

```
#include <30F2010.h>
```

```
//#FUSES HS           //High speed Osc (> 4mhz for PCM/PCH) (>10mhz for PCD)
```

```
#FUSES XT_PLL8
```

```
#Fuses NOWDT
```

```
#FUSES PR             //Primary Oscillator
```

```
#FUSES NOCKSFSM       //Clock Switching is disabled, fail Safe clock monitor is disabled
```

```
#FUSES WPSB16         //Watch Dog Timer PreScalar B 1:16
```

```
#FUSES WPSA512        //Watch Dog Timer PreScalar A 1:512
```

```
#FUSES PUT64          //Power On Reset Timer value 64ms
```

```
#FUSES NOBROWNOUT     //No brownout reset
```

```
#FUSES BORV47         //Brownout reset at 4.7V
```

```
#FUSES LPOL_HIGH      //Low-Side Transistors Polarity is Active-High (PWM 0,2,4 and 6)
```

```
//PWM module low side output pins have active high output polar
```

```
#FUSES HPOL_HIGH      //High-Side Transistors Polarity is Active-High (PWM 1,3,5 and 7)
```

```
//PWM module high side output pins have active high output polarity
```

```
#FUSES NOPWMPIN       //PWM outputs drive active state upon Reset
```

```
#FUSES MCLR           //Master Clear pin enabled
```

```
#FUSES NOPROTECT      //Code not protected from reading
```

```
#FUSES NOWRT          //Program memory not write protected
```

```
#FUSES NODEBUG        //No Debug mode for ICD
```

```
#FUSES NOCOE          //Device will reset into operational mode
```

```
#FUSES ICS0           //ICD communication channel 0
```

```
#FUSES RESERVED       //Used to set the reserved FUSE bits
```

```
#use delay(clock=8000000)
```

```
#use rs232(UART1,baud=9600,parity=N,bits=8,)
```

```
#priority EXT0,EXT2,TIMER1
```

```
int16 t1con;
```

```
#locate t1con=0x104
```

```
#bit t1on=t1con.15
```

```
int16 IEC1;
```

```
#locate iec0 = 0x08c
```

```
#bit t1ie = iec0.3
```

```
int16 trisb;
```

```
#locate trisb = 0x2c6
```

```
#bit trisb4 = trisb.4
```

```
#bit trisb5 = trisb.5
```

```
int16 portb;
```

```
#locate portb = 0x2c8
```

```
#bit b4 = portb.4
```

```
#bit b5 = portb.5
```

```
int16 trise;
```

```
#locate trise = 0x2d8
```

```
#bit trise0 = trise.0
```

```
#bit trise1 = trise.1
```

```
#bit trise8 = trise.8
```

```
int16 porte;
```

```
#locate porte = 0x2da
```

```
#bit e0 = porte.0
```

```
#bit e1 = porte.1
```

```
#bit e8 = porte.8
```

```
//-----pwm-----
```

```

#include <table3.c>

//-----

int8 k;

int32 t1;

int1 flg_int0,flg_int2;

int16 td,td1;

void triger(void);

#int_EXT0

void EXT0_isr(void)

{

    triger();

}

#int_EXT2

void EXT2_isr(void)

{

    flg_int2=1;

}

#use rs232(UART1,baud=9600,parity=N,bits=8)

void main()

{

    setup_spi(SPI_SS_DISABLED);

    setup_wdt(WDT_OFF);

    setup_timer1(TMR_EXTERNAL|TMR_DIV_BY_1);

    enable_interrupts(INT_EXT0);

    ext_int_edge( 0, L_TO_H);

    //disable_interrupts(INT_TIMER1);

```

```

enable_interrupts(INT_EXT2);

ext_int_edge( 2, L_TO_H);

enable_interrupts(INTR_GLOBAL );

set_timer1(0);

// TODO: USER CODE!!

trise0=trise1 =0; trise8=1;

b4=0;

b5=0;

e0=0;

e1=0;

t1ie =0;t1on=0;

flg_int0=0;flg_int2=0;

k=0;b4=0;

t1on=1;


while(true)

{


    if(flge_int2)

    { flg_int2=0;


        t1= get_timer1();set_timer1(0);

        if(t1> 150 && t1<=45000)

        {

            td=t1/450;

            if(td>99)td=90;

```

```
    }  
    if(t1>30000)  
    {  
        td=90;  
    }  
    td1=time1[td];  
}  
  
}  
  
}  
void triger(void)  
{  
    delay_us(td1);  
    e0=1;  
    b4=1;  
    delay_us(700);  
    e0=0;  
    b4=0;  
}
```