

# CGRST

## 1. Operation Summary

Switch to the Low Power Consumption Mode (IDLE/STOP1) by the slide SW port input as a trigger  
After Switching to the Low Power Consumption Mode, Switch back to the Normal Mode by the external interrupt by press SW1.  
Turn on and off the LED depending on the Operation Mode

## 2. settings

This sample program is evaluated on the TMPM4K4 evaluation board.

<u>Slide SW for switching to the Low Power Consumtion Mode</u>		IDLE	: Port L1(S_SW1 :side 3)
		STOP1	: Port L2(S_SW2 :side 3)
<u>LED</u>	Normal Mode		: Port J0
	Low Power Consumption Mode	IDLE	: Port J2
		STOP1	: Port J4
<u>LED on/off cycle</u>	Normal Mode		: repeating 1 second on -> 1 second off
	Low Power Consumption Mode	IDLE	: on
		STOP1	: on
<u>Board setting</u>	Connect J7 5pin(INT9) and J5 3pin (PE2) on board.		

### 3. 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 slide SW port input ( Observation in the specified cycle)
  - Switch to the Low Power Consumption Mode by each slide SW port input
- In the Low Power Consumption Mode, following operation will be performed

IDLE

- Turn on the assigned LED ( other LEDs are off )
- Switch to the Normal mode by push SW1

STOP1

- Turn on the assigned LED ( other LEDs are off )
- Switch to the Normal mode by push SW1

When switch to the Normal mode, return 1 side S\_SW.

### 4. 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.