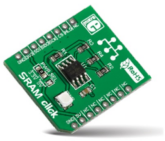

MIKROE 23LC1024 SRAM Click Board Instructions

Contents

SRAM click

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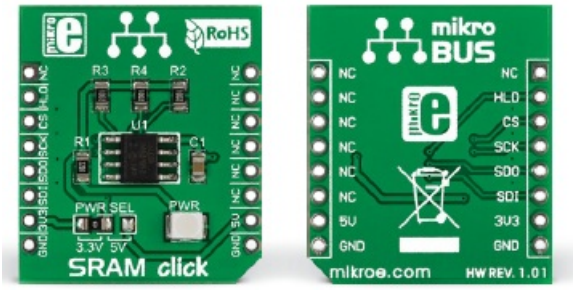
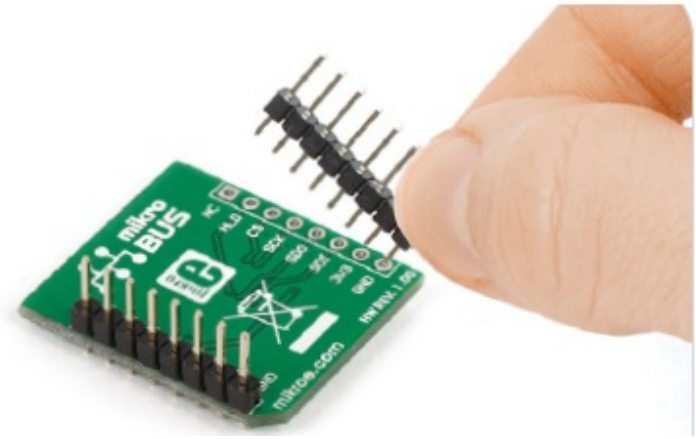
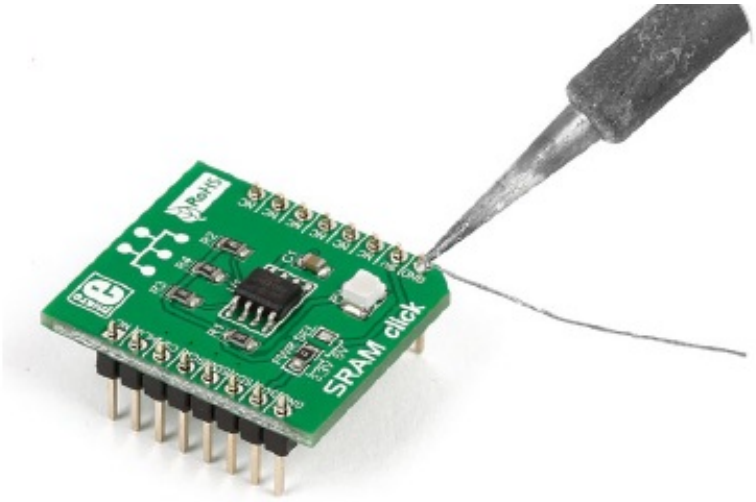
Introduction



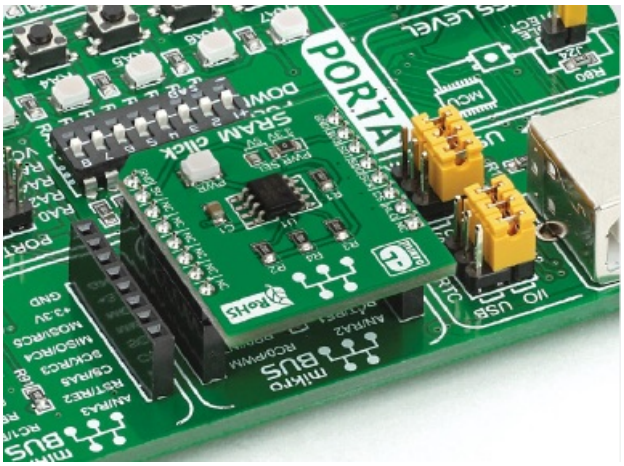
1. SRAM click lets you add 1 Mbit of additional SRAM memory to your devices, via the 23LC1024 chip. The board communicates with the target MCU through the mikroBUS™ SPI interface (MISO, MOSI, SCK, CS) with additional HOLD functionality provided through the default mikroBUS™ RST pin. SRAM click is designed to use either a 3.3V or 5V power supply.



2. Turn the board upside down so that the bottom side is facing you upwards. Place shorter pins of the header into the appropriate soldering pads.



Turn the board upward again. Make sure to align the headers so that they are perpendicular to the board, then solder the pins carefully.



