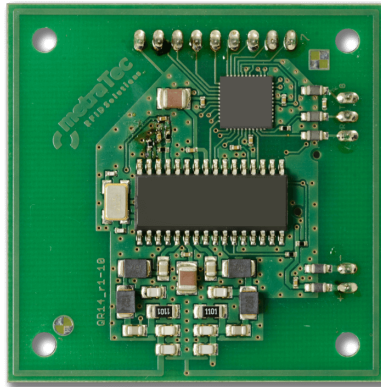
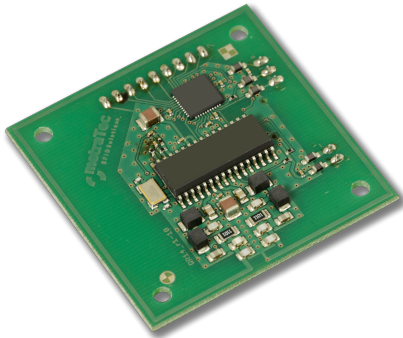


QR14 HF RFID Embedded Module

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.



QR14 HF RFID Embedded Module

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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 Metrateg

Metrateg 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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