Release Notes for MPLAB® Code Configurator PIC10/PIC12/PIC16/PIC18 library v1.81.3

1 What is MPLAB Code Configurator PIC10/PIC12/PIC16/PIC18 library

The PIC10-PIC12-PIC16-PIC18 library enables to use newer 8bit MCU devices and its modules.

2 System Requirements

- MPLAB® X IDE v5.40 or later
- XC8 compiler v2.20 or later
- MCC Core v4.75 or later

3 Installing MPLAB® Code Configurator PIC10-PIC12-PIC16-PIC18 library

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

To install the MPLAB® Code Configurator 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, and click on **Install**

To install the PIC10-PIC12-PIC16-PIC18 library
1. Open the MPLAB Code Configurator page: https://www.microchip.com/mplab/mplab-code-configurator
2. Scroll to the bottom of the page and select the **Current Downloads** tabs
3. Download **PIC10-PIC12-PIC16-PIC18 MCUs** (**PIC10-PIC12-PIC16-PIC18-1.81.3.mc3lib)**
4. In the MPLAB® X IDE, select **Options** from the **Tools** menu
5. Select **MPLAB® Code Configurator 3.x** tab from **Plugins** option
6. Click on **Install Library**
7. Browse to the location where you saved the **PIC10-PIC12-PIC16-PIC18-1.81.3.mc3lib**, select and click Open
8. 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 PIC10/PIC12/PIC16/PIC18 MCUs will find the multiple library version (loaded version is indicated by the green tick)
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

4 What's New

- PIC18FxxQ83 and PIC18FxxQ84 family of devices support (Green light*)
- ADC with Computation and Context Switching is supported in PIC18FxxQ83 and PIC18FxxQ84 devices
- Bug fixes and improvements

* Green light - Devices are available and tested.

5 Repairs and Enhancements

#	ID	Description	Device(s)
1.	MCCV3XX-9594	I2C Slave state machine issues	All
2.	CAE_MCU8-6638	WDT period display is wrong	All

6 Known Issues

#	ID	Description	Device(s)
1.	MCU8CC-15963	PWM: The Max possible frequency needs to be corrected for modes other than center aligned mode	PIC18FxxQ43

7 Frequently Asked Questions

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

8 Supported Families

The MCC PIC10-PIC12-PIC16-PIC18 Library supports the following families. (http://www.microchip.com/paramchartsearch/chart.aspx?branchid=30048)

The full list of devices is in Section 10.

- PIC10(L)F32x
- PIC12/16F75x
- PIC16(L)F145x
- PIC12/16(L)F150x
- PIC16(L)F151x
- PIC16(L)F152x
- PIC12/16LF155x
- PIC16(L)F156x
- PIC12/16(L)F157x
- PIC12/16(L)F161x
- PIC16F170x
- PIC16(L)F171x
- PIC16(L)F176x
- PIC16(L)F177x

- PIC16(L)F178x
- PIC12/16(L)F182x
- PIC12/16(L)F184x
- PIC16LF190x
- PIC16(L)F193x
- PIC16(L)F194x
- PIC16(L)F153xx
- PIC16(L)F183xx
- PIC16(L)F184xx (PIC16(L)F185x)
- PIC16(L)F188xx
- PIC16(L)F191xx
- PIC16F152xx
- PIC18(L)FxxJ13
- PIC18(L)FxxJ53
- PIC18F1xK22
- PIC18F2x/4xK20
- PIC18F2x/4xK22
- PIC18(L)F6x/8xK22
- PIC18(L)F2x/4xK40

- PIC18(L)F2x/4x/5xK42
- PIC18F2x/4x/5xQ10
- PIC18F1xK50
- PIC18F2x/4xK50
- PIC18F9x/8x/6xJ60
- PIC18(L)F2x/4x/6xK80
- PIC18(L)F2x/4xK83
- PIC18(L)F6x/8xK90
- PIC18FxxQ43
- PIC18FxxQ83
- PIC18FxxQ84
- PIC18FxxQ40
- Pic18FxxQ41

