

TCA_EVENT_COUNT

1. Operation Outline

Lighting or lighting-out of the LED is switched every setting interval using the event counter mode of TCA timer.

2. Each Setting

<u>Timer register</u>	: default = 0x0180	main.c: Changing the value of "#define TCA_EVENT_INTERVAL" allows changing the interval.
<u>Input pulse to TCA0 pin</u>	: default = fcgck/2	
<u>Trigger edge</u>	: default = falling edge	main.c: Changing the value of "#define TCA_EVENT_EDGE" allows changing the trigger edge.
<u>Noise cancellation</u>	: None	main.c: Changing the value of "#define TCA_EVENT_NOIZE_CANCEL" allows changing the noise cancellation setting.
<u>Trigger input</u>	: TCA0 (Port72)	
<u>LED</u>	: LED2 (Port27)	
<u>Timer interrupt</u>	: INTTCA0	

3. Basic Operation

Lighting or lighting-out of LED2 is switched every interval according to the timer register and input pulses.

4. Note

None.