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## HF RFID Dongle – Data sheet

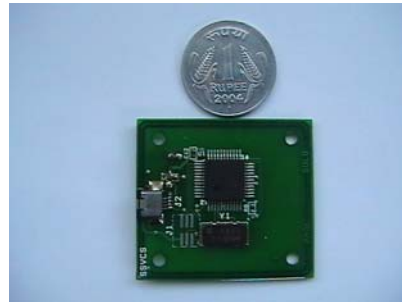
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### Features

- ISO/IEC 15693 compliance
- On board PCB antenna
- CMOS level UART I/O Communication
- Visual Indication

### Applications

- Industrial Automation
- Point Of Sale
- Process Control
- Bio Analysis
- Food Processing & Packaging
- Warranty Management



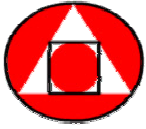
### Description

Pico RFID line of 13.56 MHz Dongle brings the efficiency in industrial automation, process control, warranty management, etc.,

The Dongle is based on Texas Instrument's RFID technology and operates at 13.56 MHz Frequency, which is compliance with the ISO/IEC 15693 vicinity card standards. The micro RFID reader has an on board antenna and can be integrated to other electronics system to make them RFID enabled. The reader is provided with a CMOS level UART communication port for interfacing with the PC with configurable baud rate. A high intense LED is used for visual indication.

**For more information, please contact [www.pico-mega.com](http://www.pico-mega.com)**

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## **Specifications**

|                                |                                |
|--------------------------------|--------------------------------|
| Part Number                    | ID-HF4A-RO1B                   |
| Operating frequency            | 13.56 MHz                      |
| Supported transponder standard | ISO/IEC 15693                  |
| Supply voltage                 | +4.9 V to +5.1 V dc            |
| Current consumption            | 150 mA                         |
| Transmitter power level        | 200 mW (pulsed)                |
| Antenna                        | On board PCB antenna           |
| Antenna impedance              | 50 ohms @ 13.56 MHz            |
| Communication interface        | CMOS level UART interface      |
| Baud rate                      | 19200 bps                      |
| Protocol                       | Pico Protocol                  |
| Visual Interface               | LED                            |
| Operating temperature          | -20°C to + 65°C                |
| Storage temperature            | -40°C to + 85°C                |
| Dimensions                     | 45(L) x 40(W) x 7(H) all in mm |
| Weight                         | 10 grams                       |

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