

# 13.56MHz RFID/NFC EMBEDDED NFC ANTENNA

Part Numbers:  
L001047-01  
L001047-02  
L001047-03

## FEATURES & BENEFITS

- Frequency 13.56MHz
- Universal antenna module assembly
- Antenna bottom with ferrite to increase the performance
- Low profile
- Flexible embedded antenna
- Peel and stick adhesive application
- Higher reading distance than competition

## SPECIFICATIONS

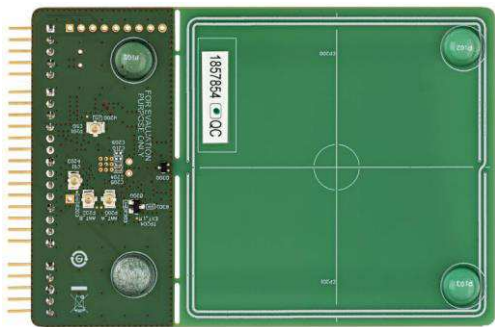
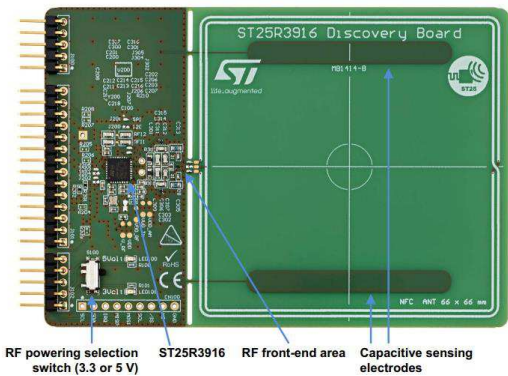
Frequency Range	13.56 MHz
La (Antenna Inductance]	3 uH
Ra (Antenna Resistance)	1.6 ohm
Self-resonance Frequency	67 MHz
Rp (Parallel Resistance)	5.1K ohm
Tag Distance	65 mm
Size	32.24 mm x 23 mm x 0.18 mm
Weight	< 1 g
Mounting	Adhesive
Mating Connectors	See Table
Cable	NA
Operating Temperature	-40 to +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  
(Shown L001047-01)



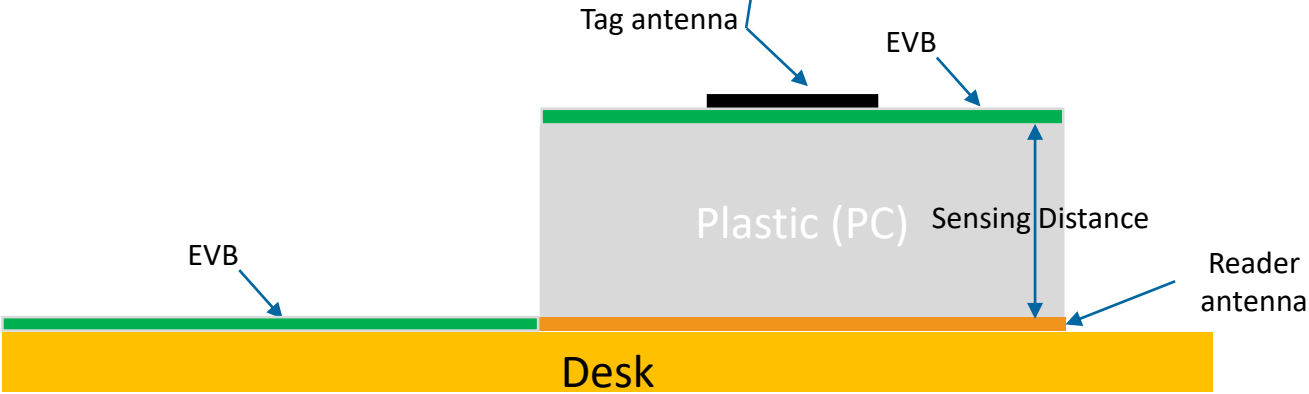
Figure 1. MB1414 board (bottom view)

