





BK	MPLAB
•	MPLAB IDE DESKTOP
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	Unititled Workspace Image: Control Find in Files Build Version Control Find in Files Files *? Symbols PIC24H0128GP504
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How to use

All projects will have these basic steps:

- 1. Select Device Chọn thiết bị
- 2. Create Project Tạo dự án
- 3. Select Language Tools Chọn ngôn ngữ
- 4. Put Files in Project Đặt file vào dự án
- 5. Create Code Tạo mã chương trình
- 6. Build Project Xây dựng dự án
- Test Code with Simulator Kiểm tra mã với phần mềm mô phỏng

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BK	1. Select Device	
Choose (Configure>Select Device.	
C SN	Select Device Device: Device Family: PIC18F8722 ALL	
	Microchip Tool Support Programmers PICSTART Plus MPLAB REAL ICE PICkit 1 PRO MATE II MPLAB ICD 2 PICkit 2 VMLAB PM3 MPLAB ICD 3 PICkit 3	
	Language and Design Tools ASSEMBLER COMPILER VDI V3.90 V2.40	
	MPLAB SIM MPLAB ICD 2 PICkit 2 MPLAB REALICE MPLAB ICD 3 PICkit 3 MPLAB ICE 2000 MPLAB ICE 4000 ICE/ICD Headers PCM18XS0 PCM18XS1 PCM18XS2	
Bộ môn Kỹ Thuật Điệ	OK Cancel Help	6

BK			2. Create Project
	MPL/	AB IDE	v6.40
up	File Edit	: View	Project Debugger Programmer Tools Configure Window Project Wizard
hionLink ronize diary	Unt	itled	New Open Close Set Active Projec Quickbuild (no .a: Clean Build Options Find in Project Fil
7			Save Project To continue, click Next. Cancel Help



3. Select Langu Project Wizard Step Two: Substal Resugner torbride	age Tools
Active Toolsuite: Microchip MPASM Toolsuite MPASM Assembler (mpasmwin exe) MPLINK Diject Linker (mplink.exe) Location C:VProgram Files/MPLAB IDE:/MCHIP_Tools/mpasmwin.exe HelpI My Suite Isn't Listed Kow all installed toolsuites Kow all installed toolsuites	you should select the assembler tools (We do not provide basic)
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BK
Name your project
Project Wizard
Step Three: Create a new project, or reconfigure the active project?
Create New Project File C:\Projects\MyProject.mcp Browse
C Reconfigure Active Project
Wake charges without saving Save changes to existing project file Save changes to another project file
Browse
<pre></pre>
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5. Cr 5. Cr NyProject.mcw Source Files Build Options Build Options Bui	eate Code (Vorgets/UFF722TMPLASM (This file is a basic template for creating relocatable assembly add to it as needed. Create a project with MPLINK as the langua for the host file. Add this file and the 197722. LNG file to the add to it as needed. Create a project with MPLINK as the langua for the host file. Add this file and the 197722. LNG file to the template code is written for priority interrupt levels and the template code is written for priority interrupt levels and the b used and the WAG_TEMP, BSB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, BSB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, SB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, SB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, BSB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, BSB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, BSB_TEMP and STATUS_TEMP variables b used and the WAG_TEMP, SB_TEMP and STATUS_TEMP v
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	nan

5. Cre	eate Code – Add variables				
C:(Proje					
49					
51	. These veriables are only needed if low priority interrupts are us				
 51 ; These variables are only needed if low priority interrupts are us 52 : More variables may be needed to store other special function region 					
52 ; More variables may be needed to store other special function regi 53 ; in the interrupt routines.					
53 ; in the interrupt routines. 54					
55 UDATA					
56					
57	WREG_TEMP RES 1 ;variable in RAM for context saving				
58	STATUS_TEMP RES 1 ;variable in RAM for context saving				
59	BSR_TEMP RES 1 ;variable in RAM for context saving				
60					
61	UDATA_ACS				
62					
63	EXAMPLE RES 1 ; example of a variable in access RAM				
65	COUNT DES l counter				
66	DVAR BES 1 :inner loon count				
67	DVAR2 RES 1 ;outer loop count				
68	······				
69	;**************************************				
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	Add to project			
File Edt View File Edt View Edefine E Sdefine I Sdefine I	0 - [Y: Leaching Lassembler \db.asm] Project Debugger Project Wizard New Open Close > Set Active Project > Quidbuild (no.asm file) Alt+F10 Clean Build All Build Options F10 Build Options > Find in Project Files Save Project. Remove File From Project > Select Language Tool Locations Set Language Tool Locations	 Once the file is saved you can add it to your project 		









7. Test Code with Simulator			
• Select <i>Debugger>Step Into to single step to the code</i> at Main.			
C:\Projects\18F8722TMPOLASM			
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7. Test Code with Simulator	
Watch Image: Madd Symbol BSR EMF Add SFR PORTC Add Symbol BSR EMF Update Address BSR TEMP Image: Maddress OUNT O F82 DVAR EXAMPLE EXAMPLE Watch 1 Watch 2 Watch 1 Watch 3 Watch - select variable "count"	
Watch X Add SFR PORTC Add Symbol COUNT Image: Count and the symbol Update Address Symbol Name Value F82 PORTC 0x00 0x00 001 COUNT 0x00 Watch1 Watch2 Watch4 Watch - reset values	
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