

Mikro Click RfID



Description:

RFid click™ is an accessory board in mikroBUS™ form factor. It's a compact and easy solution for adding RFid to your design. It features CR95HF 13.56 MHz contactless transceiver as well as trace antenna. RFid click™ communicates with the target board microcontroller via mikroBUS™ UART (TX, RX), SPI (MISO, MOSI, SCK, CS) INT, RST, PWM and AN lines. The board is designed to use 3.3V power supply only. LED diode (GREEN) indicates the presence of power supply. CR95HF IC is an RFid module with integrated transceiver for contactless applications. The board contains dedicated internal frame controller and analog front end (AFE) for RF communications.

Features:

- CR95HF 13.56 MHz contactless transceiver with trace antenna.
- Supports ISO/IEC 14443 type A and B, ISO/IEC 15693 and ISO/IEC 18092 protocols (tags).
- It can detect, read and write NFC forum type 1, 2, 3 and 4 tags.
- Dedicated internal frame controller and analog front end (AFE) for RF comm. available on-board.



mikroBUS™ is specially designed pinout standard with SPI, I2C, Analog, UART, Interrupt, PWM, Reset and Power supply pins.

Key Benefits:

- mikroBUS™ form factor enables easy integration.
- Supported in mikroElektronika compilers.
- Ready-to-use examples save development time

Applications:

Board can be used with 13.56 MHz RFid tags or identification cards. Ideal for tracking and security systems that needs RFID support.

