How build the Hex File for PIC16F628A PLL Controller Pastorcici Robert – 2013 (LMX2324)



Step 2: Select PIC16F628A



Step 3: Select Hi-Tech Compiler

File Edit View Project Debugger Programmer Tools Configure Window Help
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Project Wizard 🛛 🔀
Step Two: Select a language toolsuite
Active Toolsuite: HI-TECH Universal ToolSuite
HI-TECH ANSI C Compiler
Location
C:\Program Files\HI-TECH Software\PICC\9.70\bin\picc.exe Browse
Store tool locations in project
Help! My Suite Isn't Listed!
< Back Next > Cancel Help

Step 4: Choose the Location for Project

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File Edit View Project Debugger Programmer Tools Configure Windo	ow Help
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Project Wizard	
Step Three: Create a new project, or reconfigure the active project?	<u>چ</u> ر
Create New Project File	
C:\Documents and Settings\Y04HFU\Desktop\LMX2324\PLL LM	Browse
Reconfigure Active Project Make changes without saving Save changes to evicting project file	
Save changes to existing project file Construct of the construction of the co	
	Browse
< Back Next > Cancel	Help

Step 5: Click NEXT



Open Source Files (.c)



Open Header Files (.h)

The N & R Values need to be changed depending on frequency and the reference oscillator.



Open Code Loader 4, select LMX2324

Port Setup	LMX1501	BurstMode	PLL
Communication Mode C USB C LP LPT Port Setup Port Address C LPT 2 C LPT3 C Dth	LMX1501 LMX1511 LMX2301 LMX2305 LMX2306 LMX2310 LMX2311	pad Every 10 sec	LPT Port Setup Diagram Clock Other Pins Data Ground LE (Latch Enable) Address Confi
Pin Configuration Clock Bit C 1 C 2 C 3 C 4 C 5 C 6 C : Data Bit C 1 C 2 C 2 C 4 C 5 C 6 C :	LMX2312 LMX2313 LMX2315 LMX2316 LMX2320 LMX2320 LMX2323		10/14 Pin Connector (Top View)
LE Bit C 1 C 2 C 3 C 4 C 5 • 6 C 3 CE C1 C 2 C 3 C 4 C 5 C 6 C 3	LMX2325 LMX2325 LMX2326 LMX2346 LMX2347	11 C 12 C 14	
EN_RFout* C1C2C3C4C5C6 © ;	C 8 C 10	C 11 C 12 C 14	DB 25 Connector
	C 8 C 10	C 11 C 12 C 14	

Choose VCO Frequency, Reference Oscillator, Phase Detector Input Frequency, Polarity (Negative for Inverted O.A. Loop Filter) / Positive for Passive RC Loop Filter, Active Output - Normal Operation / Tri-State - TEST MODE



Here is the binary word for N & R registers.



Carefully Copy the new values from Code Loader to Header File

Congratulations...Now build the HEX File ©



Open the Project folder, here you have the Hex File. The uC must be programmed with this file.



73's de YO4HFU