

Установка битов конфигурации:

```
#pragma config OSC = INTIO67 // Oscillator Selection bits (Internal oscillator block, port
function on RA6 and RA7)

#pragma config BOREN = SBORDIS // Brown-out Reset Enable bits (Brown-out Reset enabled
in hardware only (SBOREN is disabled))

#pragma config MCLRE = OFF // MCLR Pin Enable bit (RE3 input pin enabled; MCLR
disabled)

#pragma config STVREN = ON // Stack Full/Underflow Reset Enable bit (Stack
full/underflow will cause Reset)

#pragma config BORV = 3 // Brown Out Reset Voltage bits (Minimum setting)

#pragma config FCMEN = OFF // Fail-Safe Clock Monitor Enable bit (Fail-Safe Clock
Monitor disabled)

#pragma config IESO = OFF // Internal/External Oscillator Switchover bit (Oscillator
Switchover mode disabled)

#pragma config PWRT = OFF // Power-up Timer Enable bit (PWRT disabled)

#pragma config WDT = OFF // Watchdog Timer Enable bit (WDT disabled (control is
placed on the SWDTEN bit))

#pragma config CCP2MX = PORTC // CCP2 MUX bit (CCP2 input/output is multiplexed with
RC1)

#pragma config PBADEN = OFF // PORTB A/D Enable bit (PORTB<4:0> pins are
configured as analog input channels on Reset)

#pragma config LPT1OSC = OFF // Low-Power Timer1 Oscillator Enable bit (Timer1
configured for higher power operation)

#pragma config LVP = OFF // Single-Supply ICSP Enable bit (Single-Supply ICSP
enabled)

#pragma config XINST = OFF // Extended Instruction Set Enable bit (Instruction set
extension and Indexed Addressing mode disabled (Legacy mode))
```

Подключение библиотек:

```
#include <stdio.h>

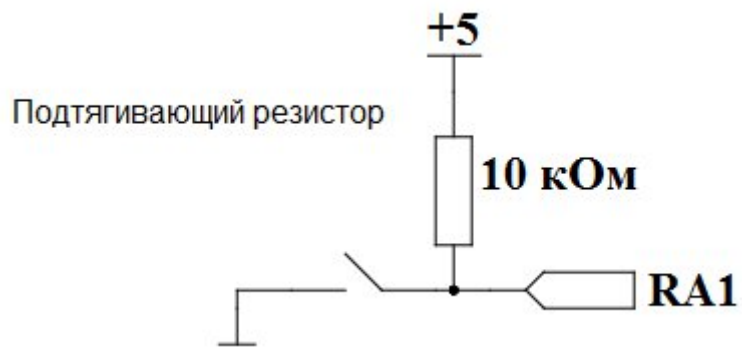
#include <xc.h>

#include <pic18f2520.h>

#define _XTAL_FREQ_ 4000000 //Частота внутреннего кварца (Internal oscillator)
```

Примечание! Внутренние резисторы я не стал включать, припаял свой номиналом 2.2 кОм согласно этой схеме

Схема:



Программа:

```
#define LED LATAbits.LATA0
#define SWITCH LATAbits.LATA1

void main(void) {
    TRISAbits.RA0 = 0;
    TRISAbits.RA1 = 1;
    while(1) {
        if (SWITCH == 1) {
            LED = 1;
            _delay(250000);
            LED = 0;
            _delay(250000);
        } else { LED = 0;
        }
    }
}
```

