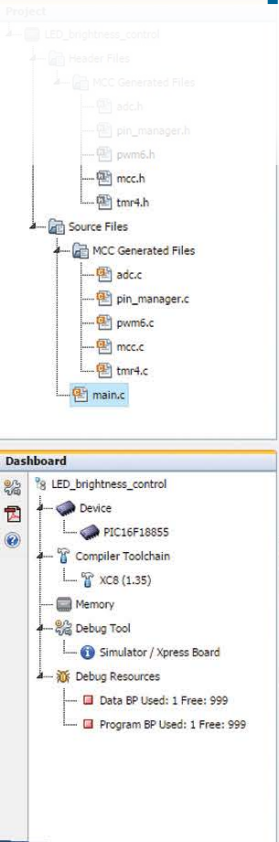
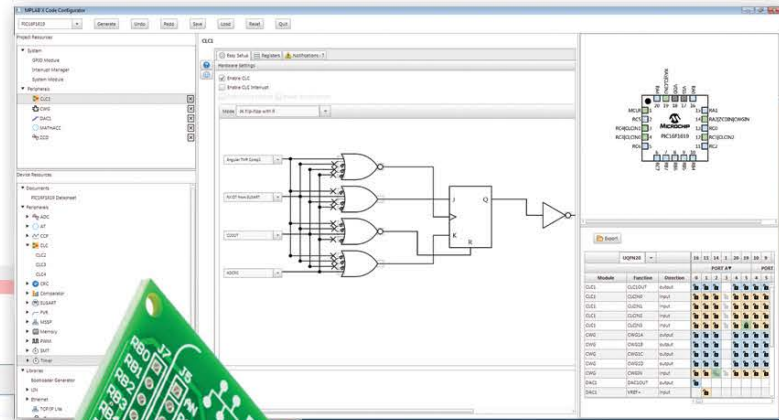


Microchip Launches Free, Cloud-based Development Platform for PIC® MCUs

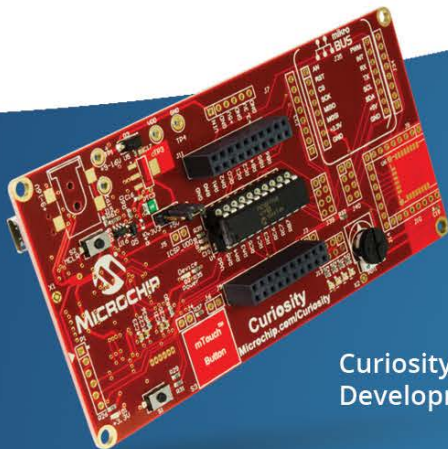


```
51
52 void main(void)
53 {
54     // initialize the device
55     SYSTEM_Initialize();
56
57     // When using interrupts, you need to set the Global and Peripheral Interrupt Enable bits
58     // Use the following macros to:
59
60     // Enable the Global Interrupts
61     //INTERRUPT_GlobalInterruptEnable();
62
63     // Enable the Peripheral Interrupts
64     //INTERRUPT_PeripheralInterruptEnable();
65
66     // Disable the Global Interrupts
67     //INTERRUPT_GlobalInterruptDisable();
68
69     // Disable the Peripheral Interrupts
70     //INTERRUPT_PeripheralInterruptDisable();
71
72     while (1)
73     {
74         // Add your application code
75         adc_result_t per_val = ADC_GetConversion(channel_AIN4);
76         PWM6_LoadDutyValue(per_val);
77     }
78 }
79 /**
80 End of File
81 */
```

Output	Watches	Variables	SFRs
Name	Type	Address	
CLC2GL50			
per_val			
per_val			
<Enter new watch>			



Pickit™ 3



Curiosity Development Board



MPLAB® Xpress Evaluation Board





MPLAB[®] Xpress

Cloud Based Development Platform

The easiest way to get started with PIC[®] MCUs...

