

Time-saving embedded tools

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EEPROM 5 Click





PID: MIKROE-4422

EEPROM 5 Click is a compact add-on board that contains the highest-density memory solution. This board features the M95M04, the 4Mbit electrically erasable programmable memory organized as 524288 x 8 bits accessed through the SPI interface from STMicroelectronics. The M95M04 combines unprecedented data storage with excellent energy efficiency. It lasts one billion full-memory read-write cycles with more than 40 years of data retention. It also offers 512-bytes of identification page that can be used to store sensitive application parameters that can be permanently locked in Read-Only mode. This Click board[™] is suitable for a wide range of applications in industrial controls and communication infrastructure where increased memory storage is required.

EEPROM 5 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board[™] comes as a fully tested product, ready to be used on a system equipped with the mikroBUS[™] socket.

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.



ISO 27001: 2013 certification of informational security management system. ISO 14001: 2015 certification of environmental management system. OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).



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Specifications

Туре	EEPROM
Applications	Can be used persistent data such as application code, calibration tables, and user parameters, as well as for intensive data logging.
On-board modules	EEPROM 5 Click is based on the M95M04, the electrically erasable programmable memory organized as 524288 x 8 bits accessed through the SPI interface from STMicroelectronics.
Key Features	4 Mbit (512 Kbytes) of EEPROM, write protection, more than 4 million Write cycles, more than 40-year data retention, high reliability, high density, and more.
Interface	SPI
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

<u>mikroBUS</u>™

mikroSDK

Click board[™] Catalog

<u>Click boards</u>™

Downloads

EEPROM 5 click 2D and 3D files

M95M04 datasheet

EEPROM 5 click schematic

EEPROM 5 click example on Libstock

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