I2C_SLAVE_TRANS

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" is transmited by a port input with a switch.
The LED is turned on at transmitting I2C.

2. Each Setting

Switch	: SW4 (PortA2)
LED	: LED0 (PortJ0) Lights on when reception is complete : LED1 (PortJ1) Blinks on error : LED2 (PortJ2) It lights on by the operation of SW4. Lights off when reception is complete
External interrupt	: INT00 (PortA2)
I2C	: I2C1SDA (PortU0) The MCU 1 pin at TRANS side of the board and MCU 1 pin at RECEIVE side of the board are connected. : I2C1SCL (PortU1) The MCU 2 pin at TRANS side of the board and MCU 2 pin at RECEIVE side of the board are connected.

3. Basic Operation

The state is in the transmission standby state by SW4 of SLAVE TRANS board. By the SW4 at MASTER RECEIVE side of the board,
character string "TMPM4KQ" is transmitted. When the transmission of all character strings is completed, LEDs light on.

4. Note

Multiple push-downs of a switch are not supported.