

# RTC

## 1. Operation Outline

The LED repeats lighting or lighting out for intervals of the real time clock (RTC) interrupt.

## 2. Each Setting

Interrupt generation intervals : default = 0.500 [s] main.c: The interval can be changed by changing the setting value (\*) of RTC timer control register (RTCCR).

```
* Setting available value = #define RTC_SEL_2_15_FS (2^15/fs = 1.000[s])    fs=32.768 kHz
                           #define RTC_SEL_2_14_FS (2^14/fs = 0.500[s]) This value should be used.
                           #define RTC_SEL_2_13_FS (2^13/fs = 0.250[s])
                           .
                           .
                           .
                           #define RTC_SEL_2_9_FS   (2^9/fs = 15.62[ms])
                           #define RTC_SEL_2_8_FS   (2^8/fs = 7.81[ms])
```

LED : LED0 (Port25)

## 3. Basic Operation

The interval setting of RTC interrupt is selected and the build is done.

The LED0 repeats lighting and lighting out by the selected interrupt interval.

## 4. Note

None.