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## NFC 6 Click





PID: MIKROE-5935

NFC 6 Click is a compact add-on board that contains an NFC transceiver for contactless communication. This board features the <u>ST25R95</u>, a near-field communication transceiver from STMicroelectronics. It supports reader and writer operating modes and emulates ISO/IEC 14443-3 Type A cards. The RF communications are done over the 13.56MHz. The transceiver features tag detection mode, field detection mode, transmission and reception modes, and more. This Click board™ makes the perfect solution for the development of applications based on NFC technology, contactless communication, payment systems, home and industrial automation, and more.

NFC 6 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

Mikroe produces entire development toolchains for all major microcontroller architectures. Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.







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## **Specifications**

Туре	RFID/NFC
Applications	Can be used for the development of applications based on NFC technology, contactless communication, payment systems, home and industrial automation, and more
On-board modules	ST25R95 - near field communication transceiver from STMicroelectronics
Key Features	NFC/RFID card writer and reader, ISO/IEC 14443-3 Type A card emulation, dedicated internal frame controller, highly integrated analog front end (AFE) for RF communication, transmission and reception modes, optimized power management, tag detection mode, field detection mode, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

## **Resources**

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

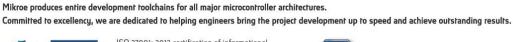
## **Downloads**

NFC 6 click example on Libstock

NFC 6 click 2D and 3D files

ST25R95 datasheet

NFC 6 click schematic







health and safety management system.