9 Customer Support

9.1 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

9.2 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

10 Appendix: Supported Devices

The MCC pc10-pic12-pic16-pic18 library supports the following **433** devices**.**

General Purpose MCUs
- PIC10(L)F320
- PIC10(L)F322
- PIC12F/HV752
- PIC16F/HV753
- PIC12(L)F1501
- PIC12LF1552
- PIC12(L)F1571
- PIC12(L)F1572
- PIC12(L)F1612
- PIC12(L)F1822
- PIC12(L)F1840
- PIC16(L)F1503
- PIC16(L)F1507
- PIC16(L)F1508
- PIC16(L)F1509
- PIC16(L)F1512
- PIC16(L)F1513
- PIC16(L)F1516
- PIC16(L)F1517
- PIC16(L)F1518
- PIC16(L)F1519
- PIC16(L)F1526
- PIC16(L)F1527
- PIC16LF1554
- PIC16LF1559
- PIC16LF1566
- PIC16LF1567
- PIC16(L)F1574
- PIC16(L)F1575

- PIC16(L)F1578
- PIC16(L)F1579
- PIC16(L)F1613
- PIC16(L)F1614
- PIC16(L)F1615
- PIC16(L)F1618
- PIC16(L)F1619
- PIC16(L)F1703
- PIC16(L)F1704
- PIC16(L)F1705
- PIC16(L)F1707
- PIC16(L)F1708
- PIC16(L)F1709
- PIC16(L)F1713
- PIC16(L)F1716
- PIC16(L)F1717
- PIC16(L)F1718
- PIC16(L)F1719
- PIC16(L)F1764
- PIC16(L)F1765
- PIC16(L)F1768
- PIC16(L)F1769
- PIC16(L)F1773
- PIC16(L)F1776
- PIC16(L)F1777
- PIC16(L)F1778
- PIC16(L)F1779
- PIC16(L)F1782
- PIC16(L)F1783

- PIC16(L)F1784
- PIC16(L)F1786
- PIC16(L)F1787
- PIC16(L)F1788
- PIC16(L)F1789
- PIC16(L)F1823
- PIC16(L)F1824
- PIC16(L)F1825
- PIC16(L)F1826
- PIC16(L)F1827
- PIC16(L)F1828
- PIC16(L)F1829
- PIC16(L)F1847
- PIC16F15213
- PIC16F15214
- PIC16F15223
- PIC16F15224
- PIC16F15225
- PIC16F15243
- PIC16F15244
- PIC16F15245
- PIC16(L)F15313
- PIC16(L)F15323
- PIC16(L)F15324
- PIC16(L)F15325
- PIC16(L)F15344
- PIC16(L)F15345
- PIC16(L)F15354
- PIC16(L)F15355

- PIC16(L)F15356
- PIC16(L)F15375
- PIC16(L)F15376
- PIC16(L)F15385
- PIC16(L)F15386
- PIC16(L)F18313
- PIC16(L)F18323
- PIC16(L)F18324
- PIC16(L)F18325
- PIC16(L)F18326
- PIC16(L)F18344
- PIC16(L)F18345
- PIC16(L)F18346
- PIC16(L)F18424
- PIC16(L)F18425
- PIC16(L)F18426
- PIC16(L)F18444
- PIC16(L)F18445
- PIC16(L)F18446
- PIC16(L)F18455
- PIC16(L)F18456
- PIC16(L)F18854
- PIC16(L)F18855
- PIC16(L)F18856
- PIC16(L)F18857
- PIC16(L)F18875
- PIC16(L)F18876
- PIC16(L)F18877
- PIC18(L)F26J13
- PIC18(L)F27J13
- PIC18(L)F46J13
- PIC18(L)F47J13
- PIC18F23K20
- PIC18F24K20
- PIC18F25K20
- PIC18F26K20
- PIC18F43K20
- PIC18F44K20
- PIC18F45K20
- PIC18F46K20
- PIC18(L)F13K22

