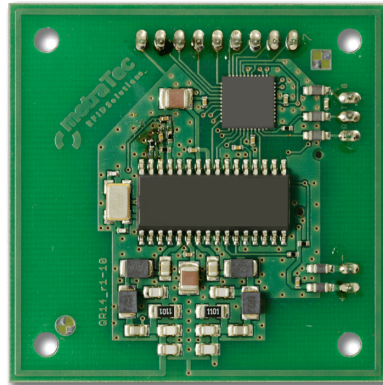
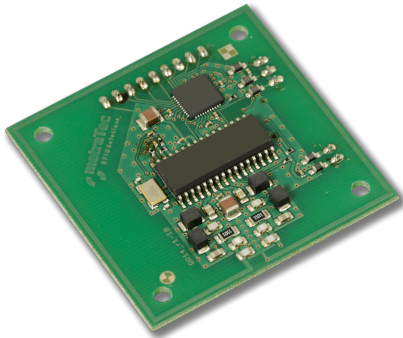


QR14 HF RFID Embedded Module

Art. no.:
22000029



- For Mifare Classic/Ultralight and NTAG
- up to 50mm read range
- integrated antenna
- NRND

QR14 HF RFID Embedded Module

Some RFID applications place higher demands on data security, e.g. applications in the field of e-payment or ticketing. Here, transponders according to ISO14443A or MIFARE[®] technology are often used. The QR14 plug-in module is suitable for all these applications where transponders need to be read or written in a space-saving and cost-effective manner. The module supports the protocols MIFARE Classic and MIFARE Ultralight[®]. Furthermore, the QR14 plug-in module can also be used to read and write NFC chips of NFC type 2.

As a plug-in module, it can be easily integrated into your own electronic assemblies and delivers good RFID performance. With the integrated antenna, a reading range of up to 50 mm is possible. The communication to the microcontroller is done via UART so that an integration can be easily implemented.

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QR14 HF RFID Embedded Module

Art. no.:
22000029



Technical Specification

| | |
|---------------------|--|
| Operating Principle | ISO14443A/Mifare Embedded RFID Module |
| Operating Frequency | 13.56 MHz (worldwide) |
| Antenna Connector | 50 x 50 mm integrated loop antenna |
| Output Power | 250 mW |
| Read Range | up to 50 mm |
| Supported Protocols | ISO14443A (ID only), Mifare Classic, Mifare Ultralight |
| Connectivity | 5V UART (115,200 Baud) |
| Operating Voltage | 5V DC |
| Power Consumption | idle: 10 mA, RF on: max. 100 mA |
| Inputs/Outputs | 8 x 5 V Input/Output (configurable) |
| Temperature Range | -20 °C to +70 °C |
| Dimensions | 51 x 51 x 5 mm / 2 x 2 x 0.2 inch |

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", "Localization", and "Communication" and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.

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