TSPI_RECEIVE_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 the trigger, it enters the reception standby state and lights the LED 2.
Receives the character string "TMPM4KQ" and CRC code sent from the sending board.
The CRC is checked. And if the result is correct, the LED2 light off and the LED0 light on.

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)

TSPI : TSPI1CSIN (PortG3) MCU 106 pin on the receiver board should be connected to MCU 104 pin on the transmitter board.
: TSPI1RXD (PortG4) MCU 107 pin on the receiver board should be connected to MCU 108 pin on the transmitter board.
: TSPI1SCK (PortG6) MCU 109 pin on the receiver board should be connected to MCU 109 pin on the transmitter board.

3. Basic Operation

When SW 4 is operated, it becomes reception standby state (LED 2 light on).
Receives the character string "TMPM4KQ" and CRC code.
If there is no problem with CRC check, LED 2 light off and LED 0 light on.

4. Note

Multiple push-downs of the switch are not supported.