

Introduction

This sample code uses SPI peripheral to drive NAND FLASH.

Applicable products:

Product series	All AT32 MCU
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List of major peripherals used:

Peripherals	SPI, DMA
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1 Overview

This sample code demonstrates how to use AT32 MCU SPI peripheral to access SPI-NAND FLASH. In this demo, the part number of nand flash is F50L1G41LB from ESMT. With the help of SPI interface, we shows how to read ID, block erase, and perform read and write operations to NAND FLASH.

2 Quick start

2.1 Hardware resources

- 1) AT-START-F437 board
- 2) nand flash F50L1G41LB

2.2 Software resources

- SC0119_SourceCode

2.3 Example case

For hardware:

Connect AT-START-F437 board to SPI board through J3, J4, J5 and J6. Then solder the SPI board to F50L1G41LB.

For software:

Open SC0119_SourceCode_V2.x.x\utilities\spi_access_nand_flash\mdk_v5, compile and download it to the evaluation board.

3 Revision history

Table 1. Document revision history

Date	Revision	Changes
2023.05.06	2.0.0	Initial release

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