

PIC32 Starter Kit Information Sheet

The PIC32 Starter Kit (DM320001) provides a low-cost method for the development and testing of applications with PIC32 devices. This evaluation kit includes the PIC32 Starter Kit board and an A to mini-B USB cable. The PIC32 Starter Kit board features a mini-B USB port for debugging, three user-programmable LEDs and three push button switches that can be easily used with the preloaded demonstration.

Installing MPLAB® IDE and C Compilers

The MPLAB Integrated Development Environment (IDE) should be installed prior to using the PIC32 Starter Kit. While MPLAB IDE provides the assembler tools for development, the Microchip demonstration code requires installation of a C compiler. Microchip's MPLAB C Compiler seamlessly integrates into MPLAB IDE. Both the MPLAB IDE and MPLAB C Compiler are free (see the note below) and are available for download at www.microchip.com/MPLAB and www.microchip.com/compilers, respectively.

Note: Standard Evaluation (Free) – All optimization levels are enabled for 60 days, but then revert to optimization level 1 only.

Americas	Asia/Pacific	Europe
Atlanta - 678-957-9614	Australia - Sydney - 61-2-9868-6733	Austria - Weis - 43-7242-2244-39
Boston - 774-760-0087	China - Beijing - 86-10-8528-2100	Denmark - Copenhagen - 45-4450-2828
Chicago - 630-285-0071	China - Chengdu - 86-28-8665-5511	France - Paris - 33-1-69-53-63-20
Cleveland - 216-447-0464	China - Chongqing - 86-23-8980-9588	Germany - Munich - 49-89-627-144-0
Dallas - 972-818-7423	China - Hong Kong SAR - 852-2401-1200	Italy - Milan - 39-0331-742611
Detroit - 248-538-2250	China - Nanjing - 86-25-8473-2460	Netherlands - Drunen - 31-416-690399
Kokomo - 765-864-8360	China - Qingdao - 86-532-8502-7355	Spain - Madrid - 34-91-708-08-90
Los Angeles - 949-462-9523	China - Shanghai - 86-21-5407-5533	UK - Wokingham - 44-118-921-5869
Phoenix - 480-792-7200	China - Shenyang - 86-24-2334-2829	
Santa Clara - 408-961-6444	China - Shenzhen - 86-755-8203-2660	
Toronto - 905-673-0699	China - Wuhan - 86-27-5980-5300	08/04/10
	China - Xiamen - 86-592-2388138	
	China - Xian - 86-29-8833-7252	
	China - Zhuhai - 86-756-3210040	
	India - Bangalore - 91-80-3090-4444	
	India - New Delhi - 91-11-4160-8631	
	India - Pune - 91-20-2566-1512	
	Japan - Yokohama - 81-45-471-6166	
	Korea - Daegu - 82-53-744-4301	
	Korea - Seoul - 82-2-554-7200	
	Malaysia - Kuala Lumpur - 60-3-6201-9857	
	Malaysia - Penang - 60-4-227-8870	
	Philippines - Manila - 63-2-634-9065	
	Singapore - 65-6334-8870	
	Taiwan - Hsin Chu - 886-3-6578-300	
	Taiwan - Kaohsiung - 886-7-213-7830	
	Taiwan - Taipei - 886-2-2500-6610	
	Thailand - Bangkok - 66-2-694-1351	



Microchip Technology Inc. • 2355 West Chandler Blvd. • Chandler, AZ 85224-6199

www.microchip.com

The Microchip name and logo, the Microchip logo, and MPLAB are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries. All other trademarks mentioned herein are property of their respective companies.

© 2011, Microchip Technology Incorporated, Printed in the U.S.A. All Rights Reserved. 08/10

DS51952A

Microchip Demonstration Code and More Information

For the free Microchip demonstration code and more information, please visit the PIC32 Starter Kit page at: www.microchip.com. From the Design menu, click **Development Tools**. Then, from the Starter Kits menu, click **Starter Kits**, and then click **PIC32 Starter Kit**. From the download section, select **PIC32_SK_Port_IO_Demo**.

Running the Port I/O Demonstration Code

After downloading and installing the Microchip development tools, please use the following procedure to run the demonstration code:

1. Load the PIC32_SK_Port_IO_Demo code into MPLAB by double clicking the `port_io_PIC32_PIC32 Starter Kit.mcp` project file.
2. Connect the mini-B USB cable to the mini-B debugger port on the PIC32 Starter Kit board. Connect the other end of the USB cable to the development PC.

Note: If prompted, the driver for the PIC32 Starter Kit is located at:
<installation_dir>\Microchip\MPLAB IDE\PIC32MXSKit\Drivers.

3. Choose the PIC32 Starter Kit debugger tool in MPLAB IDE by selecting Debugger > Select Tool > PIC32 Starter Kit.
4. Build the project by selecting Project > Build All.
5. Download your code into the evaluation board microcontroller by selecting Debugger > Programming > Program All Memories.
6. Run the demonstration code that was previously downloaded by selecting Debugger > Run.