

# PICKit™ 2 Starter Kit

## Summary

The PICKit™ 2 Starter Kit is a low-cost development kit with an easy to use interface for programming Microchip's 8/14/20-pin Flash family of microcontrollers. This starter kit is designed to help developers get up to speed quickly using PIC® microcontrollers.

The kit provides everything needed to program, evaluate and develop applications using Microchip's powerful 8/14/20-pin Flash family of microcontrollers. Instructions are provided in a series of twelve lessons that cover I/O, Interrupts, A/D Converters, Data Tables and Timers. All source code files for the lessons are furnished.

Code development and debugging is performed using Microchip's powerful MPLAB® Integrated Development Environment (IDE). The MPLAB IDE is a seamless, integrated software development environment that includes a MPASM™ macro assembler, MPLAB SIM software simulator with symbolic debugger, color-coded source editor, project manager with high-level language debugging and concurrent support for development tools, including low-cost in-circuit debuggers, full-featured real-time emulators and programmers. The consistent and easy-to-use graphic user interface of the MPLAB desktop allows for rapid switching between development, debugging and programming modes within a project.

## Features

- Low pin count demo board supporting 8/14/20-pin mid-range PICmicro microcontrollers
- Easy to use Windows® programming selected Flash based PICmicro® microcontrollers
- Twelve sequential lessons written in Assembly demonstrate how to use Microchip's 8/14/20-pin Flash family of microcontrollers
- Technical documentation CD including:
  - PICKit 2 User's Guide
  - Low Pin Count Demo Board User's Guide
  - Tips 'n Tricks Booklets
  - Selected Application Notes
- FREE! Microchip's MPLAB IDE software for a complete code development environment
- FREE! HI-TECH PICC™ LITE C Compiler (contained on the MPLAB CD)



## PICKit 2 Starter Kit Contents

- PICKit 2 Development Programmer
- Low Pin Count Demo Board with 20-pin PIC16F690
- PICKit 2 Starter Kit CD ROM
- MPLAB IDE (Integrated Development Environment) CD ROM
- Software and Hardware "Tips 'n Tricks" for PIC Microcontrollers
- USB Interface Cable

## Host System Requirements

- PC-compatible system with an Intel Pentium® class or higher processor, or equivalent
- CD-ROM drive
- Available USB port
- Microsoft Windows 98 SE, Windows 2000 or Windows XP

## Ordering Information

The PICKit 2 Starter Kit includes everything needed to program, evaluate and develop applications using Microchip's 8/14/20-pin Flash family of microcontrollers.

## Customer Support

Microchip maintains a worldwide network of distributors, representatives, local sales offices, Field Application Engineers and Corporate Application Engineers. Visit our web site at [www.microchip.com](http://www.microchip.com) for additional product information and sales office locations.

### PICKit™ 2 Products and Accessories

Part Number	Description
DV164120	PICKit 2 Starter Kit
PG164120	PICKit 2 Development Programmer Only
AC163020	PIC10F Universal Programming Adapter

### Development Tools from Microchip

MPLAB® IDE	Integrated Development Environment (IDE)
MPASM™ Assembler	Universal PICmicro® Macro-Assembler
MPLINK™ Linker/MPLIB™ Librarian	Linker/Librarian
MPLAB SIM	Simulator Software Simulator
MPLAB C18	C Compiler for PIC18CXXX MCUs
MPLAB C30	C Compiler for dsPIC30F MCUs
PICKit™ 1/PICKit 2	PICKit 1 Flash Starter Kit/PICKit 2 Starter Kit
MPLAB ICD 2	In-Circuit Debugger
MPLAB ICE 2000	Full-featured Modular In-Circuit Emulator for PIC12, PIC16 and PIC18 MCUs
MPLAB ICE 4000	Full-featured Modular In-Circuit Emulator for PIC18 and dsPIC MCUs
PICSTART® Plus Programmer	Entry-level Development Kit with Programmer
MPLAB PM3 Device Programmer	Full-featured, Modular Device Programmer
Analog & Interface Boards	A variety of demonstration and evaluation boards for interface, linear, mixed-signal, power management and thermal management functions.

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