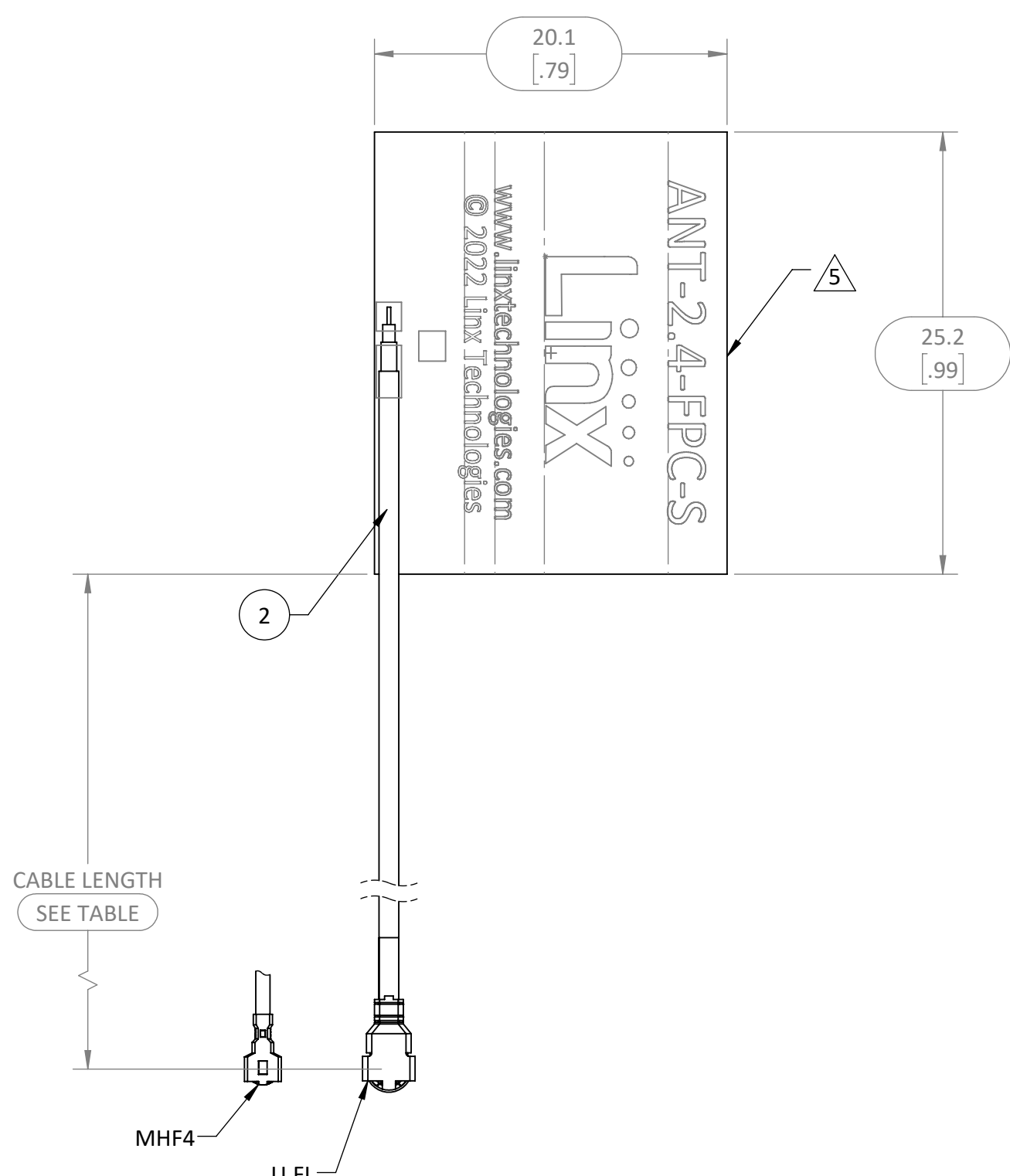


| REVISIONS | | | |
|-----------|--|---------------------|---------------|
| REV | DESCRIPTION | DATE | APPV |
| A | PRODUCTION RELEASE | JHAGER 1/28/22 | DV 3/30/22 |
| B | MOVED ADHESIVE BACKING FN3 TO PCB DRAWING. ITEM NUMBER UPDATE WAS SXXXXXX | JHAGER 4/27/2022 | DV 4/29/22 |
| C | NTE THICKNESS WAS .1mm UPDATED PACKAGING NOTES | AJVM 6/22/2022 | |



