

```
#include <util\delay.h>
#include <avr\io.h>

#define I2CPORT _SFR_IO8(0x18) //DDRB
#define I2CDDR _SFR_IO8(0x17)
#define I2CPIN _SFR_IO8(0x16)
#define CHECKBIT(ADDRESS,BIT) (ADDRESS & (1<<BIT))

#define SCLP      0
#define SDAP      1

/**
 * \def SLOW
 * Set the Serial Clock to 100kHz
 */
/**
 * \def FAST
 * Set the Serial Clock to 400kHz
 */
/**
 * \def I2C_RD
 * Bit to read data
 */
/**
 * \def I2C_WR
 * Bit to write data
 */

#define I2C_RD      1
#define I2C_WR      0
#define SLOW        100000
#define FAST        400000
```