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目前使用PIC16F877A 寫一個每按壓一次SW,藉由24C02寫入並讀出數值(由7-SEG顯示),但目前按壓無任何動作,

單純寫入24C02數值並由7-SEG讀出數值都是OK的,但是寫入後要再讀出,並由7-SEG顯示卻無法動作,繁複看了好幾次一直找不到問題點,是否有前輩可以幫忙指導一下

```
#include <pic.h>           //羣蜥PIC16F87XA等 儂腔笋恹璃
#include "877_I2C.H"
#include "24C02.H"

void delay(int num);
void I2C_Init(void);
void I2C_Start(void);
void I2C_RptStart(void);
void I2C_Stop(void);
int I2C_Read(unsigned char ack);
unsigned char I2C_Write(unsigned char I2CWriteData);
void write_ext_eeprom(unsigned char address,unsigned char data);
unsigned char read_ext_eeprom(unsigned char address);

__CONFIG(HS & LVPDIS & WDTDIS);

const unsigned char LED[]=
{
    0xc0,0xf9,0xa4,0xb0,0x99,0x92,0x82,0xf8,0x80,0x90 //0~9
};

//-----
void main()           //玃滲杆,等 儂羲儂綴憩岷植洸踪滲杆羲突塊儻
{
    unsigned char Reset_Count=0;
    unsigned char EEP_Address=0x04;

    TRISD=0X00;       //7-SEG Output
    PORTD=0Xff;       //7-SEG low
    TRISB1=1;        //RB1 input
    TRISE=0x00;      //control 7-SEG
    PORTE=0b11111101; //RE1 low
```

```

I2C_Init();
//Reset_Count=read_ext_eeprom(EEP_Address);
//Reset_Count++;
PORTD=LED[Reset_Count];
// write_ext_eeprom(EEP_Address,Reset_Count);
while(1)
{

    if(RB1==0)
    {
        delay(20);
        if(RB1==0)
        {
            Reset_Count++;
            if(Reset_Count>=10)
            {
                Reset_Count=0;
            }
            write_ext_eeprom(EEP_Address,Reset_Count);

            Reset_Count=read_ext_eeprom(EEP_Address);
            PORTD=LED[Reset_Count];

        }
    }

}

}

//-----I2C-----
void I2C_Init()
{
    TRISC3=1;      //SCL set input
    TRISC4=1;      //SCL set input

    SSPCON=0x38;   //設定I2C模式
    SSPCON2=0x00;
    SSPADD=0x09;   //主頻4M ,傳輸率:100K

    CKE=0;
    SMP=1;
    SSPIF=0;
    BCLIF=0;
}

void I2C_Start()
{

```

```

    SEN=1;
    while(SEN);
}

void I2C_RptStart()
{
    RSEN=1;
    while(RSEN);
}

void I2C_Stop()
{
    PEN=1;
    while(PEN);
}

int I2C_Read(unsigned char ack)
{
    unsigned char I2CReadData;

    RCEN=1;
    while(RCEN);
    I2CReadData=SSPBUF;
    if(ack)
    {
        ACKDT=0;
    }
    else
    {
        ACKDT=1;
    }

    ACKEN=1;
    while(ACKEN);
    return(I2CReadData);
}

unsigned char I2C_Write(unsigned char I2CWriteData)
{
    SSPBUF=I2CWriteData;
    while(RW);
    return(!ACKSTAT);
}

//-----24c02-----
void write_ext_eeprom(unsigned char address, unsigned char data)
{
    I2C_Start();

```

```

I2C_Write(0b10100000); //A2-A0:000, R/W=0
I2C_Write(address);
I2C_Write(data);
I2C_Stop();
delay(150);          //數值沒寫無法正常跑
}

unsigned char read_ext_eeprom(unsigned char address)
{
    unsigned char data;

    I2C_Start();
    I2C_Write(0b10100000); //A2-A0:000, R/W=0
    I2C_Write(address);
    I2C_RptStart();
    I2C_Write(0b10100001); //A2-A0:000, R/W=1
    data=I2C_Read(0);
    I2C_Stop();
    return(data);
}

//-----delay-----
void delay(int num)
{
    int aa,bb;
    aa=num;
    while(aa)
    {
        bb=num;
        while(bb)
            {bb--;}
        aa--;
    }
}

```