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PICSTART®Plus

Low-cost Development Kit Supports All PICmicro®MCUs

PICSTART Plus makes designing with Microchip MCUs simple and affordable. The PICSTART Plus development suite from Microchip Technology provides the product development engineer with a highly-flexible, low-cost microcontroller (MCU) design tool set for all Microchip PICmicro® MCU devices (DIP packages up to 40 pins with optional 68 and 84 PLCC capability).

The PICSTART Plus development system runs on any PC-compatible machine operating under the Microsoft® Windows® operating system. PICSTART Plus is easy-to-use and features Microchip's highly acclaimed MPLAB® Integrated Development Environment (IDE), with its built-in editor, assembler and Windows-based MPLAB SIM simulator. The PICSTART Plus development system includes full documentation, software, development programmer, and a device sample.

The CE compliant PICSTART Plus development programmer features a molded plastic enclosure and special circuit design techniques to enhance ESD protection. PICSTART Plus is a development programmer and is not recommended for use in a production environment.

Sample software programs are provided to help the developer quickly become familiar with the PICSTART Plus development system and with Microchip's PICmicro MCU families. The PICSTART Plus system also includes Microchip's new CD-ROM containing complete documentation necessary to get started with your design. Additionally, PICC Lite™ C compiler works with the enclosed sample part and is a great introduction into the "C" language and microcontroller program.



Features:

- Operates with PC-compatible host system running Windows under MPLAB IDE environment
- Reads, programs, verifies EPROM and EEPROM program and data memory
- Reads, programs, verifies all configuration bits
- Programs and verifies an address range
- Displays, edits, and transfers device contents to and from programmer unit
- MPLAB Project support to automatically download object file to PICSTART Plus
- MPASM™ Assembler translates assembler source code to object code for all PICmicro devices
- MPLAB SIM Windows-based simulator designed to model operation of all PICmicro MCUs
- Complete with RS-232 cable and 9V power supply
- PICmicro MCU device sample
- Complete documentation, User's Guides and CD-ROM
- PICC Lite™ C compiler for PIC16F84 microcontroller

MICROCHIP
Development Systems

Microchip Technology Incorporated

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Ordering Information:

Model Name:
PICSTART Plus

Ordering Part Number:
DV003001

Devices Supported:
All PICmicro MCUs
(DIP Packages up to 40 pins)

Options:
AC164024 68-pin PLCC Adaptor Kit

AC164027 84-pin PLCC Adaptor Kit

AC164031 28-pin MLF Adaptor Kit

Host System Requirements:
PC with Pentium® processor or greater
Microsoft® Windows® operating system
1 Serial COM Port

System Description:

The PICSTART Plus development system includes the PICSTART Plus development programmer and the MPLAB IDE.

The PICSTART Plus programmer gives the product developer the ability to program user software into any of the supported MCUs. The PICSTART Plus software running under MPLAB provides for full interactive control over the programmer.

The MPASM™ macro assembler provides programmable memory data files, listing files, and special files required for symbolic debug. The MPLAB SIM software simulator allows the user to isolate code problems and debug firmware designs on PICmicro devices. It simulates the core functions as well as most of the peripherals of the PICmicro MCU families. It is particularly suitable for optimizing algorithms where real-time emulation is not required.

To order or obtain more information about PICSTART Plus or any other Microchip product, contact the Microchip sales office nearest you.

Development Tools from Microchip	
MPLAB® IDE	Integrated Development Environment (IDE)
MPASM™ Assembler	Universal PICmicro macro-assembler
MPLINK™ Linker/ MPLIB™ Librarian	Linker/ Librarian
MPLAB C17	C compiler for PIC17CXXX MCUs
MPLAB C18	C compiler for PIC18CXXX MCUs
C compiler	Sold by third-party vendors (HI-TECH, IAR, CCS)
MPLAB SIM Simulator	Software Simulator
MPLAB ICD	In-Circuit Debugger
ICEPIC™ Emulator	Low-cost in-circuit emulator
MPLAB ICE 2000	Full-featured modular in-circuit emulator
PICSTART® Plus Programmer	Entry-level development kit with programmer
PRO MATE® II Device Programmer	Full-featured, modular device programmer

Customer Support:

Microchip maintains a worldwide network of distributors, representatives, local sales offices, Field Application Engineers, and Corporate Application Engineers. Microchip's Internet home page can be reached at: www.microchip.com

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As of 02/ 01/ 01

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