Industry's most comprehensive online development platform includes

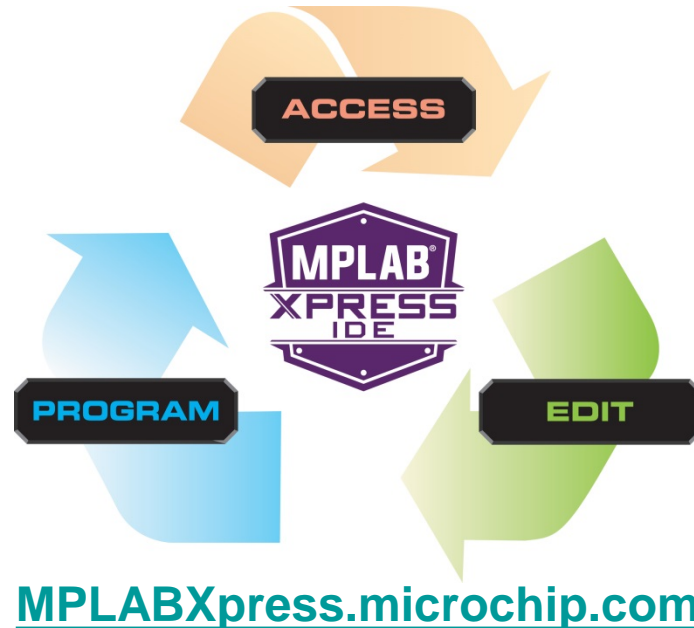
- Most popular features of the award winning MPLAB X IDE
- MPLAB Code Configurator 3.0 – GUI based code generation, not available on any other cloud based tool
- Library of Microchip-validated code examples to get you started
- Integrated MPLAB XC compilers
- MPLAB Xpress Community enables developers to share code, design ideas, and knowledge
- Support for Microchip's most popular hardware tools – PICkit[™] 3 and Curiosity Development Board

Free MPLAB Xpress Evaluation Board... Limited Quantities Available

MPLABXpress.microchip.com

Get started in 3 easy steps with Test Drive mode

1. **Access** Microchip validated Code Examples (*no sign-in*)
2. **Edit** your code; simulate, and compile...
3. **Program** the MPLAB Xpress Evaluation Board



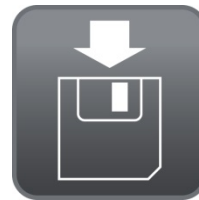


MPLAB[®] Xpress

Additional Features with Free Account

Login with your **FREE myMicrochip account**, and

- **Set up** your MCU with MPLAB Code Configurator
- **Debug** with additional hardware tools
- **Get** 10GB of secure online storage
- **Save** your code in the cloud and access it anywhere
- **Participate** in the MPLAB Xpress Community



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MPLAB[®] Code Configurator

Get Started Quickly with MCC version 3.0

Generate code in MPLAB Xpress with a few clicks

- Intuitive Interface for Quick Start Development
- Automated Configuration of Peripherals & Functions
 - Minimized reliance upon product datasheet
 - Reduces overall design effort & time
- Advanced data logging for quick issue resolution
- From Novice to Expert...
 - Accelerates development of production ready code

