- Easy to use Windows® programming interface for programming the 8/14 pin FLASH PICmicros
- Seven tutorials written in both Assembly and HI TECH 'C' demonstrate how to use the 8/14 pin FLASH PICmicros
- Microchip's Tips 'n Tricks booklet provides design techniques
- PICkit 1 User Guide (included on CD ROM)
- MPLAB IDE software for code development environment
- HI-TECH PICC™ LITE C Compiler (contained on the MPLAB CD-ROM)
- Supports 8/14-pin FLASH PICmicros® including: PIC12F629, PIC12F675, PIC16F630 and PIC16F676

CONTENTS:

- PICkit 1 Circuit Board with 8-pin PIC12F675
- PICkit 1 FLASH Starter Kit CD-ROM
- MPLAB IDE CD-ROM
- Software and Hardware "Tips 'n Tricks" for 8-pin FLASH PIC Microcontrollers Booklet
- USB Interface Cable

System Requirements:

- PC-compatible with a Pentium® or equivalent
- 16 MB RAM min
- 40 MB min hard drive space
- CD-ROM drive
- USB port
- Microsoft Windows® 98, Windows NT® 4.0, Windows 2000 or Windows XP

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Description	Order Code	Price Each
Kit Development, PIC Flash Starter Kit	**439-0787**	2,321.00
PICKIT1 Upgrade For PIC10F	**804-9750**	322.00
Programmer Adapter For PIC10F	**804-9769**	2,321.00

PICkit™ 2 Developmet Programmer

MICROCHIP

NEW

The PICkit 2 starter kit is a low-cost, easy to use development kit for programming Microchip's 8, 14 and 20-pin Flash microcontrollers. It includes everything needed to program, evaluate and develop the microcontrollers and helps the user to get up to speed quickly using PIC microcontrollers. The included instructions cover I/O, Interrupts, A/D Converters, Data tables and Timers.

Features:

- Easy to use Windows programming interface
- 12 sequential lessons written in Assembly to demonstrate how to use the microcontrollers
- Microchip Tips 'n Tricks booklet to provide efficient, low-cost design techniques
- PICkit 2 User's Guide CD-ROM
- Low pin count demo board User's Guide
- MPLAB IDE Software for complete code development
- HI-TECH PICC™ LITE C Complier

413600

Description	Mftrs. List No.	Order Code	Price Each
PICkit 2 Starter Kit	DV164120	**984-7162**	3,413.00
PICkit 2 Programmer Only	PG164120	**984-7170**	2,256.00

MPLAB®ICD 2 In-Circuit Debugger

MICROCHIP

The ICD 2 module connects between the PC and the users target board allowing direct in circuit debugging, in real time, of the target microcontroller. It can also be used as a programmer to download programs to the target microcontroller.

The In-Circuit Debugger 2 (MPLAB® ICD 2) allows the debugging of a range of PIC microcontrollers through the MPLAB® Integrated Development Environment (IDE) graphical user interface. Programs may be executed in real time or single step, watch variables established, break points set, memory read/writes accomplished and more.

Features:

- USB (full speed 2Mbits/sec) and RS232 interface to host PC
- Real time background debugging
- MPLAB compatible (copy included)
- Firmware upgradable from the PC
- Supports low voltage target systems (2.0 to 6.0V)
- Diagnostic LEDs (Power, Busy, Error)
- Reading/Writing memory space and stack of target microcontroller
- Freeze on halt

Devices Supported:

PIC18C601/801, PIC18F248/258/442/448/452/458/6620/6720/8620 and PIC18F8720.

Kit contents:

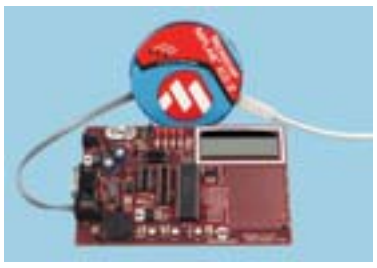
DV164005 - ICD2 module, USB cable (Order code 415-6924)
DV164006 - ICD2 module, USB cable, RS232 cable, Power Supply, PICDEM™2 Plus (DM163022)
DV164007 - ICD2 module, USB cable, RS232 cable, Power Supply

234360

Mftrs. List No.		Order Code	Price Each
DV164005	ICD2 Module (with USB cable)	**415-6924**	10,551.00
DV164006	ICD2 Evaluation Kit	**386-6397**	13,956.00
DV164007	ICD2 Module (with USB/RS232 cable, Power Supply)	**395-6477**	11,529.00
AC162049	Universal Programming Module for ICD2, PICStart+ and PROMATE II	**424-2002**	2,730.00
AC162050	8-pin ICD2 header interface for PIC12F629/675	**430-0830**	1,707.00
AC162051	28 to 40-pin DIL Header for ICD2	**433-9332**	1,365.00
AC162052	14-pin ICD2 header interface for PIC16F676/630	**430-0841**	1,707.00
AC162053	18-pin ICD2 header interface for PIC16F627A/628A/648A	**476-6805**	2,389.00
AC162054	18-pin ICD2 header interface for PIC16F716	**817-8615**	2,389.00
AC162055	14-pin ICD2 header interface for PIC16F684	**771-1522**	1,612.00
AC162056	14-pin ICD2 header interface for PIC16F688	**771-1530**	1,707.00
AC162057	14-pin ICD2 Header Interface for PIC12F635/16F636	**111-2736**	1,752.00
AC162058	8-pin ICD 2 Header Interface for PIC12F683	**111-2722**	1,752.00
AC162059	8-pin ICD 2 Header Interface for PIC10F200/202/204/206, 12F508/509, 16F505	**111-2783**	1,756.00
AC162060	20-pin ICD 2 Header Interface for PIC16F785	**111-2725**	2,454.00
AC162069	MPLAB ICD 2 Breadboard Cable	**111-2721**	1,034.00

PICDEM™ 2 Plus Demo Board

MICROCHIP



The PICDEM 2 Plus Demonstration Board provides designers with a tool for programming and debugging FLASH-based microcontrollers. It has an ICD port, LCD read-out, sounder and a temperature sensor. The board is supplied with software on a PIC18F452 microcontroller to demonstrate the device's features and peripherals. The program sets up the microcontroller as a real-time clock and measures the local temperature, both displayed on an LCD display. A PWM signal is sent directly to the Piezo sounder.

An active RS-232 port and on-board Serial EEPROM is provided. The board offers generous prototyping area for development. A second FLASH-based microcontroller, the PIC16F877, is included with demonstration program.

Source code is also provided for users to understand and modify the algorithm for their own applications. Users with an MPLAB® ICD 2 can cut, paste, rewrite or add to the program using the capability of the Flash-based microcontroller's In-Circuit Debugger.

240352

Mftrs.			
DM163022	Demonstration Board	**399-2925**	6,447.00

PIC IN A BOX–Ultimate PIC Starter Package

PIC IN A BOX is a complete starter kit for those intending to work with the PICmcu 8-bit microcontroller. Contents include a PICSTART® PLUS (programmer, editor, assembler/simulator software, samples, power supply, all necessary cables and a copy of the Microchip data library on CD-ROM), a copy of "The Beginners Guide to the PIC" and "PIC Cookbook", a Project Board, PIC Soft with additional projects aimed at the beginner and starter guidance notes.

Exclusive to Farnell in conjunction with Nigel Gardner.

210681

	Order Code	Price Each
PIC IN A BOX Starter Package	**789-288**	35,068.00
Power Supply 9V, 900mA (IEC 110/240Vac)	**110-711**	2,283.00
European mains plug lead	**112-4379**●	393.00

● Compliant ◀ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS