

02_lamp_887

;Lampeggiatore per display 7-segmenti anodo comune su PORTD
 ;Lampeggia anche un led su RB0
 ;oscillatore interno 4MHz / default

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List      P=PIC16F887
Include   "p16F887.inc"
ERRORLEVEL -302
__config 0x2007, 0x20E4 ;0010 0000 1110 0100
__config 0x2008, 0x3EFF ;0011 1110 1111 1111

COUNT_L EQU      0x20
COUNT_H EQU      0x21
ORG      0x00
BANKSEL  TRISD

                                ;osc interno 4MHz
                                ;Tutte uscite
MOVLW    0
MOVWF    TRISD
MOVLW    B'11111110'
MOVWF    TRISB
BCF      STATUS,RP0
                                ;Banco0
MOVLW    0xFF
MOVWF    COUNT_L
MOVWF    COUNT_H
                                ;Ricarica COUNT_L
                                ;Ricarica COUNT_H

MAINLOOP  MOVLW    0x00
MOVWF    PORTD
                                ;Accendo
BSF      PORTB, 0
CALL     DELAY
MOVLW    0xFF
MOVWF    PORTD
                                ;Spendo
BCF      PORTB, 0
CALL     DELAY
GOTO     MAINLOOP

DEL200MS  DECFSZ   COUNT_L,1
GOTO     DEL200MS
                                ;Decremento
MOVLW    0xFF
MOVWF    COUNT_L
DECFSZ   COUNT_H,1
GOTO     DEL200MS
                                ;Ricarica COUNT_L
                                ;Decremento
MOVLW    0xFF
MOVWF    COUNT_L
MOVWF    COUNT_H
                                ;Ricarica COUNT_L
                                ;Ricarica COUNT_H
RETURN

DELAY     CALL     DEL200MS
CALL     DEL200MS
CALL     DEL200MS
CALL     DEL200MS
CALL     DEL200MS
RETURN
END
  
```