## PIC32MX250F128B MPLABX XC32 Harmony []]]]]]]

## PIC32MX250F128B MPLABX XC32 Harmony DDDDDDDD- TimerDDD -

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LED\_\_\_\_RB15\_\_\_\_

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Generete

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## PIC32MX250F128B MPLABX XC32 Harmony []]]]]]]- Interrupt

### PIC32MX250F128B MPLABX XC32 Harmony

PIC32MX250F128B MPLABX XC32 Harmony [PIC32MX250F128B MPLABX XC32 Harmony [][][][][][][][][][]]] □PIC32MX250F128B MPLABX XC32 Harmony □□□□□□□- Timer□□□ -□

×  $\Box\Box(2017/09/24)$ 000004kHz00000  $20000000 \div 256 \div 7800 = 10$ Hz ×

Using Harmony Static Drivers to Control Timers ×

× 20000000 / 64 / 78 = 4006Hz

\_\_\_\_system interrupt.c\_\_\_\_\_\_

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## Harmony Configurator[]])

#### $\Box\Box$

MPLAB X IDE v3.30

MPLAB XC32 v1.40

MPLAB Harmony 1.08

MPLAB Harmony Configurator 1.0.8.7

PICkit3

PIC32MX250F128B

SK1632 Tutorial, and Introduction to MPLAB's Harmony(\_\_\_\_\_\_\_\_

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MPLAB X IDE 
 Harmony 
 DODDDD

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×
nnnnnnnn[Finish]nnnnnnn
_____ Project Name __________
×
[MPLAB Harmony Configurator]
×
[MPLAB Harmony Configurator] [[Options] []]
×
MPLAB Harmony & Application Configuration > Harmony Framework
Configuration > Drivers > Timer
×
20000000 / 2 / 256 / 78 = 500Hz
MPLAB Harmony & Application Configuration > Harmony Framework
Configuration > System Services > Clock
×
[Clock Diagram]
×
ODOPin SettingsOOOOOOOOOOOOO
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#inclide <p32xxxx.h>

 $\square\square\square\square\square\square\square\square\square500ms\square2Hz\square\square\square\square\square\square$ 

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<pre>DPIC32MX250F128B</pre>	MPLABX	XC32	Harmony	000000000000000000000000000000000000000	
<pre>DPIC32MX250F128B</pre>	MPLABX	XC32	Harmony	- 00000000 -	Interrupt –□
□PIC32MX250F128B	MPLABX	XC32	Harmony	- 00000000 -	Timer[][] —[]

## PIC32MX SYSTEMConfigPerformance();

#pragma config FNOSC = FRCPLL // Oscillator Selection Bits
(Fast RC Osc with PLL)

#### □□□□PLL□□□□□□FRCPLL□□□□□□ 8MHz□□□□□□□□□□□□□4MHz□□□□□□□□□FRCDIV□□□□□ ×

#pragma config FPLLIDIV = DIV\_2 // PLL Input Divider (2x
Divider)

#pragma config FPLLMUL = MUL\_20 // PLL Multiplier (20x
Multiplier)

OSCCON [crayon-6717490cb51c4190744605/] × 80MHz00000000 Instruction Frequency × 000LED0000000000011.5ms0000087Hz0000 × #include SYSTEMConfigPerformance(8000000L);

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#### 38.36Hz000000005.48Hz000000

SYSTEMConfigPerformance() is a very helpful library function used to easily optimize the performance of the PIC32. You provide the system (instruction) clock frequency and this function will do the rest. It will perform the following tasks for you: Enable instruction and data caching Enable instruction prefetch Configure the Flash and SRAM for minimum wait states Maximize the peripheral bus clock frequency

## **PIC32MX470F512H-I/PT**



C: ¥Program

Files

(x86)\Microchip¥xc32¥v1.31¥examples¥plib\_examples¥timer
\_\_\_\_\_ timer1\_int \_\_\_\_\_\_ Build \_\_\_\_\_\_\_

The PLIB functions and macros in this file will be removed from the MPLAB XC32 C/C++ Compiler in future releases

#include <plib.h>

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**RD0**\_\_\_\_L**ED**\_\_\_\_\_Configuration Word \_\_\_\_\_\_\_L

[crayon-6717490cb5681540721488/]

[crayon-6717490cb5688441112219/]

## PIC32MX470F512H-I/PT led\_message

Microchip¥xc32¥v1.31¥examples¥xc32\_examples¥led\_message

Run this example on Explorer-16 board with PIC32MX PIM. Hold the board vertically from the PICtail connector size and wave the board back-and-forth to see message "HELLO" on LEDs

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00000 HELLO 0000000

## PIC32MX470F512H-I/PT + 0.5mm[] \_QFP(64\_\_\_)\_\_\_\_ \_\_\_\_

□□□□□□□□ PIC32MX470F512H-I/PT + 0.5mm□□□QFP(64□□)□□□□ □□□□□□□
□□
□□

DMM\_\_PIN\_\_\_\_\_\_ PICkit 3 Programmer \_\_\_\_PICkit 3 \_\_\_\_\_MPLAB PIE\_\_\_\_\_ \_\_\_\_

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USBDDDDDDDDVUSB3V3DVDDDDDDDDDDD

VCAP

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#### <u>2014/08/13</u>

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VUSB3V30000000

□□ 2014/08/14

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# **PIC32MX470F512H-I/PT L**

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 $\Box\Box$ 

Microchip¥xc32¥v1.31¥examples¥plib\_examples¥timer¥timer1\_int Microchip¥xc32¥v1.31¥examples¥xc32\_examples¥led\_message

Microchip¥xc32¥v1.31¥examples¥xc32\_examples \_\_\_\_\_\_\_\_\_

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### PIC32MX220F032B + MPLAB IPEv2.15

PICkit 3 Programmer DDD PIC32MX470F512H DDDDDDDDD MPLAB 00000 v2.15 00

Target device was not found. You must connect to a target device to use PICkit 3. × Setting  $\square \square$  Advanced Mode  $\square \square \square \square \square$ × Password [] microchip [] Remember Password [] [] Log on [] × Power 
 Oppopping
 Power Target Circuit from Tool
 Oppopping × Target detected 00000 Verify 00000000000 × × NUMBER NOT THE CONTRACT OF THE PICKIE 3 Programmer NOT THE CONTRACTOR OF THE PICKIE 3 Programmer NOT THE PICKIES AND THE PICKI 

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