Figure 2. MB1414 board (bottom view)



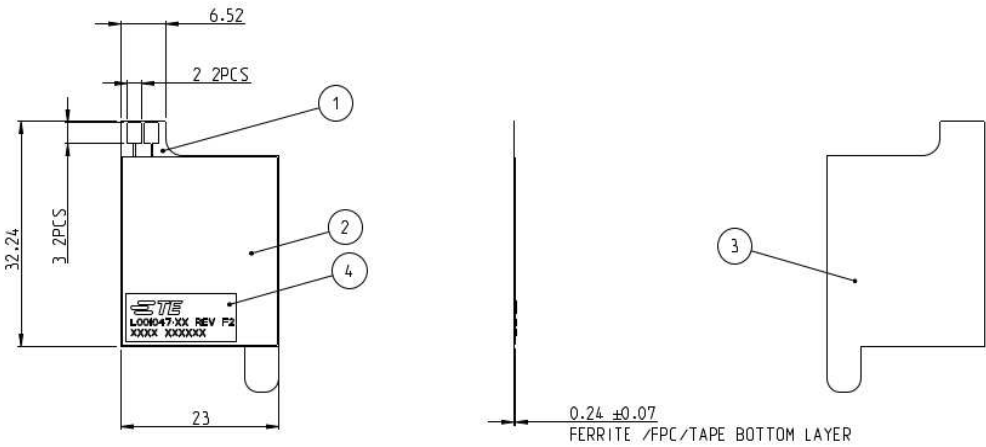
Test setup  
(Shown L001047-01)

