Release Notes for MPLAB® Code Configurator Library USB Framework Lite v1.25

1 What is MPLAB Code Configurator Library USB Framework Lite

The USB Framework Lite Library for Microchips MPLAB® X Code Configurator allows easy access to the USB hardware peripheral available on Microchip microcontrollers. Supported Device classes are a subset of the possible device classes provided by the Microchip Libraries for Applications (MLA). This tool provides a simplified user experience for adding and lightly customizing USB applications for new or existing products.

2 System Requirements

- MPLAB® X IDE **3.45** or later
- XC8 Compiler **v1.38** or later
- XC16 Compiler **v1.30** or later
- XC32 Compiler **v1.42** or later
- MCC Version **3.26.1** or later
- **pic10-pic12-pic16-pic18_v1.26.1.jar** or later
- **pic24-dspic-pic32mm_v1.25.jar** or later

3 Documentation Support

For more information regarding USB stack code, or to view more of Microchips existing USB software solutions please visit the Microchip Libraries for Applications web site here:
http://www.microchip.com/mplab/microchip-libraries-for-applications

4 Installing MPLAB® Code Configurator USB Framework Lite

Basic steps for installing MPLAB® Code Configurator needs to be installed as below.

To install the MPLAB® Code Configurator V3.26 Plugin:

1. In the MPLAB® X IDE, select **Plugins** from the Tools menu
2. Select the **Available Plugins** tab
3. Check the box for the MPLAB® Code Configurator v3, and click on **Install**

To install the MCC USB Framework Lite 1.25:

1. Download **usbFrameworkLite_v1.25.jar** from microchip website.
2. In the MPLAB® X IDE, select **Options** from the **Tools** menu
3. Select **MPLAB® Code Configurator v3.x** tab from **Plugins** option
4. Click on **Add Library**
5. Add **usbFrameworkLite_v1.25.jar**
6. Restart MPLAB® X IDE

To load different peripheral library version

1. Open MPLAB® Code Configurator v3 from the Tools menu
2. In Versions tab under USB Framework Lite you will find multiple library versions (loaded version is indicated by the green dot)
3. Right Click on the required version of the library and select Mark for load
4. Click on Load Selected Libraries button to load the library

To install the MCC pic24-dspic-pic32mm_v1.25.jar or pic10-pic12-pic16-pic18_v1.26.1.jar:

1. Download **pic24-dspic-pic32mm_v1.25.jar** or **pic10-pic12-pic16-pic18_v1.26.1.jar** from microchip website.
2. In the MPLAB® X IDE, select **Options** from the **Tools** menu
3. Select **MPLAB® Code Configurator v3.x** tab from **Plugins** option
4. Click on **Add Library**
5. Add **pic24-dspic-pic32mm_v1.25.jar** or **pic10-pic12-pic16-pic18_v1.26.1.jar**
6. Restart MPLAB® X IDE

5. What's New

- USB Device and Host Support for PIC32MM0256GPM064 family of devices

6. Repairs and Enhancements

#	ID	Description	Device(s)
	MCCV3XX-4786	Code can't compile for PIC24FJ64GB002	PIC24FJ64GB004 Family
	MCCV3XX-5047	USB CDC with MCC not working due to missing dual-port RAM allocation	PIC18F45K50 Family
	MCCV3XX-5046	Undo-Redo operations on USB Device CDC and Vendor panes causes exception	All Devices

7. Known Issues

#	ID	Description	Device(s)
	MCCV3XX-4762	Easy Setup LS48MHZ Bit in 8-Bit Devices not functional(use Registers View as workaround)	PIC18F45K50 Family

8 Frequently Asked Questions

For frequently asked questions, please refer to the FAQ post on the MCC Forum (http://www.microchip.com/forums/f293.aspx)

9 Supported New Families

The MCC USB Framework Lite 1.25 supports the following families. The full list of devices is in Section Appendix: Supported Devices

9.1.1 8 bit Families

- PIC18F45K50 (http://www.microchip.com/PIC18F45K50)

