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Semper Flash 2 Click

www.mikroe.com





PID: MIKROE-4028

Semper Flash 2 Click is a Click board™ which features the S25HL512T from Infineon, a perfect solution for the mass storage option in various embedded applications. With fast performance being one of its key features, Semper Flash 2 click can also be used for the code shadowing, execute-in-place (XIP), and data storage. The Infineon Semper Flash with Quad SPI family of products are high-speed CMOS, MirrorBit NOR flash devices. Semper Flash is designed for Functional Safety with development according to ISO 26262 standard to achieve ASIL-B compliance and ASIL-D readiness. The 512 Mbit SPI Flash memory module is one of the fastest and most reliable Flash modules on the market module on the market with 3.0V core and I/O voltage.

The Semper Flash 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.





health and safety management system.



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Specifications

Туре	FLASH
Applications	Mass storage option in multimedia devices, data drives, non-volatile data storage in embedded applications, secure storage, and similar applications that require reliable permanent storage of digital information.
On-board modules	S25HL512T, a 512 Mbit SPI/QSPI Flash memory module, from Cypress
Key Features	High durability of 1+ million cycles, Advanced Sector Protection (ASP), secure OTP memory block, high transfer speed, SFDP mode for easy retrieval of IC-specific information, AutoBoot function for improved startup performance
Interface	QSPI,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

Semper Flash 2 click example on Libstock

S25HL512T datasheet

Semper Flash 2 click schematic

Semper Flash 2 click 2D and 3D files

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