


MAKER FACTORY BN-2134130 RFID Read and Write Module Instructions

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BN 2134130
RFID Read and Write Module
Quick Instructions
Version: 2

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Delivery Content

- Module
- FID key fob

Description

The product is a MIFARE® MF RC522 13.56 MHz read and write module.

Features

- MF RC522
- 13.56 MHz
- Supports CRYPTO1 encryption algorithm
- Communication via SPI
- Supported cards: Mifare1 S50, Mifare1 S70, Mifare UltraLight, Mifare Pro, Mifare DESFire

Development Resources

There are plenty of online tutorials available on the use of the MIFARE RC522 module. For an open-source RFID, library go to: <https://github.com/miguelbalboa/rfid>

Pinout / Pin Map

Pin	Description
VCC	3.3 V Input voltage
RST	Reset and power down
GND	GND
MISO	Master-In-Slave-Out
MOSI	Master-Out-Slave-In
SCK	Serial Clock
NSS	Signal pin / Serial data
IRQ	Interrupt pin

Specifications

Operating voltage	3.3 V/DC
Current consumption	<30 mA (peak) 13 – 26 mA (operation) 10 – 13 mA (idle) <80 µA (sleep)
Transmission frequency	13.56 MHz
Data rate	10 Mbit/s
Transmission power (max.)	0.43- 0.86 mW
Transmission distance	0 – 35 mm
Operating temperature	-20 to +80 °C
Operation humidity	5 – 95 % RH
Storage temperature	-40 to +85 °C
Storage humidity	5 – 95 % RH
Dimensions (approx.)	40 x 60 mm
Weight (approx.)	20 g

Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive. Click on the following link to read the full text of the EU declaration nonconformity: www.conrad.com/downloads Select a language by clicking on a flag symbol and enter the product order number in the search box. You can then download the EU declaration of conformity in PDF format.

Disposal



Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product in accordance with applicable regulatory guidelines. You thus fulfill your statutory obligations and contribute to the protection of the environment.

Legal Notice



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Documents / Resources

