# CG_STOP1

## 1. Operation Outline

The port input by SW6 triggers the transition to Low power mode (STOP1 mode).
The external interrupt is generated by SW4. It returns to NORMAL mode.
The lighting and the blink of the LEDs depend on the mode.

## 2. Each Setting

| | | | |
|---|---|---|---|
| Low power mode switch (SW) | | STOP1 | : SW6 (PortA4) |
| | | NORMAL mode resumption | : SW4 (PortA2) |
| LED | NORMAL mode | | : LED0 (PortJ0) |
| | Low power mode | STOP1 | : LED2 (PortJ2) |
| LED operation | NORMAL mode | | : blinking |
| | Low power mode | STOP1 | : Lighting |
| External interrupt | | | : INT00 (PortA2) |

## 3. Basic Operation

・The following operations are done in NORMAL mode.

　　・Assigned LED blinks with the set cycle (the other LED lights out).

　　・SW6 (PortA4) operation transits to STOP1 mode.

・The following operations are done in Low power mode.

　STOP1

　　・Assigned LED lights (the other LED lights out).

　　・SW4 (PortA2) operation transits to NORMAL mode.

## 4. Note

In Low power mode, the other inputs than the PortA2 input (transition of Low power mode -> Low power mode) are invalid.
Multiple push-downs of the switch are not supported.

**5. Terms**

| Operation mode | Term | Description |
|---|---|---|
| NORMAL mode | NORMAL | NORMAL operation. |
| Low power mode | STOP1 | System clock stops. Low frequency clock can operate. |