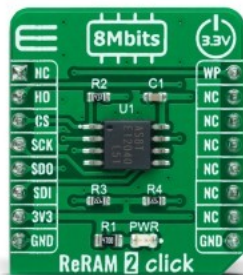# ReRAM 2 Click

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 (1x106 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.

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