

# TSPI\_TRANS\_CRC

## 1. Operation Outline

This sample program uses two evaluation boards. One board is receiver board for TSPI\_RECEIVE\_CRC sample program, and the other is transmitter board for TSPI\_TRANS\_CRC sample program. These sample programs need to write in advance, respectively. With the port input by the switch as a trigger, the CRC code is added to the character string "TMPM4KQ" and transmitted. The LED lights when the TSPI transmission completes.

## 2. Each Setting

Switch : SW4 (PortA2)

LED : LED0 (PortJ0)  
: LED1 (PortJ1) Blinks on error

External Interrupt : INT00 (PortA2)

TSPI : TSPI1CS1 (PortG1) MCU 104 pin on the transmitter board should be connected to MCU 106 pin on the receiver board.  
: TSPI1TXD (PortG5) MCU 108 pin on the transmitter board should be connected to MCU 107 pin on the receiver board.  
: TSPI1SCK (PortG6) MCU 109 pin on the transmitter board should be connected to MCU 109 pin on the receiver board.

## 3. Basic Operation

For each operation of SW 4, add the CRC code to the character string "TMPM4KQ" and transmit it. The LED0 will light up when TSPI transmission is completed.

## 4. Note

Multiple push-downs of the switch are not supported.