;File: pwm42w8.asm

; Author: Eckart Hartmann Date:17/10/2003

; Development progress: Pwm834.df

;

;PwmW8==========Write 8 bit:

;C Function prototype: char PwmW8(char cCh, char cValW, char cValC).

;Description of Function: Select mode and clock source and prescaler.

;User interface: Set parameter1 to 0 to write PWM?L or non zero to

; write PWM?H. Put the PWM0? value in parameter2 and the

; PWM1? value in parameter3. See Description

; for more details.

; Call PwmW8. If in 8 bit mode or mode 0, writes values and

; returns 1 else just returns 0.

;Robustness: Changes only become effective at the end of the current PWM

; cycle.

;Side effects: Overwrites a, P, c.

;

NAME PWMW8

$NOMOD51

$IC(..kei842.inc) ; Parameter passing registers for Keil .

$IC(..kei842.dat) ; SFR definition for Keil .

;

public \_PwmW8

?PR?\_PwmW8?PWMW8 SEGMENT CODE

RSEG ?PR?\_PwmW8?PWMW8

\_PwmW8: mov a,PWMCON ;If 8 bit mode

anl a,#070h

jz Pw8Do

cjne a,#20h,Pw8Q5

sjmp Pw8Do

Pw8Q5: cjne a,#50h,Pw8R0 ; {

Pw8Do: mov a,cP1l ; if(cCh==0)

jnz Pw8H ; {

mov PWM0L,cP2lc ; PWM0L = cP2lc;

mov PWM1L,cP3lcc ; PWM1L = cP3lcc; }

sjmp Pw8R1 ; else {

Pw8H: mov PWM0H,cP2lc ; PWM0H = cP2lc;

mov PWM1H,cP3lcc ; PWM1H = cP3lcc; }

Pw8R1: mov cP1l,#1 ; return 1;

sjmp Pw8R ; }

Pw8R0: mov cP1l,#0 ;else return 0;

Pw8R: ret

;

;Function End==========================================================Function End

END

;