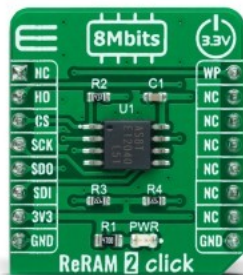


ReRAM 2 Click



PID: MIKROE-4895

ReRAM 2 Click is a compact add-on board containing highly reliable resistive random-access memory. This board features the [MB85AS8MT](#), an 8Mbit memory organized as 1,048,576 words of 8 bits from [Fujitsu Semiconductor](#). The MB85AS8MT uses the resistance-variable memory process and silicon-gate CMOS process technologies to form nonvolatile memory cells. This SPI configurable ReRAM can withstand many write cycles (1×10^6 rewrite operations), has a data retention period greater than ten years, and can read and write to random addresses with very negligible delay. This Click board™ is ideal as a nonvolatile storage media or temporary RAM expansion for storing variables in any embedded application that requires rapid writes and unlimited endurance.

ReRAM 2 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).

Specifications

Type	ReRAM
Applications	Can be used as a nonvolatile storage media or temporary RAM expansion for storing variables in any embedded application that requires rapid writes and unlimited endurance
On-board modules	MB85AS8MT - highly reliable resistive random-access memory (ReRAM) from Fujitsu Semiconductor
Key Features	8 Mbits (1,048,576 words x 8 bits), 256 bytes buffer size, high endurance and data retention, fast serial interface, sophisticated write protection scheme, and more
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[ReRAM 2 click example on Libstock](#)

[ReRAM 2 click schematic](#)

[ReRAM 2 click 2D and 3D files](#)

[MB85AS8MT datasheet](#)

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).