

14 mm x 14 mm antenna reference board for the M24LR04E-R dual interface EEPROM

Data brief



- Analog Energy Harvesting output (EH)

Table 1. Device summary

| Reference | Order code |
|-----------------|------------------|
| ANT7-T-M24LR04E | ANT7-T-M24LR04EA |

Description

The ANT7-T-M24LR04E antenna reference board is a ready-to-use PCB that features an M24LR04E-R dual interface EEPROM connected to a 14 mm x 14 mm, 13.56 MHz etched RF double layer antenna on one side, and to an I2C bus on the other side.

The ANT7-T-M24LR04E demonstration board allows system designers to evaluate the M24LR04E-R performance and capabilities, and to get started with their design.

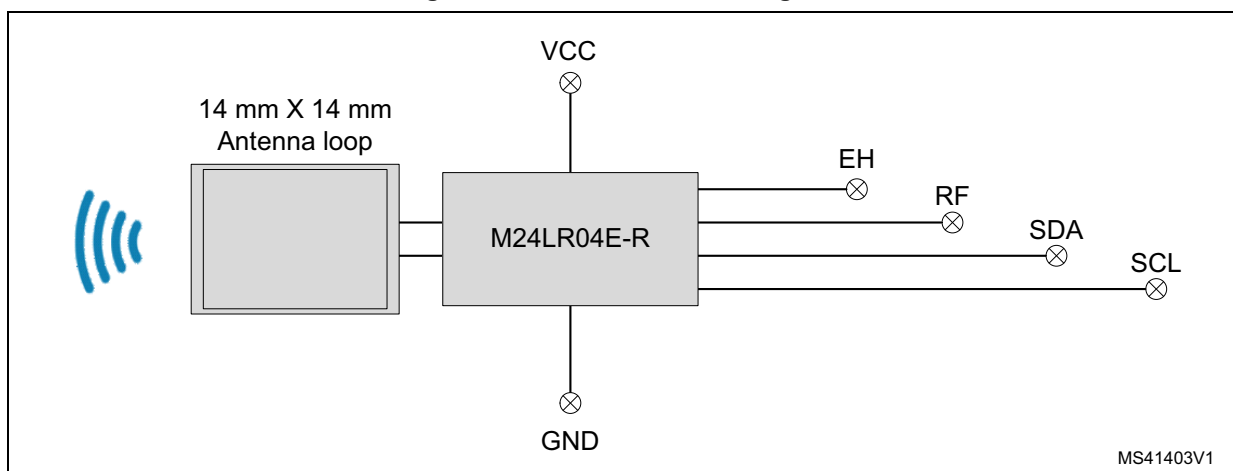
To demonstrate the energy harvesting function, the ANT7-T-M24LR04E can be used in conjunction with the ST DEMO-CR95HF-A board.

The ANT7-T-M24LR04E design and the Gerber files can be downloaded from www.st.com.

Features

- Ready to use printed circuit board including:
 - M24LR04E-R dual interface EEPROM
 - 14 mm x 14 mm, 13.56 MHz dual layer etched antenna
 - I2C test points
 - RF WIP/BUSY output (RF) to indicate an ongoing RF operation

Figure 1. Functional block diagram



1 Revision history

Table 2. Document revision history

| Date | Revision | Changes |
|-------------|----------|---|
| 26-Apr-2016 | 1 | Initial release. |
| 16-Jun-2016 | 2 | Updated Table 1: Device summary . |

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