PICDEM Lab Development Kit

Part Number: DM163035

The PICDEM™ Lab Development Kit is designed to provide a comprehensive development and learning platform for Microchip's FLASH-based 6-, 8-, 14-, 18- and 20-pin 8-bit PIC® microcontrollers.

Geared toward first-time PIC® microcontroller users and students, the PICDEM™ Lab Development Kit is supplied with five of our most popular 8-bit PIC® microcontrollers and a host of discrete components to create instructive applications.

Expansion headers provide complete access/connectivity to all pins on the connected PIC® microcontrollers and all mounted components.

A solderless prototyping block is included for quick exploration of the application examples described in the “hands-on” labs included in the user’s guide. These labs provide an intuitive introduction to using common peripherals and include useful application examples, from lighting an LED to some basic mixed signal applications using the free HI-TECH C® PRO for the PIC10/12/16 MCU Family Lite Mode Compiler.

Alternately, a companion guide featuring the free version of Matrix Multimedia’s Flowcode V3 Visual Programming Environment (VPE) provides a flowchart-based method of implementing a series of introductory labs. (**see download section below for Flowcode companion guide and lab solutions**).

Download Flowcode V3 – free version here!

Completing the kit are Microchip’s PICkit™ 2 Programmer/Debugger and a suite of free software tools that enable original applications to be developed quickly.

Kit Contents:

- PICDEM™ Lab Development Board
- Component kit
- PICkit™ 2 Programmer/ Debugger
- CD containing a comprehensive user guide, labs, application examples and a number of additional tutorials.

The PIC® Microcontrollers included with the kit are:

- PIC16F690 (20-pin)
- PIC16F88 (18-pin)
- PIC16F616 (14-pin)
- PIC12F615 (8-pin)
- PIC10F206 (6-pin) in 8-pin PDIP package for debugging