

CGRST

1. Operation Overview

Switch to the Low Power Consumption Mode (IDLE/STOP1/STOP2) by the push SW port input as a trigger.

After Switching to the Low Power Consumption Mode, Switch back to the Normal Mode by the external interrupt function.

Turn on and off the LED depending on the Operation Mode.

2.Board setting

Connect the terminal on the evaluation board as follows

CN4 9-10 31-32 43-44 45-46 CN9 1-2 3-4 5-6 7-8

3. Each Setting

<u>Push SW for switching</u> <u>to the Low Power Consumption Mode</u>		IDLE	: S4 (PortL4)
		STOP1	: S5 (PortL5)
		STOP2	: S6 (PortV0)
		Back to normal mode	: S9 (PortL0)
<u>LED</u>	Normal Mode		: LED0 (PortE4)
	Low Power Consumption Mode	IDLE	: LED1 (PortE5)
		STOP1	: LED2 (PortE6)
		STOP2	: LED2 (PortE7)
<u>LED on/off cycle</u>	Normal Mode		: repeating 1 second on -> 1 second off
	Low Power Consumption Mode	IDLE	: on
		STOP1	: on
		STOP2	: on
<u>External Interrupt</u>			: INT01a (PortL0)

4. Basic Operation

- After Reset, the Normal Mode will start
- In the Normal Mode, following operation will be performed
 - Turn on and off the assigned LED in the specified cycle (other LEDs are off)
 - Observe the push SW port input (Observation in the specified cycle)
 - Switch to the Low Power Consumption Mode by each push SW port input
- In the Low Power Consumption Mode, following operation will be performed

IDLE

- Turn on the assigned LED (other LEDs are off)
- After the detect external interrupt, Switch back to the Normal Mode

STOP1

- Turn on the assigned LED (other LEDs are off)
- After the detect external interrupt, Switch back to the Normal Mode

STOP2

- Turn on the assigned LED (other LEDs are off)
- After the detect external interrupt, start the reset sequence

5. Remarks

Push SW input in the Low Power Consumption Mode (Switching from the Low Consumption Mode to the Low Power Consumption Mode) will be ignored.
Chattering of the push SW is not handled.