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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# SerialFlash™

## Manual

*All Mikroelektronika's development systems feature a large number of peripheral modules expanding microcontroller's range of application and making the process of program testing easier. In addition to these modules, it is also possible to use numerous additional modules linked to the development system through the I/O port connectors. Some of these additional modules can operate as stand-alone devices without being connected to the microcontroller.*

# Additional board

 **MikroElektronika**

SOFTWARE AND HARDWARE SOLUTIONS FOR EMBEDDED WORLD ...making it simple

## SerialFlash

The SerialFlash additional board features 8Mbit serial flash memory. Due to a DIP switch and voltage translators provided on the board, it can be easily connected to various 3.3V or 5V development systems.

### Key features:

- SPI bus compatible serial interface;
- 8 Mbit of Flash memory;
- 3.3 V or 5 V single supply voltage;
- Bulk Erase (8 Mbit) in 8 s (typical).

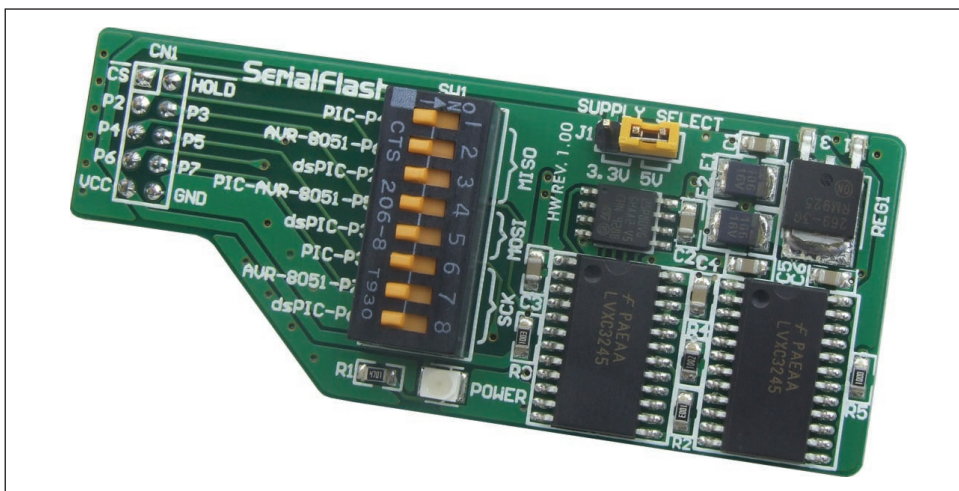


Figure 1: SerialFlash additional board

### How to connect the board?

The SerialFlash additional board is connected to a development system via a 2x5 connector CN1 on the additional board and a 2x5 connector on a development system's port. Port selection depends on the arrangement of pins used for SPI communication. Depending on the development system in use, it is necessary to set the appropriate switches on DIP switch SW1 to the ON position, table 1. Jumper J1 is used to select power supply voltage (3.3V or 5V) to be used to power the additional board.

	MISO	MOSI	SCK
PIC	1 (P4)	4 (P5)	6 (P3)
dsPIC	3 (P2)	5 (P3)	8 (P6)
AVR-8051	2 (P6)	4 (P5)	7 (P7)
	Position of switches on DIP switch SW1 for appropriate dev.system		

