SBI

1. Operation Outline

The Master mode is set by the command input (via UART) from the terminal software of PC.
Then a write command is input to the Master, the 1-byte data (0xA3) is transmitted to the Slave.
Slave stores the transmitted data.
The Slave transmits received test data to the Master when receiving the transmission request.

2. Each Setting

SBI	: SDA0 (Port23)	
	: SCL0 (Port24)	
UART	: TXD2 (Port93)	
	: RXD2 (Port94)	
Command list	: master	Master mode is set.
	: write	The test data (0xA3) is transmitted from Master to Slave.
	: read	Master requests the transmission of the stored data to Slave.
Serial port setting	Baud rate	: 115200 (bps)
	Data	: 8 (bit)
	Parity	: None
	Stop	: 1 (bit)
	Flow control	: None

3. Basic Operation

After wiring of two boards, both boards connect to the terminal software via UART, and start in Slave mode.
One of them sets to Master mode by "master" command transmission.
By "write" command input on the terminal software as Master, Master transmits 1-byte data (0xA3) to Slave.
Slave stores the received data.
By "read" command input on the terminal software as Master, Master requests to transmit 1-byte data (0xA3) to Slave.
Then after receiving the request, Slave transmits the former stored data to Master.

4. Note

The following functions are not included.
・Start byte
・10-bit address specification
・ Falling edge slope control of SDA pin and SCL pin