Other Information

To obtain the most recent and complete documentation for this demonstration board, including:

- User's Guide
- Board Description
- Board Schematics
- Source Code
- Application Examples
- Links to Web Seminars

please refer to the Microchip web site: **www.microchip.com**

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DS61148B

PIC32 Starter Board PIM Adapter (AC320002)

Overview

The PIC32 Starter Board PIM Adapter is designed to enable the PIC32 Starter Board to work with the Explorer 16 Development Board. This enables users to customize functionality using PICtail™ Plus daughter cards or eliminate the need for external debugging hardware.

With the PIC32 Starter Board plugged into the Explorer 16 Development Board, there are 2 options to connect to MPLAB® Integrated Development Environment (IDE):

1. Use the existing PIC32 Starter Board circuitry. Ensure the PIC32 Starter Board USB cable is connected to the PIC32 Starter Board debug port. Also, connect the +9V DC power supply to the Explorer 16 Development Board.
2. Use a third party JTAG debugger connected to the Explorer 16 Development Board JTAG port.

Getting Started

To get started, attach the PIC32 Starter Board PIM Adapter to the Explorer 16 Development Board (DM240001, DM240002) through the U1A connector of the Explorer 16 board. The PIC32 Starter Board is then connected to the PIM Adapter via J2. After connecting the PIC32 Starter Board, PIM Adapter, and Explorer 16 Development Board, power the Explorer 16 using its +9V DC power supply. Do this before connecting the PIC32 Starter Board debug USB cable to the PC. The PIC32 Starter Board is now powered by the Explorer 16 Development Board rather than by the USB debug connection.

Limitations

The PIM connector does not provide +5V, therefore the PIC32 Starter Board +5V_EXT signal is not connected to the application circuit.

The connector on the PIC32 Starter Board PIM Adapter is not compatible with the MPLAB® REAL ICE™ in-circuit emulator or the MPLAB ICD 3 in-circuit debugger.

Schematics

Schematics for the PIC32 Starter Board PIM Adapter are featured on the next page of this document.

PIC32MX Starter Board PIM Adapter (AC320002)

Board Schematic