Microchip.com/MCC



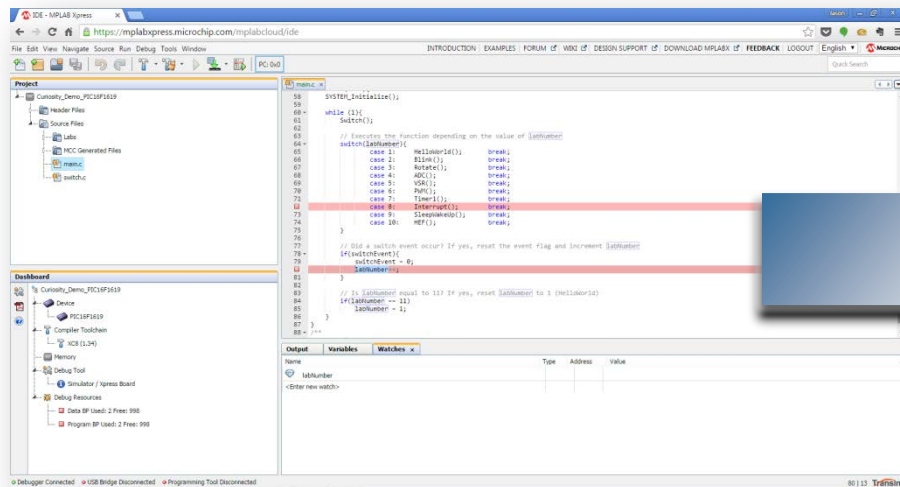


Easy Migration to MPLAB® X

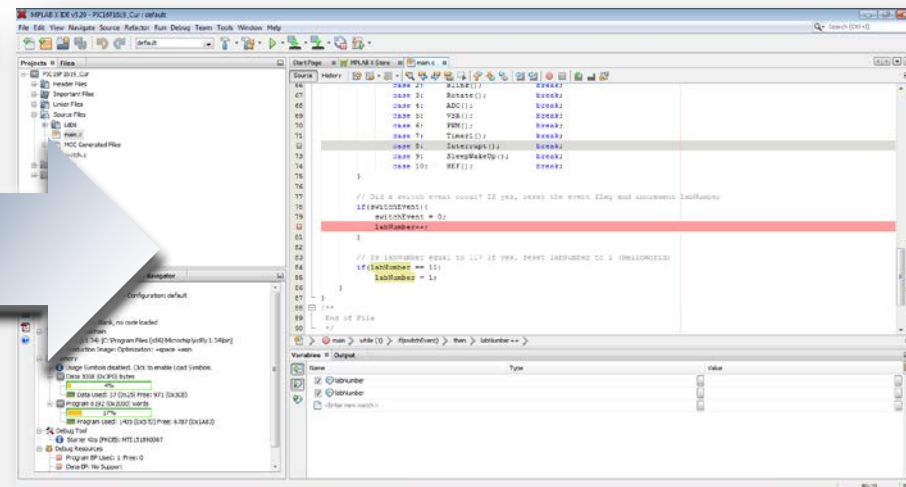
Enjoy full project compatibility with MPLAB X

Advanced development features in MPLAB X include:

- Code templates for fast editing of common code frameworks
- Advanced debugging features
- Ability to track code change history
- Command line tools for programming and debugging



MPLAB Xpress



MPLAB X

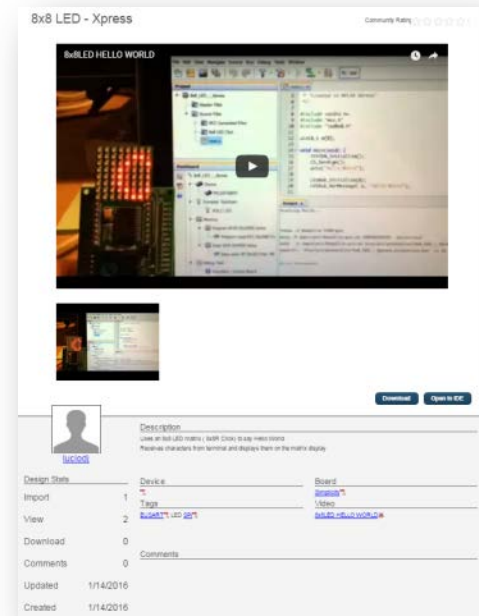
Download Microchip-validated code examples

- Function-oriented firmware for latest PIC[®] Microcontrollers
 - Analog setup, memory management, interrupt control
- Core Independent Peripheral Examples
 - Configurable Logic Cell, Complementary Waveform Generator, PWM, Angular Timer, and more...
- Tested and certified by Microchip

