



RFID/NFC FPC ANT, 100mm, 28AWG, RECT, 13.56MHz

Part Numbers: L000644-01

The **L000644-01** is an NFC (Near Field Communications) antenna designed for high performance two-way read/write operations at 13.56MHz.

The compact, flexible antenna is supplied with adhesive backing for ease of installation. It can be mounted inside a plastic device enclosure or on an internal battery. This version comes with 100mm Twisted Pair 28AWG cable with a HRS connector to allow for installation flexibility.

FEATURES & BENEFITS

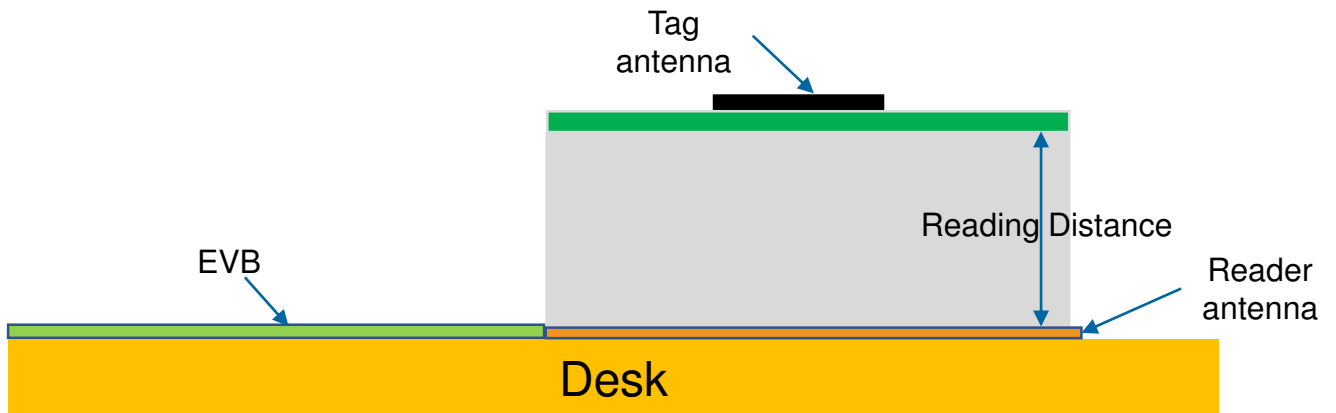
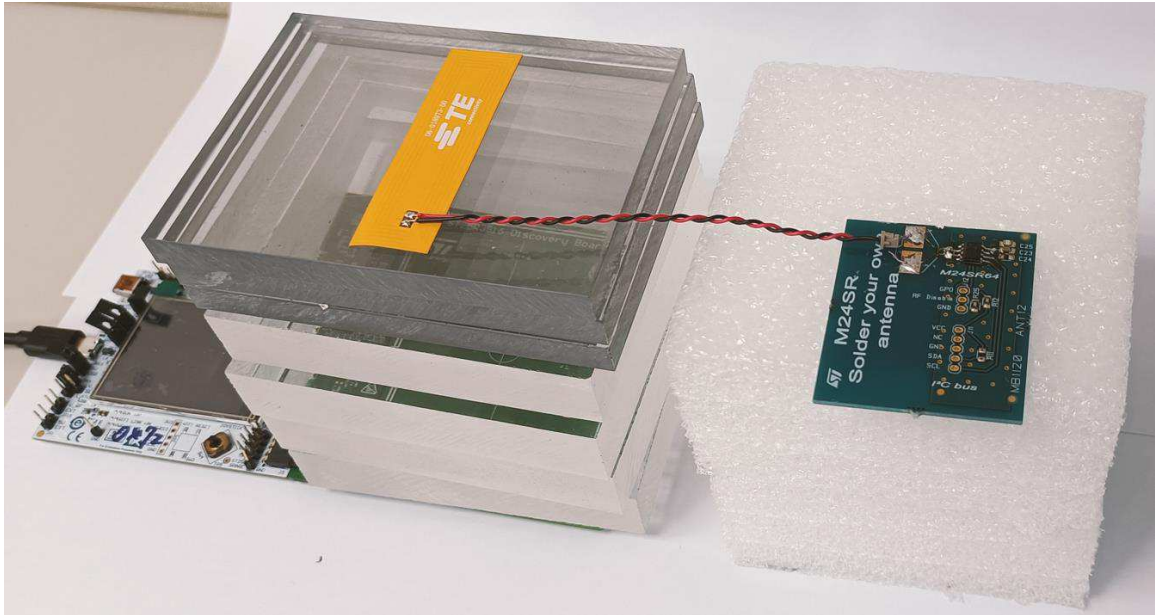
- Frequency **13.56MHz**
- Universal antenna module assembly
- Low-profile
- Flexible embedded antenna
- Higher reading distance than competition
- Peel and Stick adhesive application
- 100mm or custom twisted pair pigtail with HRS connector

