MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

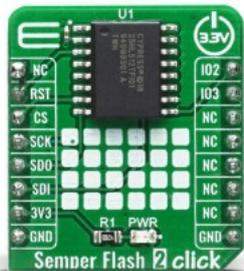# Semper Flash 2 Click

PID: MIKROE-4028

Semper Flash 2 Click is a Click board™ which features the S25HL512T from Cypress, 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 Cypress 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.

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	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
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](#)

[Semper Flash 2 click 2D and 3D files](#)

[S25HL512T datasheet](#)

[Semper Flash 2 click schematic](#)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Daughter Cards & OEM Boards *category:*

Click to view products by MikroElektronika *manufacturer:*

Other Similar products are found below :

ADZS-21262-1-EZEXT 27911 SPC56ELADPT144S TMDXRM46CNCD DM160216 EV-ADUCM350GPIOTHZ EV-ADUCM350-BIO3Z ATSTK521 1130 MA160015 MA180033 MA240013 MA240026 MA320014 MA330014 MA330017 TLK10034SMAEVM MIKROE-2152 MIKROE-2154 MIKROE-2381 TSSOP20EV DEV-11723 MIKROE-1108 MIKROE-1516 SPS-READER-GEVK AC244049 AC244050 AC320004-3 2077 ATSMARTCARD-XPRO EIC - Q600 -230 ATZB-212B-XPRO SPC560PADPT100S SPC560BADPT64S MA180018 EIC - Q600 -220 AC164134-1 BOB-12035 STM8/128-D/RAIS AC164127-6 AC164127-4 AC164134-3 AC164156 MA320021 MA320024 DFR0285 DFR0312 DFR0356 MA320023 MIKROE-2564