

PIC Development Tools - continued

210689

'C' Compiler for PIC17/18 - continued

- User configurable interrupt support macros
- MPLAB-C17 and -C18 will run on any 386+, DOS 5.0+ or 32-bit Wins 95/NT executive

The development package includes:

- MPLAB-C17 or -C18 Compiler software
- MPLAB software
- Complete documentation
- Microchip CD-ROM with data, embedded control information and applications notes

210928

	Order Code	Price Each
MPLAB-C18 C compiler for PIC18Cxxx family .	315-4841	31,916.00

PIC C-Compiler

- Built-in libraries to work with all chips for RS232 serial I/O library, I/O, I²C, discrete I/O and precision delays
- Integrates with MPLAB and other simulators/emulators for source level debugging
- Standard Hex file and debug files for all programmers
- Efficient function implementation
- Access to hardware features from easy to use C functions, Timers, A/D, E², etc.
- Assembly code may be inserted anywhere in the source and may reference C variables
- #Bit and #BYTE allows C variables to be placed at absolute addresses to map register to C variables
- Automatic linking for multiple code pages
- Both an Integrated editor/compiler and a CMD line compiler
- Special windows show the RAM memory map, C/Assembly listing and the calling tree
- Updates via modem for 30 days included

The C-Compiler for the Microchip PIC processors is fully optimised for these parts. Built-in functions make coding and software easy. The integrated C development environment allows for fast and efficient code from an easily maintainable high level language.

The compilers are available in two versions - command line compiler (PCB, PCM or PCH) and compiler with Windows IDE (PCW and PCWH).

The PCW C-Compiler for PICmicro contains both 'PCB' and 'PCM'.

The PCWH C-Compiler for PICmicro contains both 'PCW' and 'PCH'.

These types have Windows Integrated Development Environment and run under Windows 3.1, 95, 2000 and NT.

All versions include:

- | | |
|-------------------------|----------------------------|
| ● Command Line Compiler | ● Device Drivers |
| ● Built-in Functions | ● MPLAB Interface |
| ● Program Examples | ● Call Tree and Memory Map |

Features	PCB	PCM	PCH	PCW	PCWH
Windows IDE	—	—	—	✓	✓
C Aware Editor	—	—	—	✓	✓
New Project Wizard	—	—	—	✓	✓
Extra Optimisation	—	—	—	✓	✓
Device Selector/Editor	—	—	—	✓	✓
Statistics	—	—	—	✓	✓
Special Viewers	—	—	—	✓	✓
Serial Port Utility	—	—	—	✓	✓
12-bit support	✓	—	—	✓	✓
14-bit support	—	✓	—	✓	✓
PIC18 support	—	—	✓	—	✓

	Order Code	Price Each
PCM - C compiler for PIC16C61-84	791-428	11,744.00
PCW - C compiler for Windows	796-931	38,082.00
PCH - C Compiler for PIC18xxx devices	394-3185	16,691.00
PCWH - C Compiler for Windows	394-3203	43,754.00

BASIC Stamp Development Kit



BASIC Stamp2 is a module that runs easy-to-read BASIC programs. Its features make it ideal for many prototyping and control applications and it is programmed from a standard PC. It becomes a fully autonomous unit once programmed. The Stamp is fully programmable up to 1,000,000 times with retaining capability even after powerdown.

The Kit comprises:-

- A manual covering programming language, examples/detailed applications, Stamp editor software for the PC (manuals may be updated)
- Stamp2 module and project board
- Programming cable

210784

	Order Code	Price Each
Stamp2 development kit	688-680	11,230.00
BASIC Stamp2 module	111-235	4,328.00

PIC Socket Modules



210521

	Order Code	Price Each
ICSP socket module	113-608	22,437.00
PIC12C50x, 50xA, 51x, 67x, CE67x, 16C505 socket module	306-9230	8,333.00
PIC16C505, 51x, 50xA socket module (DIP)	315-4956	9,117.00
PIC16C62 28-pin Socket Module(SOIC/SSOP)	500-7859	10,922.00
PIC16C62, 63, 66, 642, 72, 73, 76, 773, 873, 876 socket module (14 Pin)	315-4919	10,256.00
PIC16C64/74 socket module	445-666	10,256.00
PIC16C71/84 socket module	271-007	12,180.00
PIC17C75x, 18C658 PLCC 68-pin socket module	315-4981	10,256.00
8-pin DFN-S (MLF) adapter for PICStart+ and PROMATE II with AC164012 (445-666) socket module	424-1990	10,922.00
Universal Programming Module for ICD2, PICStart+ and PROMATE II	424-2002	2,730.00
Power supply	110-711	2,283.00
UK mains lead	112-4400	542.00
Lead, European 2.5M, Black	112-4379	393.00

PIC Microcontrollers

Microchip's Latest PICmicro® Microcontroller Product Line

Here follows a carefully selected range from the latest offering of Microchip's PICmicro® family of microcontrollers combining high performance, low cost and small package size to offer one of the best price/performance ratios in the industry. Based on a powerful RISC core, the PICmicro architecture provides users an easy migration path from 8 to 84 pins among all families with little or no code change required. Advanced features available are:

- Sophisticated timing peripherals
- Embedded analogue-to-digital converters (ADCs)
- Extended instruction/data memory
- Communications peripherals (I²CTM/SPITM/USB/CAN and USARTs)
- In-circuit Serial ProgrammingTM technology (ICSPTM)

- Memory technology including one-time programmable (OTP) and reprogrammable (FLASH)
- Advanced analogue features (PBOR, PVLDD, DAC, VREF, Op Amps and PSMC)

Please consult our development tool section for a range of Microchip tools including MPLAB® ICE universal in-circuit emulators; PROMATE® II full-featured device programmer; PICSTART® low-cost development system; MPLAB Integrated Development Environment; MPLAB C Compiler; the MPLAB ICD In-Circuit Debugger and the PICDEM.netTM Internet/Ethernet Demonstration Board.

Should you be unable to find the PICmicro you are looking for, please consult the Microchip's Mature PICmicro® Microcontroller Product Line or contact the Farnell Sales Office.

241371

PIC®12F629/635/675 - FLASH Program Memory, 8-pin MCU



The PIC12F629/635/675 range merge all the advantages of the 12C architecture and the flexibility of FLASH program memory into an 8-pin package. These devices feature a 14-bit instruction set, small package footprint and a wide operating voltage of 2.0 to 5.5 volts. An internal programmable 4 MHz oscillator, onboard EEPROM Data Memory, on chip voltage reference and up to 4 channels of 10-bit A/D is available. These devices are ideal for just about any embedded control application and offer features and intelligence not previously available due to cost and board space limitations.

239088