

# I2C\_MASTER\_RECEIVE

## 1. Operation Outline

This sample program uses two evaluation boards. One board is receiver board for I2C\_MASTER\_RECEIVE sample program, and the other is transmitter board for I2C\_SLAVE\_TRANS sample program. These sample programs need to write in advance, respectively. The character string "TMPM4KQ" transmitted from SLAVE TRANS side of the board is received by a port input with a switch. The LED is turned on at receiving I2C.

## 2. Each Setting

Switch : SW4 (PortA2)

LED : LED0 (PortJ0)

External interrupt : INT00 (PortA2)

I2C : I2C1SDA (PortU0) The MCU 1 pin at RECEIVE side of the board and MCU 1 pin at TRANS side of the board are connected.  
: I2C1SCL (PortU1) The MCU 2 pin at RECEIVE side of the board and MCU 2 pin at TRANS side of the board are connected.

## 3. Basic Operation

SW4 on the board (RECEIVE side) is set to receive standby mode.

When the character string "TMPM4KQ" is transmitted from the SLAVE TRANS side board, a reception interrupt occurs.

When all the character strings are received, the LED lights on.

## 4. Note

Multiple push-downs of a switch are not supported.