EVB MB1414 board

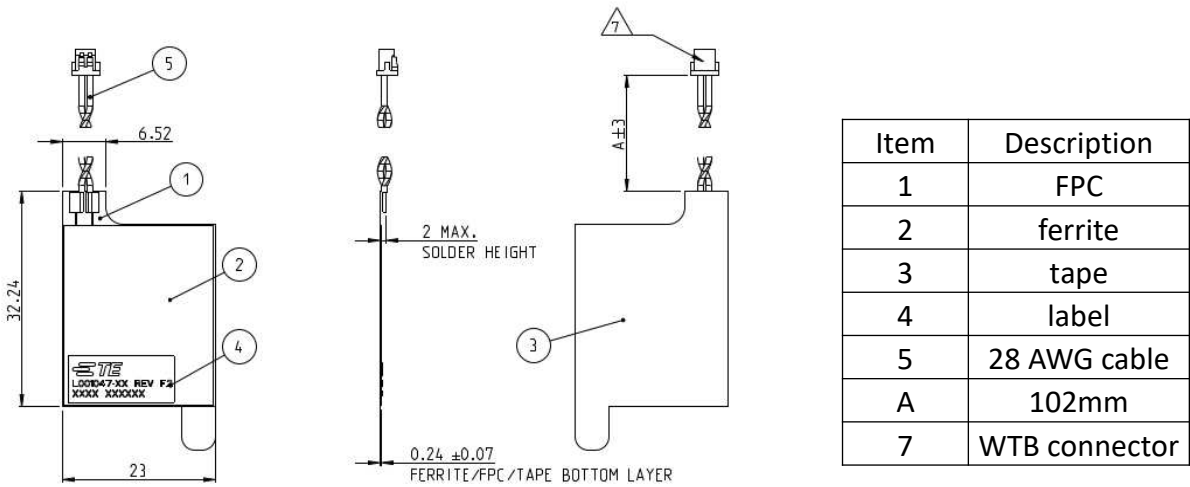


DIMENSIONS

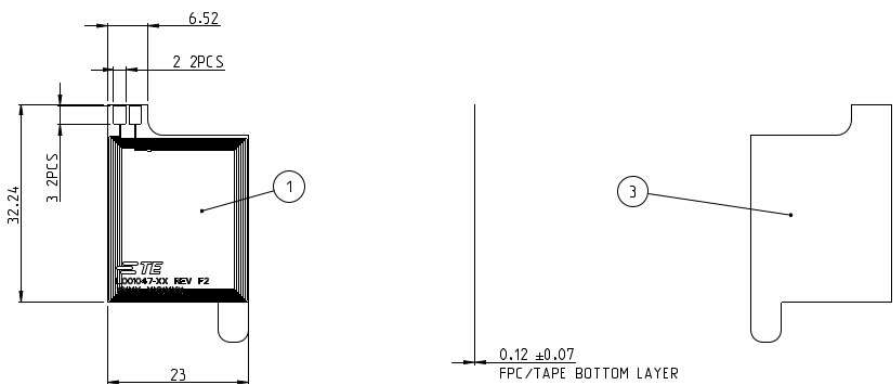
L001047-01



L001047-02





L001047-03



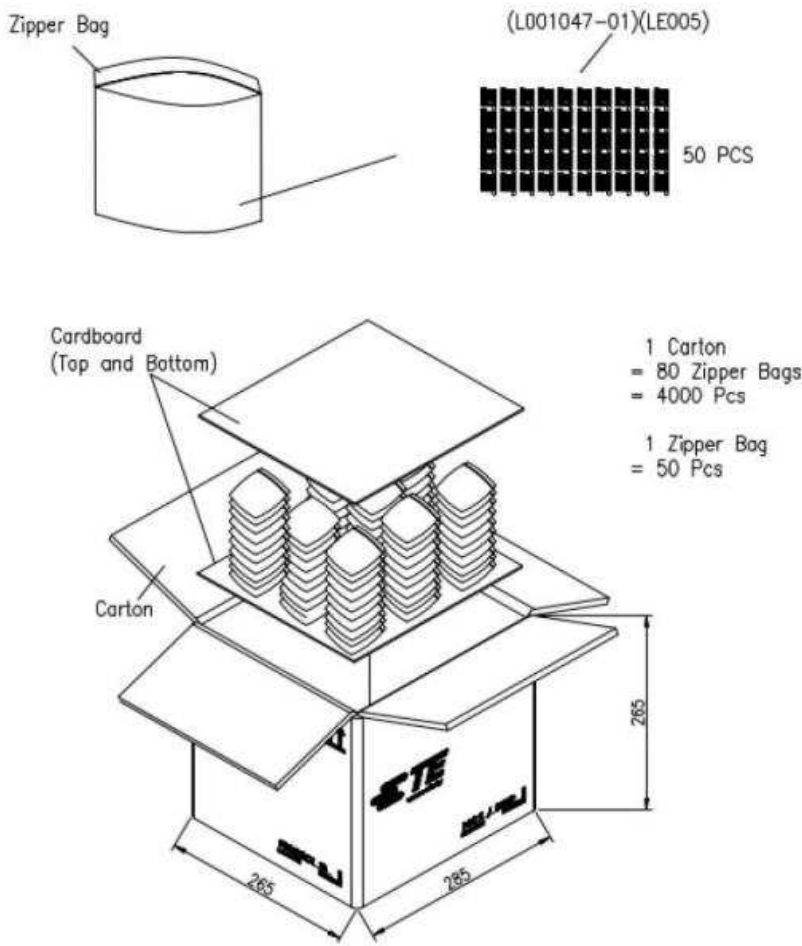
Dimensions: mm  
Diagram is not to  
scale

