

1.Operation Summary

Rewriting flash memory using userboot mode.

2.Board setting

Connect the terminal on the evaluation board as follows

CN5 1-2 3-4 CN9 1-2 3-4 5-6 7-8

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	TMPM4G9F15 Evaluation Board
SW	S7 (PV1)
LED	Blinking D8 and D10 in a period for 1 second: blinking LED program A Blinking D7 and D9 in a period for 1 second: blinking LED program B
Display operation status	CN17 (PE2 PE3) UART-USB <u>UART Setting</u> Baud Rate :115200(bps) Data :8(bit) Parity : None Stop Bit :1(bit) Flow Control: None

5.動作状態表示例

Execute blinking LED program A

Excecute Data A

Execute blinking LED program B

Excecute Data B

Wait for push botton

Please press the S7

RAM transferring

RAM transferring

Erasing

Erasing

Writing

Rewriting

Complete writing

Finished

Memory map image

