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;; FILENAME: LCD.inc

;; Version: 1.5, Updated on 2010/6/8 at 12:37:12

;; Generated by PSoC Designer 5.4.3191

;;

;; DESCRIPTION: Assembler declarations for the LCD user module interface.

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

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; LCD connections to PSoC port

;

; PX.0 ==> LCD D4

; PX.1 ==> LCD D5

; PX.2 ==> LCD D6

; PX.3 ==> LCD D7

; PX.4 ==> LCD E

; PX.5 ==> LCD RS

; PX.6 ==> LCD R/W

include "m8c.inc"

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

; Register Address Constants for LCD

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

LCD\_Port: equ PRT2DR

LCD\_PortMode0: equ PRT2DM0

LCD\_PortMode1: equ PRT2DM1

LCD\_BARGRAPH\_ENABLE: equ 0

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

; Constants for LCD

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; LCD commands

LCD\_DISP\_ON: equ 0Ch

LCD\_DISP\_OFF: equ 08h

LCD\_CURSOR\_ON: equ 0Eh

LCD\_CURSOR\_OFF: equ 0Ch

LCD\_CURSOR\_BLINK: equ 0Fh

LCD\_CURSOR\_WINK: equ 0Dh

LCD\_CURSOR\_SH\_LEFT: equ 10h

LCD\_CURSOR\_SH\_RIGHT: equ 14h

LCD\_CURSOR\_HOME: equ 02h

LCD\_CURSOR\_LEFT: equ 04h

LCD\_CURSOR\_RIGHT: equ 06h

LCD\_DISP\_CLEAR\_HOME: equ 01h

LCD\_SOLID\_BG: equ 00h

LCD\_LINE\_BG: equ 01h

LCD\_PORT\_MASK: equ 7Fh

ICE\_PORT\_SYNC: equ 0 ; This flag must be set to one to work around

; the async read issue with the ICE with the

; 25/26xxx family of devices. It will help

; to eliminate "Invalid memory reference" errors.

; It is not required when running without the ICE

; or when using any other family besides the

; 25/26xxx family. If not using the ICE, this flag

; may be set to 0.

; end of file LCD.inc