9.1.2 16 bit Families

- PIC24FJ64GB004 (http://www.microchip.com/PIC24FJ64GB004)
- PIC24FJ256GB110 (http://www.microchip.com/PIC24FJ256GB110)
- PIC24FJ256DA210 (http://www.microchip.com/PIC24FJ256DA210)
- PIC24FJ256GB210 (http://www.microchip.com/PIC24FJ256DA210)
- PIC24FJ128GB204 (http://www.microchip.com/PIC24FJ128GB204)
- PIC24FJ128GC010 (http://www.microchip.com/PIC24FJ128GC010)
- PIC24FJ256GB412 (http://www.microchip.com/PIC24FJ256GB412)
- PIC24FJ1024GB610 (http://www.microchip.com/PIC24FJ1024GB610)

9.1.3 32 bit Families

- **PIC32MM0256GPM064**

10 Customer Support

10.1 The Microchip Web Site

Microchip provides online support via our web site at http://www.microchip.com. This web site is used as a means to make files and information easily available to customers. Accessible by using your favorite Internet browser, the web site contains the following information:

- Product Support – Data sheets and errata, application notes and sample programs, design resources, user's guides and hardware support documents, latest software releases and archived software
- General Technical Support – Frequently Asked Questions (FAQs), technical support requests, online discussion groups/forums (http://forum.microchip.com), Microchip consultant program member listing
- Business of Microchip – Product selector and ordering guides, latest Microchip press releases, listing of seminars and events, listings of Microchip sales offices, distributors and factory representatives

10.2 Additional Support

Users of Microchip products can receive assistance through several channels:

- Distributor or Representative
- Local Sales Office
- Field Application Engineering (FAE)
- Technical Support

Customers should contact their distributor, representative or field application engineer (FAE) for support. Local sales offices are also available to help customers. A listing of sales offices and locations is available on our web site.

Technical support is available through the web site at: http://support.microchip.com

11 Appendix: Supported Devices

The MCC USB Framework Lite 1.25 supports the following **71 devices.**

11.1.1 8 bit Devices (6 Devices)

Devices shown in bold are new to this release

PIC18F24K50	PIC18LF24K50
PIC18F25K50	PIC18LF25K50
PIC18F45K50	PIC18LF45K50

11.1.2 16 bit Devices (53 Devices)

Devices shown in bold are new to this release

PIC24FJ1024GB606	PIC24FJ256DA210
PIC24FJ1024GB610	PIC24FJ256GB106
PIC24FJ128DA106	PIC24FJ256GB108
PIC24FJ128DA110	PIC24FJ256GB110
PIC24FJ128DA206	PIC24FJ256GB206
PIC24FJ128DA210	PIC24FJ256GB210
PIC24FJ128GB106	PIC24FJ256GB406
PIC24FJ128GB108	PIC24FJ256GB410

PIC24FJ128GB110
PIC24FJ128GB202
PIC24FJ128GB204
PIC24FJ128GB206
PIC24FJ128GB210
PIC24FJ128GB406
PIC24FJ128GB410
PIC24FJ128GB412
PIC24FJ128GB606
PIC24FJ128GB610
PIC24FJ128GC006
PIC24FJ128GC010
PIC24FJ192GB106
PIC24FJ192GB108
PIC24FJ192GB110
PIC24FJ256DA106
PIC24FJ256DA110
PIC24FJ256DA206
PIC24FJ256GB412
PIC24FJ256GB606
PIC24FJ256GB610
PIC24FJ32GB002
PIC24FJ32GB004
PIC24FJ512GB606
PIC24FJ512GB610
PIC24FJ64GB002
PIC24FJ64GB004
PIC24FJ64GB106
PIC24FJ64GB108
PIC24FJ64GB110
PIC24FJ64GB202
PIC24FJ64GB204
PIC24FJ64GB406
PIC24FJ64GB410
PIC24FJ64GB412
PIC24FJ64GC006

PIC24FJ64GC010

11.1.3 32 bit Devices (12 Devices)

Devices shown in bold are new to this release

PIC32MM0064GPM028
PIC32MM0064GPM036
PIC32MM0064GPM048
PIC32MM0064GPM064
PIC32MM0128GPM028
PIC32MM0128GPM036
PIC32MM0128GPM048
PIC32MM0128GPM064
PIC32MM0256GPM028
PIC32MM0256GPM036
PIC32MM0256GPM048
PIC32MM0256GPM064