

Release Notes for MPLAB® Code Configurator PAC193x library v2.2.1

1 What is MPLAB Code Configurator PAC193x library

The PAC193x library for Microchip's MPLAB® X allows for quick and easy C code generation for interfacing with the PAC193x Current and Power Monitor ICs via I2C.

2 System Requirements

Software Requirements for v2.2.0 and for v2.2.1:

- MPLAB® X IDE 5.40 or later
- XC8 compiler v2.30 or later
- XC16 compiler v1.60 or later
- MCC Version 4.0.2 or later

Software Requirements for v2.1:

- MPLAB® X IDE 4.10 or later
- XC8 compiler v1.44 or later
- XC16 compiler v1.33 or later
- MCC Version 3.45 or later

AVR® 8 bit Families requirements:

- 1 I2CSIMPLE module configured as TWI

PIC® 8 bit Families requirements:

- 1 I2CSIMPLE module configured as MSSP I2C Host

PIC® 16 bit Families requirements:

- 1 I2C module configured as Host

3 Documentation Support

PAC1934 Data Sheet

4 Installing MPLAB® Code Configurator PAC193x Library

Basic steps for installing PAC193x Library Plug-in for MPLAB® Code Configurator are the following:

1. Install MPLAB® Code Configurator v4.0.2
2. Add pac193x Library Plug-in to MCC:
 - a. In MPLAB X IDE click on **Tools** → **Options**
 - b. Click on **Plugins** tab
 - c. Click on **Install Library**
 - d. Browse to the location of the PAC193x Library Plug-in, select it and click **Open**

5 What's New

- V2.2.1
 - Fixed defining sense resistor values issue in header file
- V2.2.0
 - Compatible with MCC Core v4.0.2
 - Removed I2C Classic modules support for PIC® 8 bit families
 - Added support for AVR® 8 bit families
- V2.1
 - Renamed module to PAC193x
 - Added publisher PAC1934 topics
- V2.0
 - Added support for Foundation Services I2C Methods
 - Updated API to support multiple devices on multiple I2C bus instances
- V1.0 Initial release with support for
 - PAC1934

6 Known Issues

Limitations:

- This library version works with any 8 bit PIC or AVR and 16 bit PIC supported by MCC which has a I2C peripheral, however thorough tests have only been performed with a PIC16F1947, PIC16F1719, PIC24FJ128GB204 and ATmega4809

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) (<http://www.microchip.com/forums/f293.aspx>)

8 Supported Families

8.1 PAC193x devices

- PAC1934

8.2 8 bit Families

- PIC12
- PIC16
- PIC18
- ATmega
- AVR
- ATtiny

8.3 16 bit Families

- PIC24
- dsPIC

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>