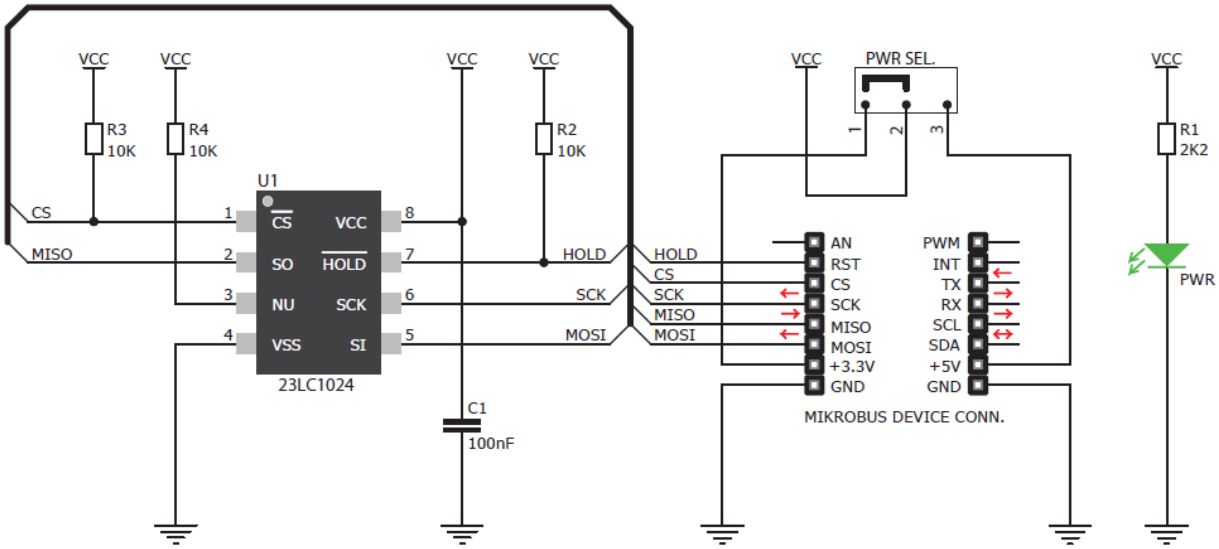
3. Plugging the board in

   Once you have soldered the headers your board is ready to be placed into the desired mikroBUS™ socket. Make sure to align the cut in the lower-right part of the board with the markings on the silkscreen at the mikroBUS™ socket. If all the pins are aligned correctly, push the board all the way into the socket.

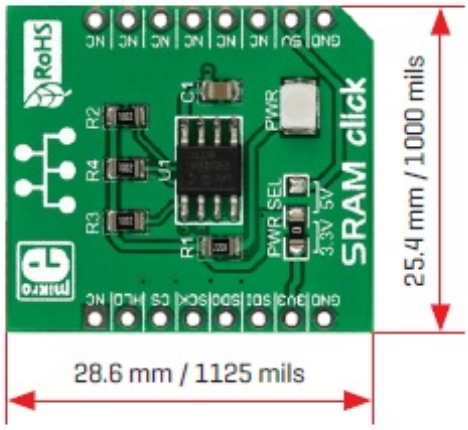
4. Essential features

   The 23LC1024 IC organizes the memory in 8-bit instruction registers and 32-byte pages. Three operating modes for reading and writing data are available: byte, page, and sequential (the last one allows read/write for entire memory array). The clock rate for all three modes is up to 20MHz. The HOLD pin, when pulled low, suspends data transmission mid-sequence (without causing the reset of the entire sequence).

5. Schematic



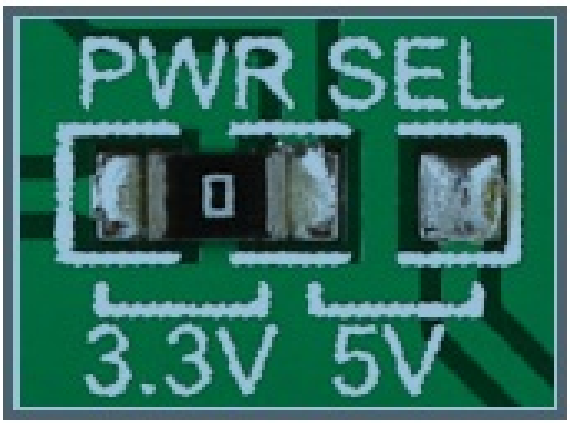
6. Dimensions

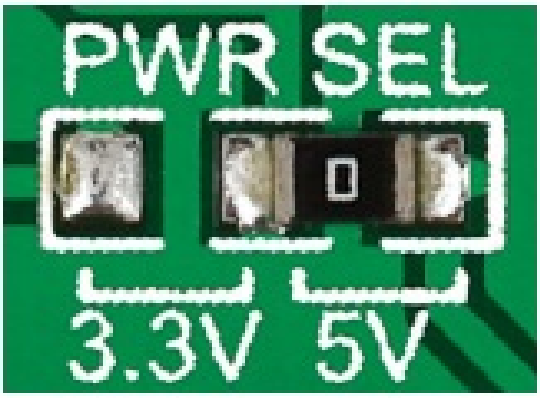


	mm	mils
LENGTH	28.6	1125
WIDTH	25.4	1000
HEIGHT*	3.3	130

* without headers

7. SMD jumpers





SRAM click features an SMD jumper (zero ohm resistor) that let's you switch between a 3.3V or a 5V power supply.

8. Code examples

Once you have done all the necessary preparations, it's time to get your click board™ up and running. We have provided examples for mikroC™, mikroBasic™ and mikroPascal™ compilers on our Libstock website. Just download them and you are ready to start.

9. Support

MikroElektronika offers free tech support **(www.mikroe.com/support)** until the end of the product's lifetime, so if something goes wrong, we're ready and willing to help!

10. Disclaimer

MikroElektronika assumes no responsibility or liability for any errors or inaccuracies that may appear in the present document. Specification and information contained in the present schematic are subject to change at any time without notice.

Documents / Resources

	MIKROE 23LC1024 SRAM Click Board [pdf] Instructions 23LC1024 SRAM Click Board, 23LC1024, SRAM Click Board

References

- MikroElektronika support is here to help - MIKROE