

FLASH_CODE

1. Operation Outline

The Flash data are re-written by using the user boot mode.

2. Each Setting

SW : SW4 (PortA2)

LED : LED0 (PortJ0)
: LED1 (PortJ1)
: LED2 (PortJ2)
: LED3 (PortJ3)

External interrupt : INT00 (PortA2)

3. Basic Operation

First, the main program starts, and LED0 and LED2 are turned on.

When the SW4 is pushed down, the write operation, erasing of the code flash page (0x5E008000-0x5E008FFF, 0x5E010000-0x5E010FFF), and writing to the code flash are executed. Then LED1 and LED3 are turned on. (1)

When the SW4 is pushed down after (1), the write operation, erasing of the code flash block (0x5E008000-0x5E00FFFF, 0x5E010000-0x5E017FFF), and writing to the code flash are executed. Then, LED0 and LED2 are turned on. (2)

After that, the same procedures are repeated, and the procedure (1) and (2) is repeated alternately.

4. Note

Multiple push-downs of a switch are not supported.