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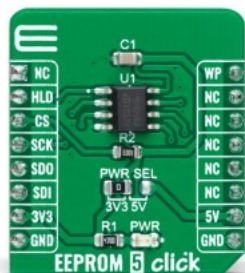www.mikroe.com

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.

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Specifications

Type	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

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[EEPROM 5 click 2D and 3D files](#)

[M95M04 datasheet](#)

[EEPROM 5 click schematic](#)

[EEPROM 5 click example on Libstock](#)