MPLAB Xpress Code Examples

All Designs

Title	Author	Rating	Imports	Tags	Board	Device	Open
Term		From	From	<input type="checkbox"/> AC Induction Motors <input type="checkbox"/> ADC <input type="checkbox"/> ADC	<input type="checkbox"/> Curiosity <input type="checkbox"/> Not Selected <input type="checkbox"/> Simplicity	Term	
8x8 LED - Xpress			1	EUSART, LED, SPI	Simplicity	PIC16F18855	Open
OLED-Xpress		0	0	EUSART, Graphi...	Simplicity	PIC16F18855	Open
Hello World - Xpress		1	0	EUSART	Simplicity	PIC16F18855	Open
LED on-off using pushbutton		10	0		Simplicity	PIC16F18855	Open
Breathing LED for Xpress		18	0		Simplicity	PIC16F18855	Open





MPLAB[®] XC Compilers

Access FREE MPLAB XC compilers

- Use the latest compiler version or select from the archive
 - MPLAB Xpress archives up to 10 revisions
- Preview PRO code optimizations
 - Automatically compares code sizes between Free and PRO
 - MPLAB XC PRO available via monthly subscription
- XC8 compiler available now
 - XC16 and XC32 support planned for mid 2016



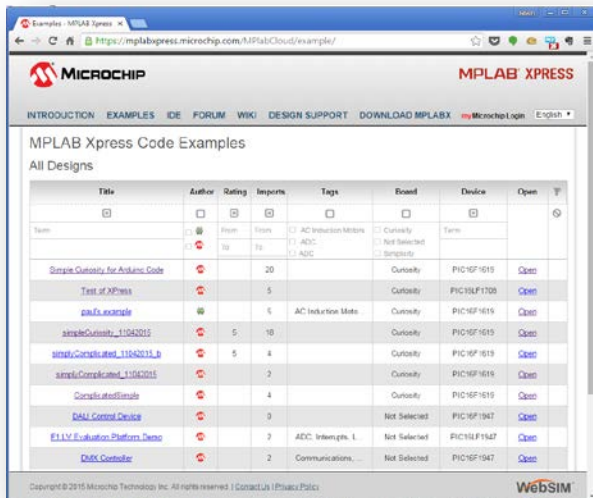
Join the MPLAB® Xpress User Community

Share projects using the “Examples” section

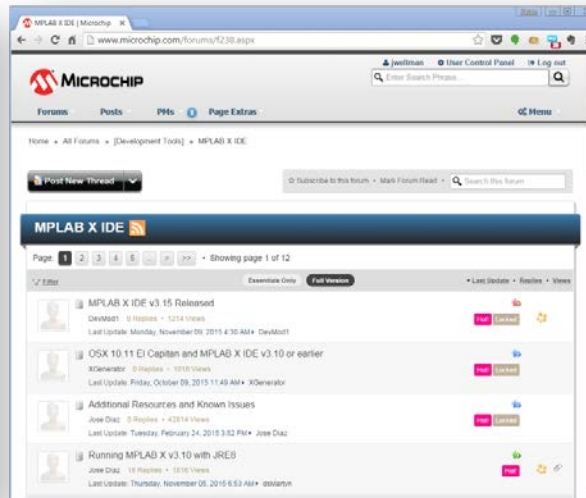
Search by Contributor, Application, Function, Device, Hardware

Discuss ideas on the MPLAB Xpress Forum

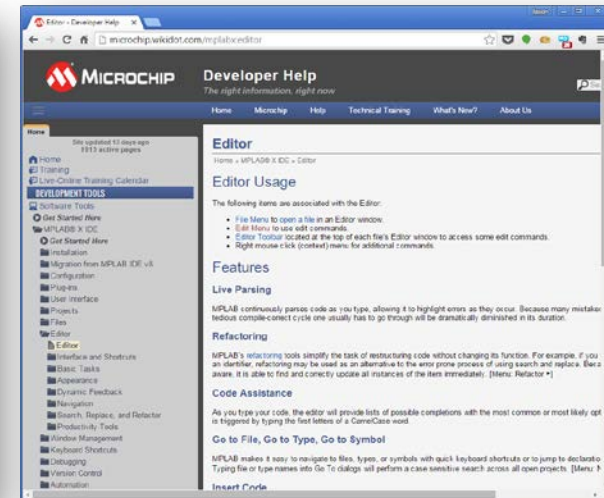
Learn how to optimize designs on the MPLAB Xpress Wiki



