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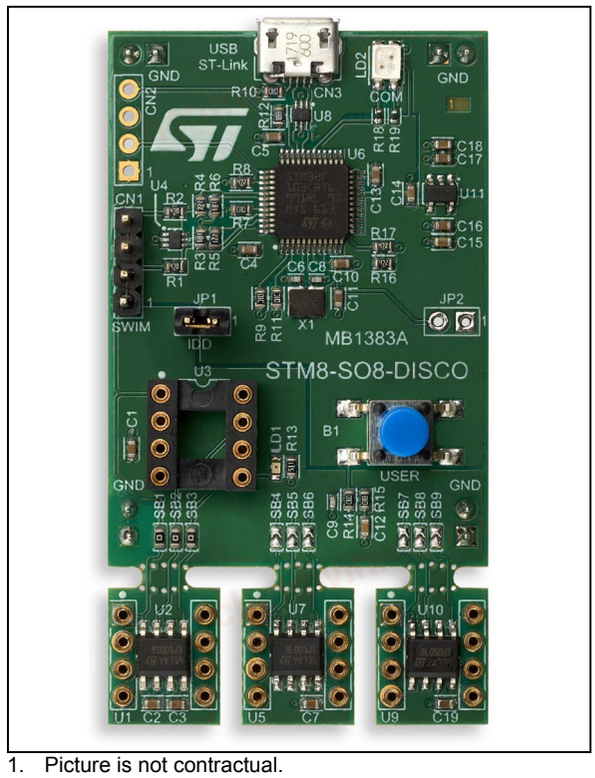
STM8-SO8-DISCO

Discovery kit with STM8S001J3M3, STM8L001J3M3 and STM8L050J3M3 MCUs

Data brief

Features

- STM8S001J3M3 microcontroller featuring 8 Kbytes of Flash memory, 1 Kbyte of RAM and 128 bytes of Data EEPROM in an SO8 package
- STM8L001J3M3 microcontroller featuring 8 Kbytes of Flash memory including up to 2 Kbytes of Data EEPROM and 1.5 Kbytes of RAM in an SO8 package
- STM8L050J3M3 microcontroller featuring 8 Kbytes of Flash memory, 1 Kbyte of RAM and 256 bytes of Data EEPROM in an SO8 package
- 1 user LED
- 1 user push-button
- Individual and breakable STM8 SO8 to DIL8 module
- DIL8 socket to ease programming of the STM8 MCU
- On-board ST-LINK/V2 debugger/programmer
- Comprehensive free software libraries and examples
- Support of a wide choice of Integrated Development Environments (IDEs) including Cosmic, IAR™, Raisonance, iSYSTEM and STMicroelectronics



1. Picture is not contractual.

The STM8-SO8-DISCO is operated by simply plugging it into a PC through a standard USB Type-A to Micro-B cable.

Description

The STM8-SO8-DISCO helps to discover features of STM8S Value Line and STM8L Value Line devices available in SO8 packages. This discovery kit offers three SO8 to DIL8 modules designed with STM8S001J3M3, STM8L001J3M3 and STM8L050J3M3 microcontrollers, and allows the user to easily develop and share applications. It includes an on-board ST-LINK/V2 to debug and program any of the embedded STM8 microcontrollers, or even an external target by means of a SWIM connector.

For further information contact your local STMicroelectronics sales office. www.st.com

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System requirements

- Windows® OS (7, 8 and 10)
- USB Type-A to Micro-B cable

Development toolchains

- STMicroelectronics: free STVD-STM8 (using Cosmic toolchain)
- IAR™: IAR-EWSTM8
- Cosmic: free IDEA
- Raisonance: RIDE-STM8
- iSYSTEM: winIDEA-STM8

Demonstration software

The demonstration software, included in the corresponding STM8 standard peripheral library package, is preloaded in the STM8S001J3M3 Flash memory for easy demonstration of the device peripherals in standalone mode. The latest versions of the demonstration source code and associated documentation can be downloaded from the www.st.com/stm8-discovery web page.

Ordering Information

To order the STM8-SO8-DISCO kit, refer to *Table 1*.

Table 1. Ordering information

Order code	Target STM8
STM8-SO8-DISCO	STM8S001J3M3 STM8L001J3M3 STM8L050J3M3

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Revision history

Table 2. Document revision history

Date	Revision	Changes
12-Jan-2018	1	Initial version
24-Jan-2018	2	Updated *Development toolchains*
19-Mar-2018	3	Updated documentation title, *Description* and *Ordering Information*

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