



| REVISIONS | | | |
|-----------|--------------------|-------------------|------|
| REV | DESCRIPTION | DATE | APPV |
| A | PRODUCTION RELEASE | JHAGER 9/10/21 | |

- 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.
 - ENVIRONMENTAL:
 - OPERATING TEMP: -40°C - 85°C (STORAGE UP TO 90°C)
 - RH:40%-90%
 - ELECTRICAL:
 - FRQ: 1.57GHz - 1.61GHz
 - GAIN @ 90°: 8.5-11dB ±3dB [3VDC/10mA TYP]
 - IMPEDANCE: 50Ω
 - LNA NOISE: 1.5dB TYP (+25°C)
 - VSWR: 2.0 MAX
 - INPUT VOLTAGE: 1.8-5.5VDC [3VDC TYP.]
 - SILKSCREEN LABELING USING BLACK PERMINANT LETTERING APPROXIMATELY AS SHOWN. FONT AND SIZE CONTROLLED BY OEM DATA AGREEMANT AT LATEST REVISION.

| BILL OF MATERIALS | | | |
|-------------------|--------------------------------|------|------|
| ITEM | DESCRIPTION | QTY. | Unit |
| 1 | ANTENNA GNSS 18X18 CP RHCP | 1 | EA |
| 2 | ACTIVE LNA BOARD AND AMPLIFIER | 1 | EA |
| 3 | CABLE 1.13mm COAX GREY | 61 | mm |
| 4 | CONNECTOR U.FL BRAS/GOLD | 1 | EA |

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MATERIAL:
CERAMIC

WEIGHT:

FINISH:

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.

.X ±2.0

.XX ±1.00

.XXX ±.500

ANGLES: ±1°

SURFACE:

PROJECTION:

DRAWN: JHAGER

DT: 1/10/21

ENGR: DASARATHAN

DT: 10-JUL-08

159 ORT LANE
MERLIN, OR 97532

TITLE:

ANT GNSS L1 18x18 LNA UFL 60MM

SIZE

DWG. NO.

REV

B

C-ANT-GNCP-C185L160

A

SCALE: 3:1

DO NOT SCALE DRAWING

SHEET 1 OF 1

LDCDFB_B