MRAM 2 Click

PID: MIKROE-4232

MRAM 2 Click is a compact add-on board for applications that must store and retrieve data and programs quickly using a small number of pins. This board features the MR10Q010, 1Mb Quad Output High-Speed Serial SPI MRAM memory solution from Everspin Technologies. It operates in both standard, single SPI and High-speed QUAD SPI mode with a clock rate up to 104MHz, it features high bandwidth (read and write at 52MB/sec), automatic data protection in case of power loss, and tamper detection function that will detect possible data modification from outside magnetic fields. This Click board™ can be used both as a non-volatile storage media, or temporary RAM expansion for storing data in any embedded application.

MRAM 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	MRAM
Applications	Can be used both as a non-volatile storage media, or temporary RAM expansion for storing data in any embedded application.
On-board modules	MRAM 2 Click is based on the MR10Q010, 1Mb Quad Output High-Speed Serial SPI MRAM memory solution from Everspin Technologies.
Key Features	Low power consumption, high bandwidth, data protection, unlimited write endurance, tamper detect function, and more.
Interface	QSPI,SPI
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

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

[BH18PB1WHFVCT datasheet](#)

[TXB0106 datasheet](#)

[MR10Q010 datasheet](#)

[MRAM 2 click example on Libstock](#)

[MRAM 2 click schematic](#)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Memory IC Development Tools *category:*

Click to view products by MikroElektronika *manufacturer:*

Other Similar products are found below :

HLDC-DDR3-A 254 DS1961K# HLDC-DDR4-4GB-A HTFLASHEVM 1569 1897 AC500100 AC243008 AC243009 1895 254 2574 4682 4718 4719 939 HLDC-DDR4-A HLDC-QDRIV-A ASX00008 CY14NVSRAMKIT-001 CY15FRAMKIT-002 CF02-F9-ILAT06-M01 USB02-U9-RBB06-M01 USB06-U8-RB1Q03-M01 DS28E05EVKIT# AC243003 AC243005-1 AC500101 DM160232 DV243003 MIKROE-3641 MIKROE-3762 MIKROE-3780 MIKROE-3817 MIKROE-4067 MIKROE-4129 MIKROE-4178 MIKROE-4232 MIKROE-4293 MIKROE-4421 MIKROE-4440 MIKROE-1199 MIKROE-1200 MIKROE-1486 MIKROE-1902 MIKROE-1909 MIKROE-2267 MIKROE-2374 MIKROE-2536