

## PIC32MX1XX/2XX Starter Kit Information Sheet

The PIC32MX1XX/2XX Starter Kit (DM320013) provides a low-cost method for the development and testing of audio and touch-based applications with PIC32 devices. This board features a codec with an I<sup>2</sup>S interface, a touch slider with a CTMU interface, an LCD, a SD card slot, and an on-board debugger.

### Installing MPLAB<sup>®</sup> IDE and C Compilers

Before you use the PIC32MX1XX/2XX Starter Kit, it is important that you have installed the Microchip MPLAB<sup>®</sup> Integrated Development Environment (IDE). MPLAB IDE provides the assembler tools you will use for development. You will also need a C compiler for the demonstration code. The MPLAB C Compiler seamlessly integrates into MPLAB IDE. Both the MPLAB IDE and C Compiler are free (see the note below) and are available for download at <http://www.microchip.com/MPLAB> and <http://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.

### Demonstration Code and More Information

For demonstration code and more information, please visit the PIC32MX1XX/2XX Starter Kit page at: <http://www.microchip.com>. From the Design menu, click **Development Tools**. Then, from the Starter Kits menu, click **Starter Kits**, and then click **PIC32MX1XX/2XX Starter Kit**. From the Downloads table at the bottom of the page, click the **PIC32 I2S Demo** link.

### Running the Demonstration Code

After downloading the demonstration code and installing the development tools, please use the procedure outlined in the `readme.txt` file included with the demonstration code to download and run this application.

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