Examples



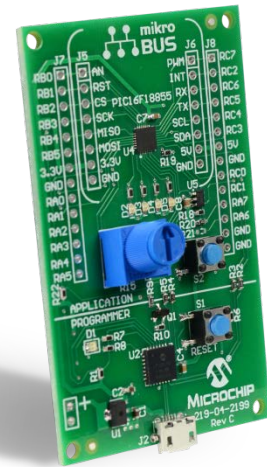
Forum



Wiki

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- **Simple USB programming interface**
 - Plug and play, driver free
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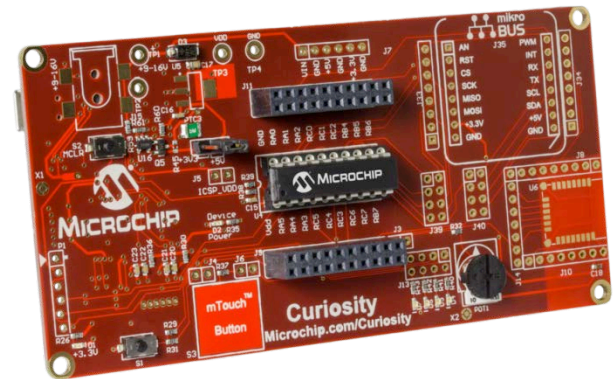
MPLAB[®] Xpress Evaluation Board

Free Evaluation Board – For the first 2000 customers to register at
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Use our most popular development tools

Curiosity Development Board

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 - On-board MikroBUS header
 - RN4020 Bluetooth module footprint
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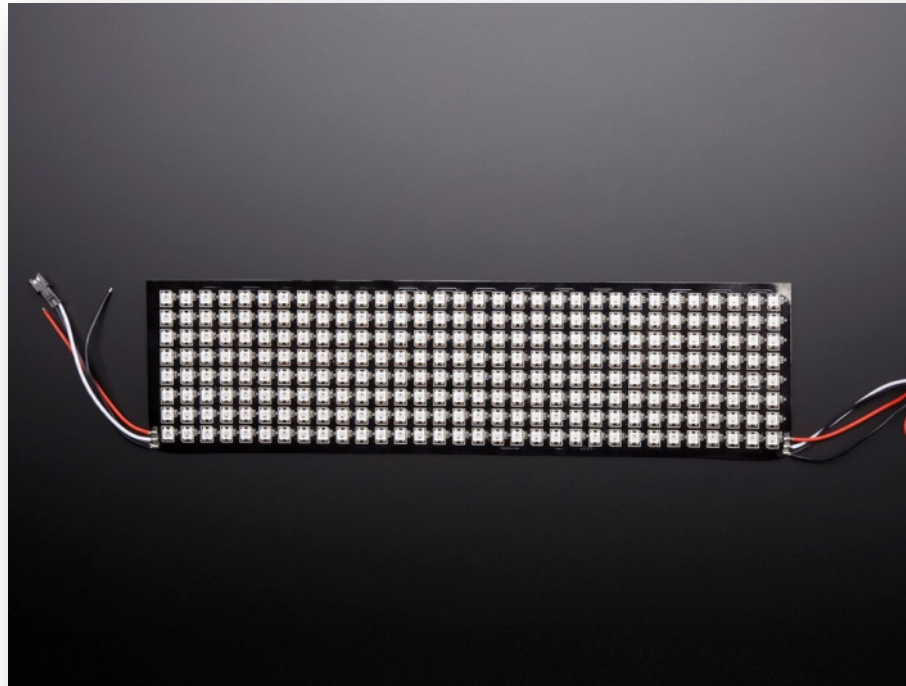
PICkit™ 3 Programmer/Debugger

- Our most popular development tool
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- **PG164130** - \$47.95



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- Core Independent Peripherals on PIC16F18855 MCU enable code-free implementation



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