void write\_24c02 (unsigned char addr,unsigned char dat)

{

IIC\_Start();

IIC\_SendByte(0XA0);

IIC\_WaitAck();

IIC\_SendByte(addr);

IIC\_WaitAck();

IIC\_SendByte(dat);

IIC\_WaitAck();

IIC\_Stop();

}

unsigned char read\_24c02(unsigned char addr)

{

  unsigned char temp;

    EA=0;

    IIC\_Start();

    IIC\_SendByte(0XA0);

    IIC\_WaitAck();

    IIC\_SendByte(addr);

    IIC\_WaitAck();

    IIC\_Start();

    IIC\_SendByte(0xA1);

    IIC\_WaitAck();

    temp=IIC\_RecByte();

    IIC\_WaitAck();

    IIC\_Stop();

    EA=1;

    return temp;

}

void config\_ds1302

(unsigned char a,unsigned char b,unsigned char c)

{

Write\_Ds1302\_Byte(0x8e,0x00);

Write\_Ds1302\_Byte(0x80,c);

Write\_Ds1302\_Byte(0x82,b);

Write\_Ds1302\_Byte(0x84,a);

Write\_Ds1302\_Byte(0x8e,0x80);

}

void read\_ds1302 (void)

{

SMG[0]=Read\_Ds1302\_Byte(0X85)/16;

SMG[1]=Read\_Ds1302\_Byte(0X85)%16;

SMG[2]=17;

SMG[3]=Read\_Ds1302\_Byte(0X83)/16;

SMG[4]=Read\_Ds1302\_Byte(0X83)%16;

SMG[5]=17;

SMG[6]=Read\_Ds1302\_Byte(0X81)/16;

SMG[7]=Read\_Ds1302\_Byte(0X81)%16;

}

void dac(unsigned char dat)

{

    EA=0;

    IIC\_Start();

    IIC\_SendByte(0x90);

    IIC\_WaitAck();

    IIC\_SendByte(0x43);

    IIC\_WaitAck();

    IIC\_SendByte(dat);

    IIC\_WaitAck();

    IIC\_Stop();

    EA=1;

}

unsigned char adc(unsigned char addr)

{//0x01是光敏电阻0x03是RB2

    unsigned char temp;

    EA=0;

    IIC\_Start();

    IIC\_SendByte(0x90);

    IIC\_WaitAck();

    IIC\_SendByte(addr);

    IIC\_WaitAck();

    IIC\_Start();

    IIC\_SendByte(0x91);

    IIC\_WaitAck();

    temp=IIC\_RecByte();

    IIC\_WaitAck();

    IIC\_Stop();

    EA=1;

    return temp;

}

float read\_temp(void)

{

    unsigned char high,low;

    unsigned int temp;

    float tem=0;

    init\_ds18b20();

    Write\_DS18B20(0xcc);

    Write\_DS18B20(0x44);

    Delay\_OneWire(200);

    init\_ds18b20();

    Write\_DS18B20(0xcc);

    Write\_DS18B20(0xbe);

    Delay\_OneWire(200);

    low=Read\_DS18B20();

    high=Read\_DS18B20();

    high&=0x0f;

    temp=((high<<8)+low);

    tem=temp\*0.0625;

    return tem;

}

**//注意这里必须得改12倍**

void Delay\_OneWire(unsigned int t)

{

    unsigned int i=0;

    while(t--)

**{for(i=0;i<12;i++);}**

}

**//串口重定向(记得配置串口)**

char putchar (char c)

{

SBUF=c;

while(!TI);

TI=0;

return c;

}

unsigned int ceju(void)**//超声波测距**

{

    unsigned char a=10;

    unsigned int juli=0;

    Timer0Init();

    TX=0;//关闭发送脉冲

    while(a--)//发送十个脉冲

    {

        while(!TF0);//等待溢出

        TX=1;//开始发送脉冲

        TF0=0;//清零溢出标志位

    }

    TR0=0;//关闭定时器0

    TH0=0;//定时器0高位清零

    TL0=0;//定时器0低位清零

    TR0=1;//打开定时器0开始计时

    while(RX&&!TF0);

    if(TF0==1){juli=999;}

    else{juli=((TH0<<8)+TL0)\*0.017;}

    //声速340，来去两趟所以是0.017

    TR0=0;//关闭定时器0

    return juli;

}

**//定时器0的配置为**

**//12微秒@12.000MHz 12T模式**

**#define TX P10**

**#define RX P11**