

## Data Transfer from Flash to SRAM Using DMA

## Introduction

This sample code demonstrates how to use DMA to transfer data from Flash to SRAM for AT32F series.

*Note: This sample code is written based on Artery's V2.x.x BSP. For other versions of BSP, users should pay attention to the differences in use.*

Applicable products:

Product series	AT32F4xx
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List of major peripherals used:

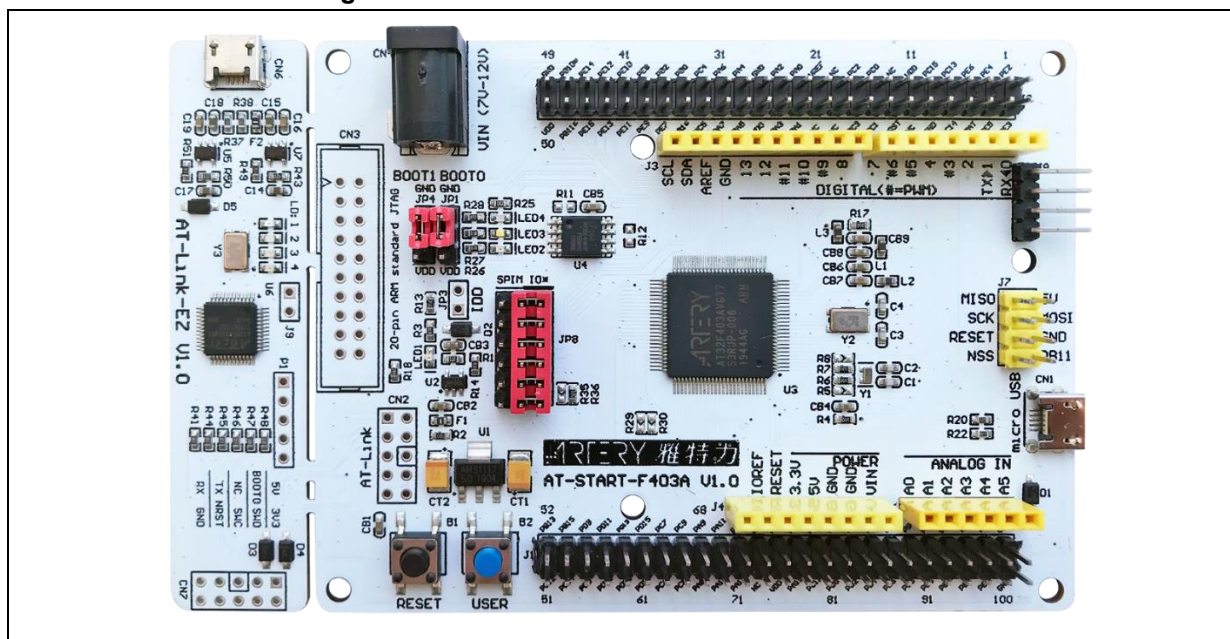
Peripherals	DMA
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## 1 Quick start

### 1.1 Hardware resources

- 1) AT-START-F403A V1.0 evaluation board (select evaluation board according to the corresponding MCU series)
- 2) Check LED change on the board.

Figure 1. AT-START-F403A V1.0 evaluation board



### 1.2 Software resources

- 1) Source code
  - flash\_to\_sram

*Note: All of projects are built based on Keil 5. For the need to run in other compiling environments, user can make simple adjustments according to AT32xxx\_Firmware\_Library\_V2.x.x\project\at\_start\_xxx\templates.*

### 1.3 Example case

- 1) Open flash\_to\_sram, compile and download it to the evaluation board AT-START-F403A
- 2) AT-START-F403A V1.0 evaluation board is used here, so we select AT32F403A project
- 3) Reset the board. If all LEDs on board are ON, it means test success.

## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2021.12.06	2.0.0	Initial release

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