

12_blink_pot_AD_887

;Lampeggiatore a frequenza variabile tramite potenziometro
;allineamento a sinistra, ADFM=0
;Fosc = 4 MHz, ciclo macchina 1 µs
;dato su PORTD (display anodo comune) e PORTC (8 led catodo comune)

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

```
COUNT_LEQU      EQU      0X20
COUNT_H        EQU      0X21
TEMP_COUNT_L    EQU      0X22

ORG             0x00
GOTO            BEGIN

BEGIN           BSF       STATUS, RP0
                MOVLW     0X61
                MOVWF     OSCCON
                MOVLW     B'11111111'
                MOVWF     TRISA
                MOVLW     B'00000000'
                MOVWF     TRISD
                MOVWF     TRISC
                MOVLW     B'00000000'
                MOVWF     ADCON1
                BSF       STATUS, RP1
                MOVLW     B'00000010'
                MOVWF     ANSEL
                BCF       STATUS, RP0
                BCF       STATUS, RP1
                MOVLW     B'01000101'
                MOVWF     ADCON0

                MOVLW     0XFF
                MOVWF     COUNT_H

RIPETI          NOP
                NOP
                NOP
                NOP

CONVERSIONE     BSF       ADCON0, 1
                BTFSC     ADCON0, 1
                GOTO      CONVERSIONE
                MOVF      ADRESH, W
                MOVWF     TEMP_COUNT_L
                MOVWF     COUNT_L

                MOVLW     0x00
                MOVWF     PORTD
```

12_blink_pot_AD_887

```
MOVWF    PORTC
CALL     DELAY
MOVLW    0xFF
MOVWF    PORTD
MOVWF    PORTC
CALL     DELAY
GOTO     RIPETI
```

DELAY

```
DECFSZ   COUNT_L, 1
GOTO     DELAY
MOVF     ADRESH, W
MOVWF    COUNT_L
DECFSZ   COUNT_H, 1
GOTO     DELAY
MOVF     ADRESH, W
MOVWF    COUNT_L
MOVLW    0xFF
MOVWF    COUNT_H
RETURN
```

END