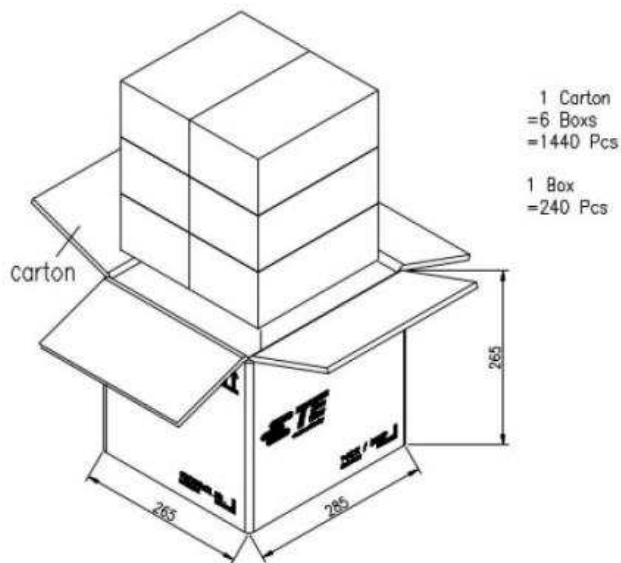
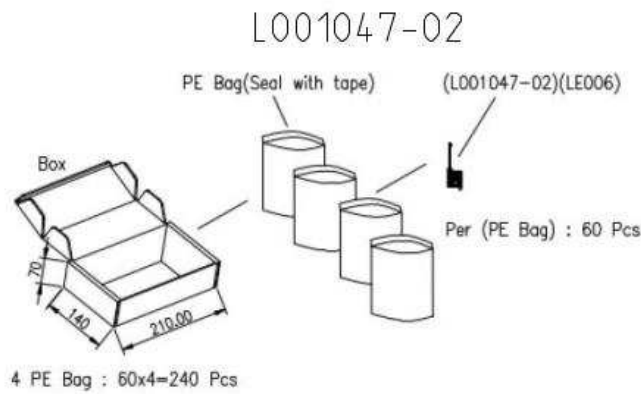
MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

L001047-02	100	3.937	28 AWG	Wire to Board	On antenna : Compatible with TE PN# 440146-2 1.25mm WTB Socket	
					Mapping : TE PN# 2473229-2 1.25mm WTB HDR	
PART	MM	INCH	CABLE	CONNECTOR TYPE	PART NUMBER	IMAGE
NUMBER	CABLE LENGTH(A)			(ON CABLE)	MATING COMPONENTS	

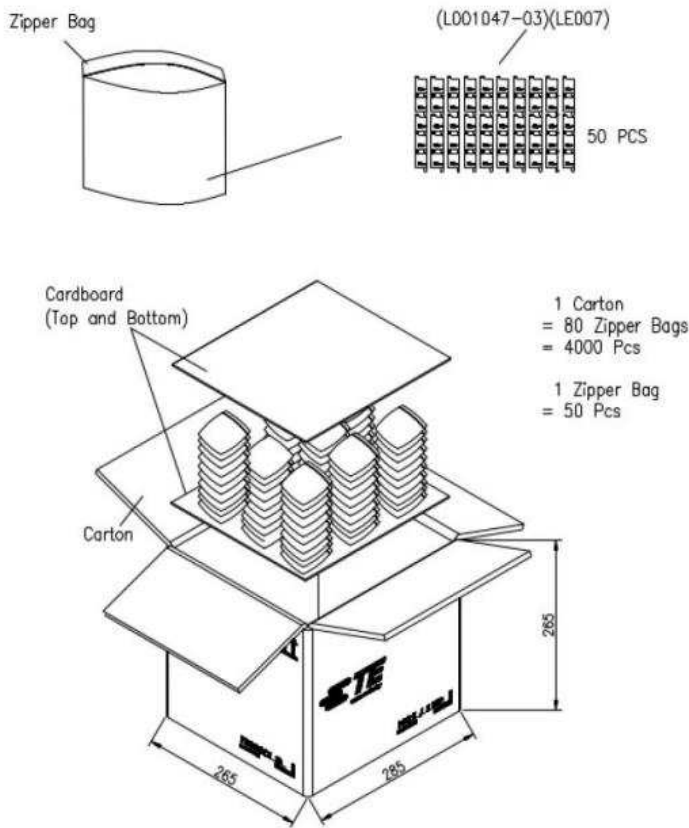
PACKAGING

L001047-01





L001047-03



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