Release Notes for MPLAB® Code Configurator PIC10/PIC12/PIC16/PIC18 library v1.75

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 5.00 or later
- XC8 compiler v2.00 or later
- MCC Core Version 4.45 or later

3 Installing MPLAB® Code Configurator PIC10-PIC12-PIC16-PIC18_v1.75

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_v1.75 (if not available with plugin)

1. Download **PIC10-PIC12-PIC16-PIC-18_v1.75.jar** from microchip website.
2. In the MPLAB® X IDE, select **Options** from the **Tools** menu
3. Select **MPLAB® Code Configurator 3.x** tab from **Plugins** option
4. Click on **Install Library**
5. Add **PIC10-PIC12-PIC16-PIC18_v1.75.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 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

- Supported Microchip LCD Explorer XLP development board
- Added new graphic symbols in LCD module

5 Repairs and Enhancements

#	ID	Description
1.	MCU8CC-5061	PIC18F2xK83 *QFN packages does not match latest datasheet
2.	MCU8CC-3503	IOC Pin Manager.c generated code persists through pin selection
3.	MCU8CC-5045	PIC18F67J60 MSSP issue in MCC
4.	MCU8CC-3166	MCC generated master mode I2C code for the PIC18F26K42 does not work
5.	MCU8CC-5319	K42 EUSART driver
6.	MCU8CC-3167	Print CLC Configuration button on CLC Gui on K42
7.	MCU8CC-5334	MCLR disabled problem on 10F322 device
8.	MCU8CC-3430	MCC NVM / Storage Area Flash 16F15323
9.	MCU8CC-4893	CWG generation failed for 18LF65K40
10.	MCU8CC-3173	UART: Unable to deselect CTSx pin even if FLO is off
11.	MCU8CC-4662	Aliases for RA6 not generated in pin_manager.h with v1.65.2 PIC10/12/16 library, MCC v3.55.1
12.	MCU8CC-3176	MCC ECAN missing required init step for older PIC18 devices
13.	MCU8CC-3686	SLRCONx Registers are not configured by MCC
14.	MCU8CC-3665	PIC16F191xx RTCC Module MCC Initialization Code Error
15.	MCU8CC-4200	PIC16F1779 Enhanced PWM slave OF match sources missing
16.	MCU8CC-2892	MCC RTCC Initialization Configuration
17.	MCU8CC-5781	MCC v3.55.1 : PIC18F67K40 incorrect PPS configuration for UART1 & UART2
18.	MCU8CC-2722	MCC RTCC Code Generation
19.	MCU8CC-5084	Bit Description issue in MCC COG
20.	MCU8CC-4553	8-Bit Devices Memory(Flash) FLASH_BlockWrite() looks broken for PIC18F24K42 family.
21.	MCU8CC-3175	ADCC module does not initialise the ADACQ register
22.	MCU8CC-4555	Code generated by MCC for PPS settings of CLKRef and DSM out is wrong

#	ID	Description
23.	MCU8CC-3316	ADCC driver in MCC doesn't set ADCON2.ADCRS register bits correctly
24.	MCU8CC-3171	SPI1 default pins in the datasheet do not match the default pins assigned in MCC: PIC18F47J13
25.	MCU8CC-3226	Incorrect PPS pins for CLC module in PIC18F46K42
26.	MCU8CC-3225	RSTOSC field setting is incorrect in PIC18F25Q10
27.	MCU8CC-4548	MCC fails to generate pinmanager.h and pinmanager.c
28.	MCU8CC-2382	RTCC time won't increase
29.	MCU8CC-2542	MPLAB X 4.15: PIC18LF47K42 CTS required in Flow = Off
30.	MCU8CC-3579	MCC v3.55.1 not generating aliases code for MCLR pin
31.	MCU8CC-4707	Wrong pinout in package view for 18F25K40 device
32.	MCU8CC-5521	Q10 ADCC Sample Capacitor Discharge Compensation

6   Known Issues

#	ID	Description
1.	MCU8CC-6113	Interrupt functionality for ECAN module is not supported

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 1.75 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
- PIC16F176x
- 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
- PIC18(L)FxxJ13
- PIC18(L)FxxJ53
- PIC16(L)F191xx
- 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

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_v1.75 supports the following **392 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
- 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

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

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

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