| 3           | CONNECTOR, [SEE TABLE], GOLD/BRASS   |
| 4           | PIN, [FEM/MAL SEE TABLE], BRASS      |
| 5           | INSULATOR, PTFE, NATURAL             |

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connectivity MERLIN, OR 97532

|                              |   |                            |                 |
|------------------------------|---|----------------------------|-----------------|
| MATERIAL:<br>PU98A<br>BRASS  | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.<br>.X ±2.0<br>.XX ±1.00<br>.XXX ±.500 | ANGLES: ±1°<br>SURFACE: √  | PROJECTION:<br> |
| WEIGHT:                      | DRAWN: JHAGER<br>ENGR: DASARATHAN   | DT: 4/16/21<br>DT: 4/16/21 |                 |
| FINISH:<br>NATURAL<br>NICKEL |   |                            |                 |

|   |                              |                 |
|---|------------------------------|-----------------|
| TITLE:<br><b>ANTENNA RCS SERIES 1/4 WAVE<br/>RA ANTENNA SMA &amp; RPSMA</b> |                              |                 |
| SIZE<br><b>B</b>  | DWG. NO.<br>C-ANT-XXX-CW-RCS | REV<br><b>C</b> |
| SCALE: 2:1  | DO NOT SCALE DRAWING         | SHEET 1 OF 1    |