

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.