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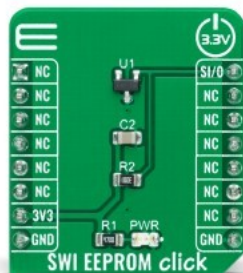www.mikroe.com

SWI EEPROM Click

PID: MIKROE-4521

SWI EEPROM Click is a compact add-on board that provides a highly reliable memory solution. This board features the AT21CS01, a single-wire serial EEPROM with a unique, factory-programmed 64-bit serial number from Microchip Technology. The AT21CS01 has an ultra-high write endurance capability allowing more than one million cycles for each memory location to meet the requirements for today's high-write endurance applications. It is internally as 128 words of 8 bits each with achieved communication through a single I/O pin with Standard-Speed and High-Speed mode options. Also, it offers a security register with a factory-programmed serial number, which makes it the easiest way to add identification to various accessories and consumables. This Click board™ is suitable for applications where identification or memory storage is required.

SWI EEPROM 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 for applications where identification or memory storage is required.
On-board modules	AT21CS01 - 2-pin serial electrically erasable and programmable read-only memory (EEPROM) that harvests energy from the SI/O pin to power the integrated circuit from Microchip Technology
Key Features	High reliability, a unique, factory-programmed 64-bit serial number, ultra-high write endurance, Standard-Speed and High-Speed mode options, and more.
Interface	SWI
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

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

[AT21CS01 datasheet](#)

[SWI EEPROM click schematic](#)

[SWI EEPROM click example on Libstock](#)