

01_lamp_887

;Lampeggiatore per display 7-segmenti anodo comune su PORTD

;Lampeggia anche un led su RB0

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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   OSCCON
MOVLW     0x41      ;osc interno 1MHz
MOVWF     OSCCON
MOVLW     0         ;Tutte uscite
MOVWF     TRISD
MOVLW     B'11111110' ; RB0 uscita
MOVWF     TRISB
BCF       STATUS,RP0 ;Banco0
MOVLW     0xFF
MOVWF     COUNT_L   ;Ricarica COUNT_L
MOVWF     COUNT_H   ;Ricarica COUNT_H

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

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

DELAY     CALL     DEL200MS ;0,8 sec
RETURN
END

```