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;; FILENAME: StopwatchTimer.inc

;; Version: 2.6, Updated on 2015/3/4 at 22:27:47

;; Generated by PSoC Designer 5.4.3191

;;

;; DESCRIPTION: Assembler declarations for the Timer16 user module interface

;;-----------------------------------------------------------------------------

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include "m8c.inc"

;--------------------------------------------------

; Constants for StopwatchTimer API's.

;--------------------------------------------------

StopwatchTimer\_CONTROL\_REG\_START\_BIT: equ 0x01 ; Control register start bit

StopwatchTimer\_INT\_REG: equ 0x0e1

StopwatchTimer\_INT\_MASK: equ 0x08

;--------------------------------------------------

; Constants for StopwatchTimer user defined values

;--------------------------------------------------

StopwatchTimer\_PERIOD: equ 0xccd

StopwatchTimer\_COMPARE\_VALUE: equ 0x0

;--------------------------------------------------

; Register Address Constants for StopwatchTimer

;--------------------------------------------------

StopwatchTimer\_COUNTER\_LSB\_REG: equ 0x28 ; DR0 Counter register

StopwatchTimer\_COUNTER\_MSB\_REG: equ 0x2c

StopwatchTimer\_PERIOD\_LSB\_REG: equ 0x29 ; DR1 Period register

StopwatchTimer\_PERIOD\_MSB\_REG: equ 0x2d

StopwatchTimer\_COMPARE\_LSB\_REG: equ 0x2a ; DR2 CompareValue register

StopwatchTimer\_COMPARE\_MSB\_REG: equ 0x2e

StopwatchTimer\_CONTROL\_LSB\_REG: equ 0x2b ; Control register

StopwatchTimer\_CONTROL\_MSB\_REG: equ 0x2f

StopwatchTimer\_FUNC\_LSB\_REG: equ 0x28 ; Function register

StopwatchTimer\_FUNC\_MSB\_REG: equ 0x2c

StopwatchTimer\_INPUT\_LSB\_REG: equ 0x29 ; Input register

StopwatchTimer\_INPUT\_MSB\_REG: equ 0x2d

StopwatchTimer\_OUTPUT\_LSB\_REG: equ 0x2a ; Output register

StopwatchTimer\_OUTPUT\_MSB\_REG: equ 0x2e

;--------------------------------------------------

; StopwatchTimer Macro 'Functions'

;--------------------------------------------------

macro StopwatchTimer\_Start\_M

or reg[StopwatchTimer\_CONTROL\_LSB\_REG], StopwatchTimer\_CONTROL\_REG\_START\_BIT

endm

macro StopwatchTimer\_Stop\_M

and reg[StopwatchTimer\_CONTROL\_LSB\_REG], ~StopwatchTimer\_CONTROL\_REG\_START\_BIT

endm

macro StopwatchTimer\_EnableInt\_M

M8C\_EnableIntMask StopwatchTimer\_INT\_REG, StopwatchTimer\_INT\_MASK

endm

macro StopwatchTimer\_DisableInt\_M

M8C\_DisableIntMask StopwatchTimer\_INT\_REG, StopwatchTimer\_INT\_MASK

endm

; end of file StopwatchTimer.inc