- 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.
 - MECHANICAL:
 - OPERATING TEMPERATURE: -30°C - +85°C
 - STORAGE TEMPERATURE: ~RH 50% @ 21°C TO RETAIN FULL PROPERTIES.
 - BEND RADIUS: 2mm [.078"] MAX.
 - ELEMENT BODY THICKNESS NTE .3mm
 - ADHESIVE BACKING SPLIT AT CENTER LINE FOR EASY REMOVAL.
 - ELECTRICAL PROPERTIES SHOWN FOR INFORMATION ONLY. SEE LINX DATA SHEET FOR COMPLETE ELECTRICAL SPECIFICATIONS.
 - IMPEDANCE: 50Ω
 - VSWR: 2.4 MAX
 - FREQUENCY: 2400MHz - 2485MHz
 - MAX POWER: 5W
 - TYPE: DIPOLE, LINEAR, OMNI-DIRECTIONAL.
 - ANTENNA QUALIFIED IAW LINX INTERNAL TEST PLAN AT LATEST REVISION.
 - CONSTRUCTION: STRIP CABLE ASSEMBLY AND PERMANENTLY ATTACH TO ANTENNA AS SHOWN USING SOLDER IAW IPC J-STD-001 METHOD. TO ACHIEVE CONNECTOR ORIENTATION.
 - ANTENNA ASSEMBLY APPLICATION OF [FN3] ADHESIVE TO SURFACE:
 - CLEAN SURFACES AND ENSURE NO LARGE SURFACE GAPS ARE PRESENT.
 - REMOVE BACKING AND APPLY MP 467 ADHESIVE USING EVEN PRESSURE.
 - APPLY TO SURFACE BETWEEN 21°C AND 38°C [70°F AND 100°F]

| ITEM NUMBER | CABLE LENGTH (mm) ± 2.0mm | CABLE PART NUMBER | CABLE MIN. BEND RADIUS |
|---------------------|---------------------------|-------------------|------------------------|
| ANT-2.4-FPC-SF50UF | 50 | CSI-UFFR-65-STCT | 4.5 |
| ANT-2.4-FPC-SF100UF | 100 | CSI-UFFR-115-STCT | 4.5 |
| ANT-2.4-FPC-SF150UF | 150 | CSI-UFFR-165-STCT | 4.5 |
| ANT-2.4-FPC-SF200UF | 200 | CSI-UFFR-215-STCT | 4.5 |
| ANT-2.4-FPC-SF50M4 | 50 | CSI-MHF4-65-STCT | 4.5 |
| ANT-2.4-FPC-SF100M4 | 100 | CSI-MHF4-115-STCT | 4.5 |
| ANT-2.4-FPC-SF150M4 | 150 | CSI-MHF4-165-STCT | 4.5 |
| ANT-2.4-FPC-SF200M4 | 200 | CSI-MHF4-215-STCT | 4.5 |

| BILL OF MATERIALS | | | | |
|-------------------|------|-----|----------------------|-----------------------------------|
| ITEM | QTY. | U/M | PART NUMBER | DESCRIPTION |
| 1 | 1 | EA | PCB-2.4-FPC-S | ANTENNA 2.4GHz FPC 25X20 ADH BACK |
| 2 | 1 | EA | CSI-[SEE TABLE]-STCT | CABLE COAX 50Ω 1.13mm BLACK |

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STE connectivity 159 ORT LANE
MERLIN, OR 97532

TITLE: **ANTENNA 2.4GHz FLEXIBLE ADHESIVE BACKED**

MATERIAL: kapton INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5. PROJECTION:

WEIGHT: .X ±2.0 ANGLES: ±1°
.XX ±1.00 SURFACE:
.XXX ±.500

FINISH: DRAWN: JHAGER DT: 1/28/22 ENGR: DASARATHAN DT:

SIZE DWG. NO. REV
B C-ANT-2.4-FPC-SFXXXXX **C**

SCALE: 3:1 DO NOT SCALE DRAWING SHEET 1 OF 1