- PIC18(L)F14K22
- PIC18(L)F23K22
- PIC18(L)F24K22
- PIC18(L)F25K22
- PIC18(L)F26K22
- PIC18(L)F43K22
- PIC18(L)F44K22
- PIC18(L)F45K22
- PIC18(L)F46K22
- PIC18F65K22
- PIC18F66K22
- PIC18F67K22
- PIC18F85K22
- PIC18F86K22
- PIC18F87K22
- PIC18(L)F24K40
- PIC18(L)F25K40
- PIC18(L)F26K40
- PIC18(L)F27K40
- PIC18(L)F45K40
- PIC18(L)F46K40
- PIC18(L)F47K40
- PIC18(L)F65K40
- PIC18(L)F66K40
- PIC18(L)F67K40
- PIC18(L)F24K42
- PIC18(L)F25K42
- PIC18(L)F26K42
- PIC18(L)F27K42
- PIC18(L)F45K42
- PIC18(L)F46K42
- PIC18(L)F47K42
- PIC18(L)F55K42
- PIC18(L)F56K42
- PIC18(L)F57K42
- PIC18F24Q10
- PIC18F25Q10
- PIC18F26Q10
- PIC18F27Q10
- PIC18F45Q10
- PIC18F46Q10

- PIC18F47Q10
- PIC18F25Q43
- PIC18F26Q43
- PIC18F27Q43
- PIC18F45Q43
- PIC18F46Q43
- PIC18F47Q43
- PIC18F55Q43
- PIC18F56Q43
- PIC18F57Q43
- PIC18F16Q40
- PIC18F15Q40
- PIC18F14Q40
- PIC18F06Q40
- PIC18F05Q40
- PIC18F04Q40
- PIC18F16Q41
- PIC18F15Q41
- PIC18F14Q41
- PIC18F06Q41
- PIC18F05Q41
- PIC18F04Q41

USB MCUs
- PIC16(L)F1454
- PIC16(L)F1455
- PIC16(L)F1459
- PIC18(L)F26J53
- PIC18(L)F27J53
- PIC18(L)F46J53
- PIC18(L)F47J53
- PIC18(L)F13K50
- PIC18(L)F14K50
- PIC18(L)F24K50
- PIC18(L)F25K50
- PIC18(L)F45K50

LCD MCUs
- PIC16LF1902
- PIC16LF1903

- PIC16LF1904
- PIC16LF1906
- PIC16LF1907
- PIC16(L)F1933
- PIC16(L)F1934
- PIC16(L)F1936
- PIC16(L)F1937
- PIC16(L)F1938
- PIC16(L)F1939
- PIC16(L)F1946
- PIC16(L)F1947
- PIC16(L)F19155
- PIC16(L)F19156
- PIC16(L)F19175
- PIC16(L)F19176
- PIC16(L)F19185
- PIC16(L)F19186
- PIC16(L)F19195
- PIC16(L)F19196
- PIC16(L)F19197

- PIC18F65K90
- PIC18F66K90
- PIC18F67K90
- PIC18F85K90
- PIC18F86K90
- PIC18F87K90

CAN MCUs
- PIC18(L)F25K80
- PIC18(L)F26K80
- PIC18(L)F45K80
- PIC18(L)F46K80
- PIC18(L)F65K80
- PIC18(L)F66K80
- PIC18(L)F25K83
- PIC18(L)F26K83
- PIC18F26Q83*
- PIC18F27Q83
- PIC18F46Q83*
- PIC18F47Q83

- PIC18F56Q83*
- PIC18F57Q83
- PIC18F26Q84*
- PIC18F27Q84
- PIC18F46Q84*
- PIC18F47Q84
- PIC18F56Q84*
- PIC18F57Q84

Ethernet MCUs
- PIC18F66J60
- PIC18F66J65
- PIC18F67J60
- PIC18F86J60
- PIC18F86J65
- PIC18F87J60
- PIC18F96J60
- PIC18F96J65
- PIC18F97J60

*These devices will be supported in future releases of MPLABX IDE and XC8 Compiler.