		Order Code	Price Each
XLT28QFN4	Socket, Transition ICE4000 for 28-Lead QFN	NEW 111-2775	2,427.00
XLT68L1	Socket, Transition ICE4000 for 68-Lead PLCC	435-4140	11,225.00
XLT84L1	Socket, Transition ICE4000 for 84-Lead PLCC	435-4151	11,225.00
ACICE0306	MPLAB-ICE 28Pin SOIC Adapter Plug	NEW 111-2777	3,665.00
ACICE0401	Power supply for use with MPLAB ICE4000, and MPLAB PM3 Programmer	NEW 111-2770	3,505.00

MPLAB-ICE Real-Time Emulator

MICROCHIP

MPLAB-ICE is a high-performance, Real-Time In-Circuit Emulator for the PIC microcontrollers. The system is portable, light weight and connects to a portable or desktop PC parallel port. It provides a migration path for users of PICMASTER Probe kits. The system is designed for easy interchange of processor modules to allow emulation of different processors. MPLAB IDE with MPASM macro assembler, editor, symbolic debugger, project manager with built-in support for high-level languages are also included.

The MPLAB-ICE 2000 features include:
● Full speed Real-Time Emulation
● Programmable clock
● Low voltage operation
● Upto 65,535 breakpoints
● Assembly and C source level debugging
● Program memory emulation and memory mapping capability up to 64K words
● Real-Time trace with up to 32K deep by 128 bit wide buffer

● Trigger/break/trace on internal registers/RAM
● Complex breakpoints with advanced trigger features, including sequential events, AND/OR events, filtered trace, time between events and pass counts
● External trigger input and output for logic analyzer/scope interface
● Time-stamp trace feature
● Code coverage
● Supports all PICmicro package types

The modular system consists of:
● Emulator Pod
● Processor Module
● Device Adaptor
● Translation Socket

Supplied with a universal power supply (100 - 240V, 0.55 - 0.3A, 60/50Hz)UK (240Vac) power supply, 9V, 500mA. UK mains plug lead **439-319**. European mains plug lead **210-699**.

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		Order Code	Price Each
ICE2000	MPLAB-ICE real time emulator	121-393	68,269.00
ACICE0108	MPLAB ICE 2000 USB/Parallel Adapter	NEW 108-4627	6,941.00
PCM14XA0	Processor module for 16F629/675.	430-0828	30,379.00
PCM16XA0	Processor module for 12C50x, 12CE51x, 16C505/ 52/54A/54B/55/56/56A/57/58A/58B	121-435	33,490.00
PCM16XB1	Processor module for 16C62A/63/64A/65A/72/ 73A/74A	326-6825	30,141.00
PCM16XC0	Processor module for 16C554/558/620/620A/621/ 621A/622/622A/CE623/CE624/CE625	121-459	31,146.00
PCM16XH0	Processor module for 16F83/84.	121-502	30,141.00
PCM16XK1	Processor module for 16F873/874/876/877	392-8251	30,379.00
PCM16XP0	Real-Time Emulator Processor module for 16F627/ 628.	352-9060	30,141.00
PCM16XQ1	Real-Time Emulator Processor Module for 16C745/ 765.	352-9071	30,141.00
PCM16XR1	Processor module for PIC16F870/871	424-2014	33,490.00
PCM16XS2	Processor Module for 16F7x	410-3592	30,141.00
PCM16XV0	Processor module for PIC16F877A/876A/874A/873A/872A/871A/870A . .	424-2038	30,379.00
PCM16YE0	Processor Module for 16F818, 819	469-1593	30,379.00
PCM16YG0	Processor Module for PIC16F87/88	NEW 111-2762	31,204.00
PCM16YH0	Processor Module for PIC16F777	NEW 111-2763	31,204.00
PCM17XA0	Processor module for 17C42A/43/44/752/756/ 756A/76x	121-526	30,141.00
PCM18XE1	Processor Module for PIC18F6620/8720/8520/ 6520	501-0895	30,379.00
PCM18XH0	Processor Module for 18F242/252/442/452/2220/ 2320/4220/4320	927-2860	27,004.00
PCM18XJ0	Processor Module for PIC18F1320/1220	501-0913	28,543.00
PCM18XK0	Processor Module for PIC18F6525/6585/6621/ 6680/8525/8585/8621/8680	770-9692	30,379.00
PCM18XL0	Processor Module for PIC18F4X31, 2X31.	770-9706	30,379.00
PCM18XD1	Processor Module for PIC18F2X8/4X8	466-3081	30,379.00
DVA12XP081	Device adapter for 8-pin 12C671/672, CE673/674 PDIP and SOCI (207 mil)	121-540	8,534.00
DVA16PQ441	Device adapter for 44-pin 16C64A/65A/65B/67/ 662/74A/74B/765/77/774, F871/F871A/874/877, 18Cxx2 PQFP and TQFP.	430-0853	15,240.00
DVA16XP180	Device Adapter for 18/20-pin 16C52/54/54A 54B/56/56A/58A/554/558/620/620A/621/ 621A/622/622A/CE623/CE624/CE625/71/710/ 711/715/F83/F84 FDIP, SOIC and SSOP	121-575	8,534.00
DVA16XP183	Real-Time Emulator Device Adaptor for 18 pin 16F627/628 PDIP, SOIC and SSOP	352-9022	11,176.00
DVA16XP186	Device Adapter for PIC16F818/819	469-1600	11,264.00

