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;; FILENAME: PushButtonTimer.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 PushButtonTimer API's.

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

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

PushButtonTimer\_INT\_REG: equ 0x0e1

PushButtonTimer\_INT\_MASK: equ 0x02

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

; Constants for PushButtonTimer user defined values

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

PushButtonTimer\_PERIOD: equ 0xccd

PushButtonTimer\_COMPARE\_VALUE: equ 0x0

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

; Register Address Constants for PushButtonTimer

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

PushButtonTimer\_COUNTER\_LSB\_REG: equ 0x20 ; DR0 Counter register

PushButtonTimer\_COUNTER\_MSB\_REG: equ 0x24

PushButtonTimer\_PERIOD\_LSB\_REG: equ 0x21 ; DR1 Period register

PushButtonTimer\_PERIOD\_MSB\_REG: equ 0x25

PushButtonTimer\_COMPARE\_LSB\_REG: equ 0x22 ; DR2 CompareValue register

PushButtonTimer\_COMPARE\_MSB\_REG: equ 0x26

PushButtonTimer\_CONTROL\_LSB\_REG: equ 0x23 ; Control register

PushButtonTimer\_CONTROL\_MSB\_REG: equ 0x27

PushButtonTimer\_FUNC\_LSB\_REG: equ 0x20 ; Function register

PushButtonTimer\_FUNC\_MSB\_REG: equ 0x24

PushButtonTimer\_INPUT\_LSB\_REG: equ 0x21 ; Input register

PushButtonTimer\_INPUT\_MSB\_REG: equ 0x25

PushButtonTimer\_OUTPUT\_LSB\_REG: equ 0x22 ; Output register

PushButtonTimer\_OUTPUT\_MSB\_REG: equ 0x26

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

; PushButtonTimer Macro 'Functions'

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

macro PushButtonTimer\_Start\_M

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

endm

macro PushButtonTimer\_Stop\_M

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

endm

macro PushButtonTimer\_EnableInt\_M

M8C\_EnableIntMask PushButtonTimer\_INT\_REG, PushButtonTimer\_INT\_MASK

endm

macro PushButtonTimer\_DisableInt\_M

M8C\_DisableIntMask PushButtonTimer\_INT\_REG, PushButtonTimer\_INT\_MASK

endm

; end of file PushButtonTimer.inc