MICROCHIP

MPLAB(R) Xpress PIC16F18877 Evaluation Board

Part Number: DM164142

Xpress Your Creativity

Brilliant ideas are fleeting. As soon as they are recognized, they must be captured quickly, and made real with the highest possible urgency. In embedded design, the creative process is often blunted by the massive array of choices required to simply begin the development cycle. The tasks of selecting a target MCU, finding the appropriate tool chain, and setting everything up on your PC can keep your best ideas from becoming great products. The MPLAB Xpress Evaluation Board (DM164142) was designed with a single objective – to help your ideas take the shortest journey from imagination to reality.

Crafted for Cloud-Based Development

The MPLAB Xpress PIC16F18877 Evaluation board offers seamless integration with our software tool chain, including the MPLAB Xpress cloud-based IDE. MPLAB Xpress is an online development environment that contains the most popular features of our award-winning MPLAB X IDE. This simplified & distilled application is a faithful reproduction of our desktop-based program, which allows users to easily transition between the two environments.

On-Board Application Processor

The PIC16F18877 MCU is the centerpiece of the MPLAB Xpress board. The product family features a 10-bit ADC with Computation (ADC2) for automated signal analysis, helping reduce system complexity. The MCUs include Core Independent Peripherals, communication, CRC/SCAN, Hardware Limit Timer (HLT) and Windowed WDT (WWDT) to support customers looking to add safety and monitoring to their system. Additionally, these products also feature power conserving functionality, including Idle/Doze operating modes, Peripheral Module Disable (PMD) and eXtreme Low-Power (XLP) technology for a wide range of applications.

Drag-and-Drop Programming

Programming the MPLAB Xpress PIC16F18877 Evaluation Board is quick and easy. We've integrated a unique drag-and-drop programmer for compatibility with almost any USB-connected PC, laptop, or tablet. The MPLAB Xpress Evaluation board connects to your PC as a USB Flash drive, so no drivers are needed. Programming of the target device is completed in microseconds, with no waiting.

Features

- Integrates seamlessly with MPLAB Xpress cloud-based IDE and MPLAB Code Configurator for the quickest development cycle

- On-Board PIC16F18877 MCU Application Processor

- Integrated Drag-and-Drop Programmer with USB Interface- no drivers required!

- Compact footprint offers flexibility during prototyping phase

Visit our **MPLAB Xpress** Cloud-based IDE homepage to Login and for all other relevant information.

Package Contents

MPLAB Xpress PIC16F18877 Evaluation Board