		Order Code	Price Each
DVA16XP282	Device adapter for 28 Pin 16CG2A/63/642/66/72/ 72A/73A/76/16F870/872/873/876/PIC18CXX2/ PDIP, SOIC,SSOP	334-8581	10,013.00
DVA16XL441	Device adapter for 44-pin 16C65A/67/662/74A/77 PLCC.	121-617	10,578.00
DVA16XP401	Device Adapter for 40-pin PIC16C64A/65A/65B/67/ 662/74A/74B/77/774/874/877/PIC18Cxx2	348-1311	11,264.00
DVA18PQ440	PIC18F4320 44-pin TQFP Device Adapter	NEW 111-2760	13,654.00
DVA18PQ640	PIC18C658 64-pin TQFP Device Adapter	371-6697	14,432.00
DVA18PQ800	PIC18C858 80-pin TQFP Device Adapter	477-6288	16,090.00
DVA18PQ802	PIC18F8680/6680/8565/6585/6621/6525/8621/ 8525 64-pin TQFP/80-pin TQFP Device Adapter	NEW 111-2786	15,777.00
DVA18XP280	PIC18F2220/2320 28-pin Device Adapter	500-7951	11,264.00
DVA18XP400	PIC18F4220/4320 40-pin Device Adapter	501-0860	13,195.00
XLT18SO	18-pin SOIC (300 mil) transition socket	121-710	5,120.00
XLT28SO	28-pin SOIC (300 mil) transition socket	119-921	5,120.00
XLT14SS	14-pin SSOP transition socket	NEW 111-2765	5,259.00
XLT20SS	20-pin SSOP transition socket	119-933	5,080.00
XLT44PT	Processor module for 16F627/628.	423-1417	8,467.00
XLT64PT2	PIC17/18C/18F 64-pin TQFP Transition Socket	371-6752	8,534.00
XLT80PT	PIC18C801 80-pin TQFP Transition Socket	371-6892	9,587.00

* Transition plug not required for this item

ICEPIC/ICEPIC2 —- In-Circuit Emulator (with trace facility)

MICROCHIP

Developed by ex-Microchip system designers, under contract from Microchip, the ICEPIC and ICEPIC2 offer the best value for money In-Circuit Emulators for the PIC microcontroller on the market.

Features: ICEPIC & ICEPIC2
● Full speed, real time emulation to10/ 20MHz
● Single, multiple and procedure step
● Microchip emulation chip inside
● Source level debug in Assembler or 'C'
● Unlimited number of break points
● Display and modify any register (program or data)
● Same interface for all PIC16C5X/ 16CXX
● User selectable processor speeds (via oscillator module)
● Runs under Microsoft Windows 3.X, Win95/98/NT
● Runs with 'MPLAB' IDE

● High speed RS232 interface (57.6Kbps)
● Simple to use toolbar
● Display and work in HEX/DEC/BIN
● Fully compatible with Microchip's software tools
● Full context sensitive help

Additional features: ICEPIC2
● Real-time trace
● Trigger output
● PIC17C emulation upgrade

The ICEPIC and ICEPIC2 are supplied as a system with Power Supply, RS232 cable, software (including WinMPASM assembler) and full supporting documentation.
Each daughter board may be used in conjuction with either ICEPIC or ICEPIC2 (17C4X=ICEPIC2 only) for emulation of the various PIC families as listed. Daughter boards are fully interchangeable and are supplied with the relevant probe header cable with DIP header to plug into the target application circuit board. 790-436 and 790-448 require the user's choice of daughter board.
A demo disk and user manual set is available for in-depth evaluation of what the ICEPIC has to offer.
See Accessories below for power supply options.

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		Order Code	Price Each
ICEPIC2	Emulator with trace facility for PIC16, 17 families, without daughterboard	790-448	48,616.00
ICEPIC-DB74A	Daughterboard for PIC16C6X, 7X families.	630-755	29,169.00
ICEPIC-DB77	Daughterboard for PIC16C66, 67, 76, 77 families.	110-577	29,169.00
ICEPIC-DB84A	Daughterboard for PIC16X8X families.	630-810	24,308.00

Note: The ICEPIC-DBA12C adaptor board is used in conjunction with the ICEPIC-DB5X daughter board as a sub-assembly adapting an 18-pin socket to an 8-pin. ICEPIC and ICEPIC2 do not work with IAR compilers.

*Includes 68 Pin PLCC Plug.

'C' Compiler for PIC17/18

MICROCHIP

The MPLAB-C17 and -C18 are full-featured compilers compatible with MPLAB-IDE, which allows for quick movement between different development and debugging modes from software debugging with MPLAB-SIM to hardware debugging with MPLAB-ICE.
MPLAB-C17 and -C18, designed for PIC17Cxxx and PIC18Cxxx families allow for:
● Code to be written in high level 'C' language using PICmicro libraries
● Use of software stack for max RAM re-usability
● Optimal code space efficiency, without a stack

Semiconductors - Integrated Circuits

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RoHS replacement available

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