

## **1.Operation Summary**

Rewriting flash memory using userboot mode.

## **3.Basic Operation**

Ready a blinking LED program A and a blinking LED program B.

Firstly, start the main and run the blinking LED program A.

When push SW, save the blinking LED program A, the blinking LED program B and erase program in the RAM.

Erase flash area that saved the blinking LED program A and B originally.

Programming the blinking LED program B that saved RAM in the flash area that saved the blinking LED program A originally.

And programming the blinking LED program A that saved RAM in the flash area that saved the blinking LED program B originally.

Start the blinking LED program B from main.

From then repeat the same process, renew program A and B alternately.

Display operating condition of program at terminal software via UART.

#### 4.Resource

Board	TMPM4K4FYAUG Evaluation Board
SW	SW1(PE2)
LED	Blinking LED1(PJ0) and LED3(PJ4) in a period for 1 second: blinking LED program A Blinking LED2(PJ2) and LED4(PL4) in a period for 1 second: blinking LED program B
<u>UART Setting</u>	RXD:PK0, TXD PK1 Baud Rate :115200(bps) Data :8(bit) Parity : None Stop Bit :1(bit) Flow Control: None

#### 5.Output Example

Execute blinking LED program A	Excecute Program A
Execute blinking LED program B	Excecute Program B
Wait for push botton	Please press the S1
RAM transferring	RAM transferring
Erasing	Erasing
Writing	Rewriting
Complete writing	Finished

Memory map image