Table 1

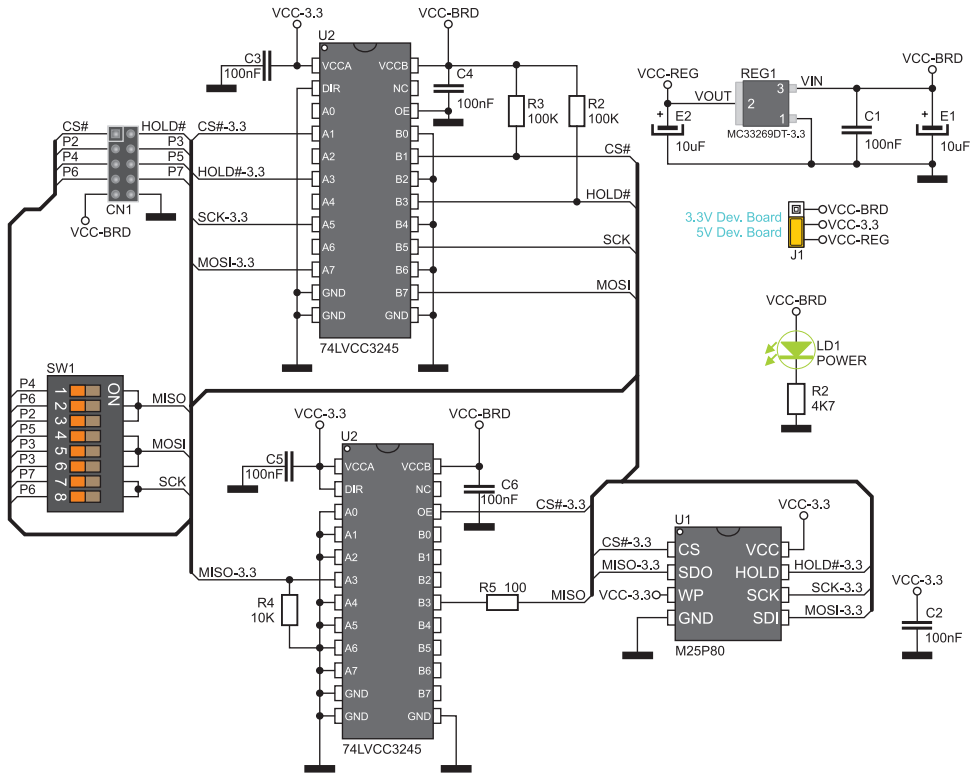


Figure 2: SerialFlash additional board connection schematic

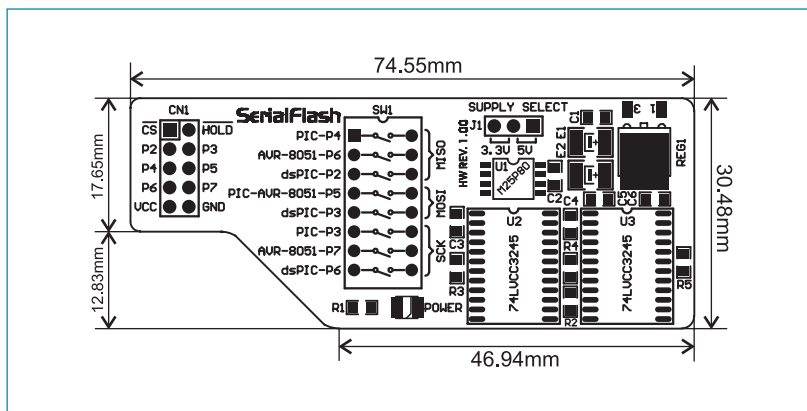


Figure 3: Dimensions of the SerialFlash additional board

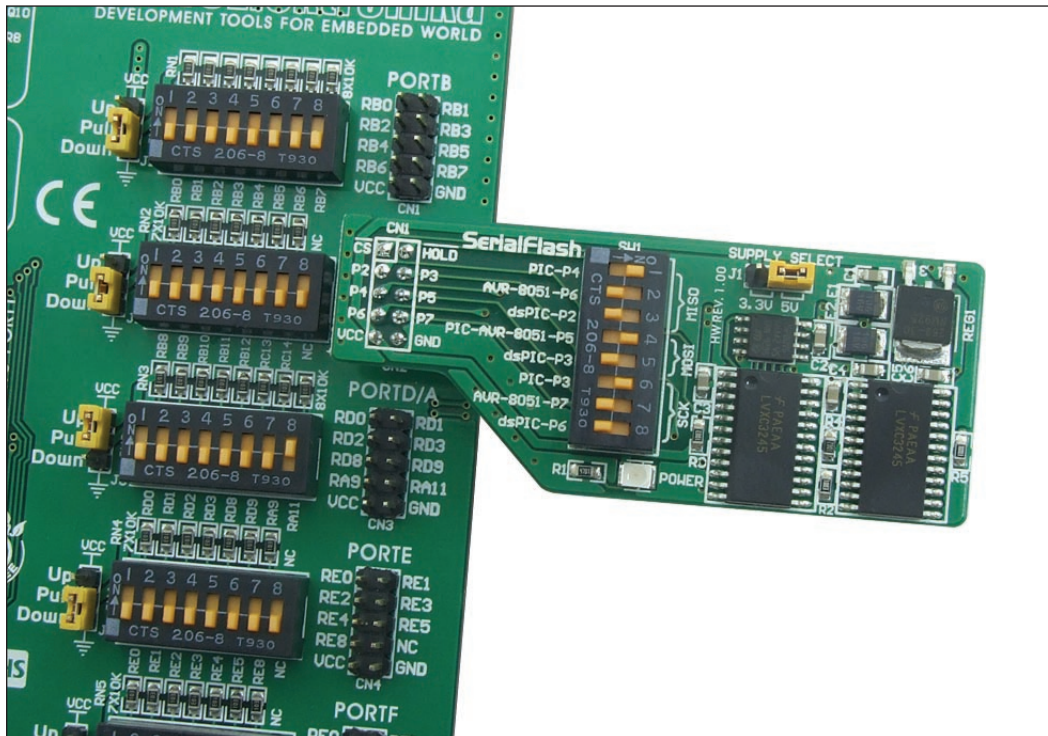


Figure 4: SerialFlash connected to a development system



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