

CE2811 REQUIRED DEVICE DRIVER APIs

NIOS TIMERS	COMMENTS
void nios_timer0_delay(const int delayCounts)	Delay the specified timer counts.
void nios_timer0_us(const int us)	Delay the specified microseconds.
void nios_timer0_ms(const int ms)	Delay the specified milliseconds.
void nios_timer0_ms(const int s)	Delay the specified seconds.
void nios_timer1_delay(const int delayCounts)	Delay the specified timer counts.
void nios_timer1_us(const int us)	Delay the specified microseconds.
void nios_timer1_ms(const int ms)	Delay the specified milliseconds.
void nios_timer1_ms(const int s)	Delay the specified seconds.
void nios_timer2_delay(const int delayCounts)	Delay the specified timer counts.
void nios_timer2_us(const int us)	Delay the specified microseconds.
void nios_timer2_ms(const int ms)	Delay the specified milliseconds.
void nios_timer2_ms(const int s)	Delay the specified seconds.
void nios_timer2_period(const int freq)	Delay the period of specified frequency.

NIOS LCD PANEL	COMMENTS
void nios_lcd_init(void)	• Turns the LCD on. • Performs all necessary initialization. • Homes the cursor. • Disable cursor blinking. • Set auto-increment cursor. • Set data length. • Set font size.
void nios_lcd_clear(void)	• Clears the LCD panel. • Returns cursor to row 0 , column 0.
void nios_lcd_home(void)	• Does not clear LCD panel. • Returns cursor to row 0, column 0.
void nios_lcd_gotoxy(const int x, const int y)	• Does not clear LCD panel. • Moves cursor to row 0, column 0.
void nios_lcd_putchar(char c)	• Prints character at current cursor
void nios_lcd_printstring(const char *s)	• Prints the string s to the display
void nios_lcd_command(unsigned int cmd)	• Writes the command to the LCD. • Manipulates LCD signals E, RW, RS • Delays appropriate inter-cmd time
void nios_lcd_blink(void)	• Enables cursor blinking
void nios_lcd_noblink(void)	• Disables cursor blinking

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NIOS SOUND	COMMENTS
void play(unsigned int freq, unsigned int ms)	• Plays tone for specified ms
void play1s(unsigned int freq)	• Plays tone for one second