SPECIFICATIONS

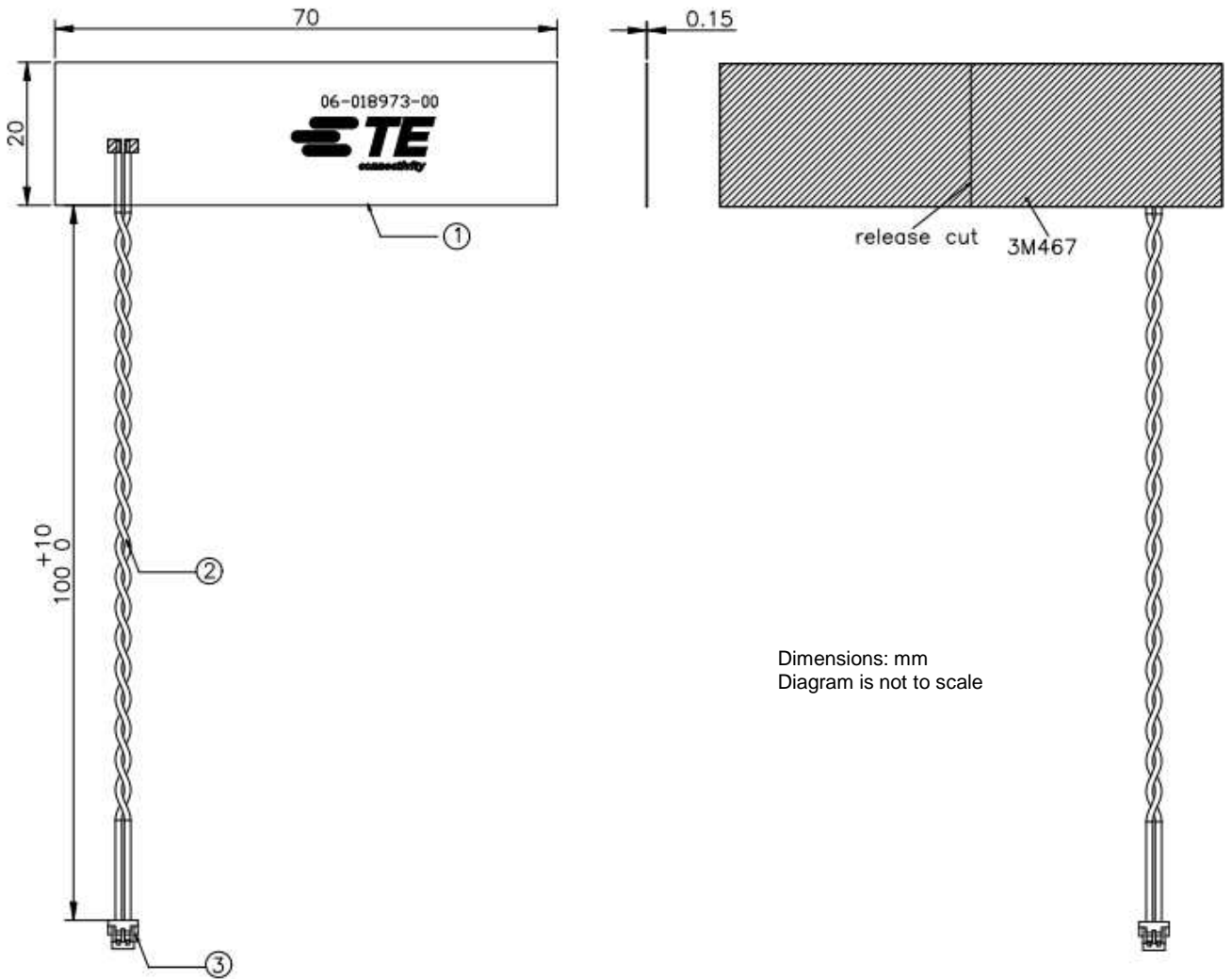
| | |
|-----------------------|--|
| Frequency Range | 13.56 MHz |
| Self inductance (La) | 2 uH |
| RDC | 2 Ohm |
| Reading Distance | 88 mm |
| Size | 70 mm x 20 mm x 0.15 mm |
| Weight | <1 g |
| Operating Temperature | -40 to +85°C |
| Storage Temperature | -40 to +85°C |
| Hazardous Materials | A certificate of conformance is available from the product page on TE website. |

TEST SETUP

EVB MB1414 board





DIMENSIONS

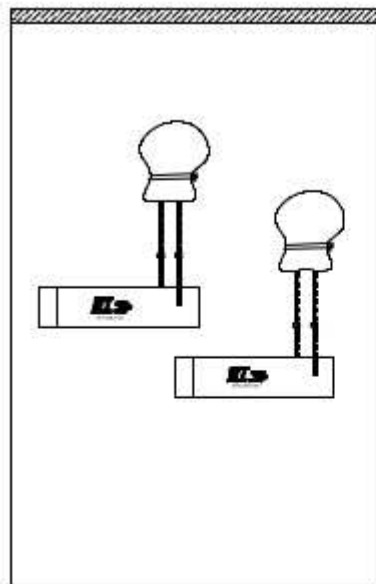


| | | |
|-----|-----------|------|
| 1 | HRS CONN. | 3 |
| 1 | CABLE | 2 |
| 1 | FPC | 1 |
| QTY | DES | ITEM |

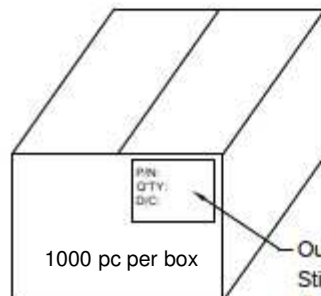
MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

| L000644-01 | 100 | 3.937 | 28 AWG | Wire to Board | On antenna : Compatible with TE PN# 440146-2 1.25mm WTB Socket |  |
|-------------|-----|-------|--------|------------------------------|--|---|
| | | | | | Mapping : TE PN# 1734260-2 1.25mm WTB HDR |  |
| PART NUMBER | MM | INCH | CABLE | CONNECTOR TYPE (ON CABLE) | PART NUMBER | IMAGE |
| | | | | | MATING COMPONENTS | |

PACKAGING



10PCS Antenna A Bundle
50PCS Antenna Per bag and seal
(10支天線綁一束,每包50支天線並封口)



Outside the carton:
Stick the label on the side mark
(將標識黏貼於外箱側麥)

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