How to modify the source code for various frequencies with MPLAB + HI-TECH C PRO

YO4HFU – 2011

MPLAB IDE v8.53

File Edit View Project Debugger Programmer Tools Configure Window Help

Project Wizard

Step Two:
Select a language toolsuite

Active Toolsuite: HI-TECH Universal ToolSuite

Toolsuite Contents

HI-TECH ANSI C Compiler

Location

C:\Program Files\HI-TECH Software\PICC\PRO\9.60\bin\picc.exe   Browse...

☐ Store tool locations in project

Help! My Suite Isn't Listed!   ☐ Show all installed toolsuites

< Back   Next >   Cancel   Help

Project Wizard

Step Three:
Create a new project, or reconfigure the active project?

◉ Create New Project File

[   ]   Browse...

○ Reconfigure Active Project

○ Make changes without saving

○ Save changes to existing project file

○ Save changes to another project file

[   ]   Browse...

< Back   Next >   Cancel   Help

Checksum: 0x19ff

Save Project As

Save in: 📁 PLL LMX2324

File name: PLL _2055MHZ   Save

Save as type: MPLAB IDE Project Files (*.mcp)   Cancel

Jump to: C:\Documents and Settings\YO4HFU\Desk

Project Wizard

Step Four:
Add existing files to your project

- Desktop
  - carti
  - HI-TECH Universal
  - jump2.cgi_files
  - LMX_PLL
  - mplab tutorial
  - New Folder
  - PLL LMX2324
  - rob_prj
  - trasee
  - 174344620.jpg
  - All Office Converter

[Add >>]
[Remove]

[< Back] [Next >] [Cancel] [Help]

Project Wizard

MICROCHIP MPLAB® IDE ®

Summary

Click `Finish' to create/configure the project with these parameters.

Project Parameters

Device: PIC16F628A

Toolsuite: HI-TECH Universal ToolSuite

File: C:\Documents and
            Settings\YO4HFU\Desktop\PLL
            LMX2324\PLL _2055MHZ.mcp

A new workspace will be created, and the new project added to that workspace.

[< Back] [Finish] [Cancel] [Help]

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Debug   Checksum: 0x19ff

PLL _2055MHZ.mcw

- PLL _2055MHZ.mcp*
  - Source Files
    - microwire.c
  - Header Files
    - microwire.h
  - Object Files
  - Library Files
  - Other Files

Files   Symbols

C:\...\microwire.h

```
#ifndef __MICROWIRE_H
#define __MICROWIRE_H

//last modified: 3:30 PM 1/22/2011

////////////////////////////////////////////////////
//   LMX2324
////////////////////////////////////////////////////
//     -=  111111111111111111  =-
//         17..............0
```

Insert R, N values for your frequency

```
#define N_REG    (unsigned long int) 0x54118
#define R_REG    (unsigned long int) 0x29083
////////////////////////////////////////////////////




#ifndef _XTAL_FREQ
// Unless specified elsewhere, 4MHz system frequency is assumed
#define _XTAL_FREQ 4000000
#endif
```

File   Edit   View   Project   Debugger   Programmer   Tools   Confi

PLL _2055

- PLL _2
  - Sou
  - Hea
  - Obj
  - Libr
  - Oth

Files

Project menu	
Project Wizard...	
New...	
Open...	
Close	▶
Set Active Project	▶
Quickbuild (no .asm file)	
Package in .zip	
Clean	
Build	**F10**
Rebuild	Ctrl+F10
HI-TECH C Manual	F11
Build Configuration	▶
Build Options...	▶
Save Project	
Save Project As...	
Add Files to Project...	
Add New File to Project...	
Remove File From Project	▶
Select Language Toolsuite...	
Set Language Tool Locations...	
Version Control...	