Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
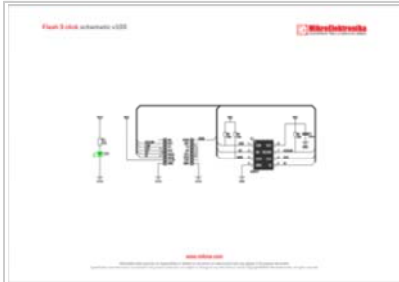

Contact us

Flash 3 click

From MikroElektonika Documentation

Flash 3 click carries an ISSI IS25LP128 IC with 128 Mbit capacity.

Features and usage notes

The high-performance Flash chip operates at 50MHz at Normal and 133MHz at Fast Read speeds.

It is specified to standard 100,000 erase/program cycles with more than 20 years of data retention. The data can be erased in sectors or blocks and programmed with 1 to 256 bytes per page.

Each chip has a 128-bit unique ID for each device.

Flash 3 communicates with the target board through the mikroBUS™ SPI interface with additional functionality provided by HOLD, CE and WP pins. It is designed to use a 3.3V power supply only.

Schematic also available in PDF (http://cdn-docs.mikroe.com/images/4/4f/6DOF_IMU_click_sch

The click board also comes with a firmware library (http://libstock.mikroe.com/projects/view/1895/flash-3-click) which is very similar to the one used for Flash 2 click, documented in this learn article (http://learn.mikroe.com/this-nand-nor-that-nand/).

Flash 3 click

IC/Module	LSM6DS33
	(http://www.issi.com/WW/pdf/25LP128.pdf)
Interface	SPI
Power supply	3.3V
Website	www.mikroe.com/click/flash-3/
	(http://www.mikroe.com/click/flash-3/)

Programming

This example shows the Flash 3 click write routine.
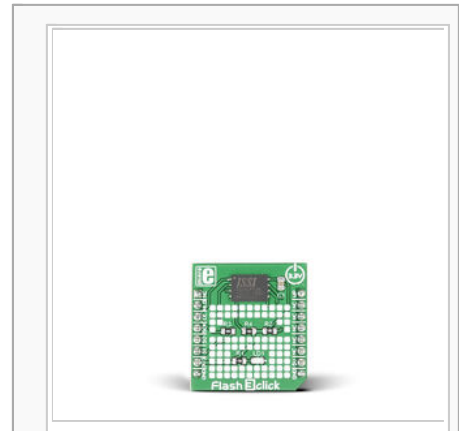
```
1 void flash_3_write
2 (
3         uint32_t address,
4         uint8_t *buffer,
5         uint32_t count
6 )
7 {
8     flash_3_write_enable( true );
9     flash_3_hal_cs( 0 );
10    flash_3_hal_cmd( FLASH_3_PP );
11    flash_3_write_address( address );
12    flash_3_hal_write( buffer, count );
13    flash_3_hal_cs( 1 );
14    while( flash_3_wip() );
15 }
```

Code examples that demonstrate the usage of Flash 3 click with MikroElektronika hardware, written for mikroC for ARM, and FT90x are available on [Libstock : http://libstock.mikroe.com/projects/view/1895/flash-3-click Libstock].

Resources

- Vendor's data sheet (http://www.issi.com/WW/pdf/25LP128.pdf)

- Flash 3 click Libstock example (http://libstock.mikroe.com/projects/view/1895/flash-3-click)

- mikroBUS standard specifications (http://www.mikroe.com/downloads/get/1737/mikrobus_specification.pdf)