



## Demo Kits

Description	Digi-Key Part No.	Price Each
PICDEM™ CAN-LIN 2	DM163011-ND	199.99
PICDEM™ 4	DM163014-ND	129.99
PICDEM™ CAN-LIN 3	DM163015-ND	199.99
PICDEM™ 2 Plus	DM163022-ND	99.99
PICDEM™ 2 Demo Board	DM163024-ND	165.00
PICDEM™ FS USB Demo Board	DM163025-ND	59.99
Low-Power Solutions Demo Board	DM163026-ND	130.00
PICDEM™ Z 2.4GHz	DM163027-5-ND	269.99
PICDEM™ Mechatronics Demo Kit	DM163029-ND	149.99
PICDEM™ LCD 2 Demo Board	DM163030-ND	125.00
PICDEM™ Lab Development Kit	DM163035-ND	124.99
PICDEM™ LCD Daughter Board	MA160011-ND	29.99
Expl 18F87J11 Plug-In Module	MA180020-ND	25.00
PICKIT™ 2, Starter Kit	DM164120-1-ND	23.99
PICKIT™ 2, 44-Pin Demo Board	DM164120-2-ND	23.99
PICKIT™ 2, 28-Pin Demo Board	DM164120-3-ND	24.99
PICKIT™ 2, 18-Pin Demo Board	DM164120-4-ND	23.99
PICKIT™ 2, 64/80-Pin Demo Board	DM164120-5-ND	35.00
PICDEM™ System Management	DM164123-ND	110.00
PICDEM™ Touch Sense 1 Kit	DM164125-ND	139.99
USB Development Kit	DM164127-ND	39.99
PICDEM™ MC LV Dev. Board	DM183021-ND	99.99
PIC18FX22 64/80-Pin TOFP Demo Board	DM183022-ND	59.99
Explorer 16 Dev. Board	DM240001-ND	129.99
Explorer 16 Dev. Board	DM240002-ND	129.99
dsPICDEM.net™ 2	DM300004-2-ND	389.99
dsPICDEM™ 2 Dev. Board	DM300018-ND	99.99
dsPICDEM™ 80P Starter Kit	DM300019-ND	79.99
dsPICDEM™ MC1	DM300020-ND	300.00
dsPICDEM™ 1.1 Plus GP Demo Board	DM300024-ND	299.99
16-Bit, 28-Pin Demo Board	DM300027-ND	79.99

Description	Digi-Key Part No.	Price Each
PIC32MX Starter Kit	DM320001-ND	49.99
16-Bit, 28-Pin Demo Board with ICD2	DV164027-ND	239.98
Explorer 16 Kit	DV164033-ND	299.99
dsPICDEM™ SMPS BUCK Demo Board	DM300023-ND	149.99
PICKIT™ 1	DV164101-ND	36.00
rPIC™ Kit 1	DV164102-ND	135.00
PICKIT™ 2, 20-Pin Demo Kit	DV164126-ND	59.98
PICtail™ Humidity Sensor Demo Board	PIC16F690DM-PCTLHS-ND	50.00
PICtail™ Plus Module	MRF24J40MA-I/RM-ND	9.95
PICDEM™ Z Board	AC163028-ND	18.95
PIC32 Demo Board	DM320003-ND	55.00
PICtail Plus Daughter Board	AC164127-ND	135.00
PICtail Plus Daughter Card	AC164129-ND	80.00
PICtail Plus Daughter Board	AC164130-ND	45.00
PICtail™ Plus Card 2.4GHz	AC164134-ND	18.95
PIC32 Expansion Board	DM320002-ND	72.00
dsPIC Starter Kit	DM330011-ND	59.98
PIC18F4XK20 Starter Kit	DM164124-ND	99.80
SRL MEM Starter Kit	DV243003-ND	79.98
24V 3-Phase Brushless DC Motor with Encoder	AC300022-ND	160.00
PIC32 Starter Board to Explorer 16 PIM Adapter	AC320002-ND	30.00
Ref. Design, Automotive Lighting	APGR0004-ND	30.00
PICDEM™ Touch Sense 2 Development Kit	DM164128-ND	99.99
PICDEM™ 18 Explorer Demo Board	DM183032-ND	99.99
Internet Radio Demo Board	DM183033-ND	99.99
Qwik and Low Board	DM183034-ND	100.00
MPLAB Starter Kit for PIC24F	DM240011-ND	59.98

Description	Digi-Key Part No.	Price Each
dsPICDEM™ MCLV Dev. Board Evaluation Board Voltage Regulator	DM330021-ND	150.00
	SOT223-5EV-VREG-ND	35.00

✓ **NEW!** ◆ **RoHS Compliant**

## Software

Description	Digi-Key Part No.	Price Each
C18 C Compiler	SW006011-ND	495.00
C30 C Compiler	SW006012-ND	895.00
MPLAB C Compiler for dsPIC DSCs	SW006013-ND	495.00
MPLAB C Compiler for PIC24 MCUs	SW006014-ND	495.00
C32 C Compiler	SW006015-ND	895.00
XTEA Battery Authentication	SW163051-ND	5.00
ZENA Network Analyzer Software	SW183052-ND	5.00
Visual FilterLab®	SW300001-ND	249.99
Digital Filter Design Lite	SW300003-EVAL-ND	29.99
Soft Modem	SW300003-EVAL-ND	5.00
Speech Recognition Library	SW300010-EVAL-ND	5.00
Noise Suppression Library	SW300040-EVAL-ND	5.00
Symmetric Key Encryption Library	SW300050-EVAL-ND	5.00
Asymmetric Key Encryption Library	SW300055-EVAL-ND	5.00
Acoustic Echo Cancellation Library	SW300060-EVAL-ND	5.00
Speech Encoding/Decoding Library	SW300070-EVAL-ND	5.00
Line Echo Cancellation Library	SW300080-EVAL-ND	5.00
HI-TECH PICC STD Compiler	SW500005-ND	495.00
PICC Enterprise	SW500006-ND	3795.00
PICC-18 PRO	SW500007-ND	1195.00
HI-TECH PICC-18 STD Compiler	SW500008-ND	495.00
DSPIC/PIPC24	SW500009-ND	895.00
HI-TECH C PRO for PIC10/12/16 MCU Family ANSI C Compiler v9.60PL5	SW500010-ND	1195.00
HI-TECH C PRO for the PIC32 MCU Family	SW500011-ND	1495.00

✓ **NEW!** ◆ **RoHS Compliant**

## FlexiPanel **NEW!** Microcontrollers with Firmware



Description	Digi-Key Part No.	Price Each	FlexiPanel Part No.
TEAclipper/PIC™ Programmer, High-Voltage	658-1027-5-ND	40.32	TEACLIPPER-PIC-HV-PT
TEAclipper/PIC Programmer, Low-Voltage	658-1028-5-ND	35.34	TEACLIPPER-PIC-LV-PT
TEAleaf-USB™ IC Encryption Key, 28-DIL	658-1029-5-ND	11.59	TEALEAF-USB-DIL
TEAleaf-USB IC Encryption Key, 20-SSOP	658-1030-5-ND	9.12	TEALEAF-USB-SS
TEAleaf-USB IC Encryption Key	658-1031-5-ND	40.00	TEALEAF-USB
USB-232™ IC USB Asynchronous Serial UART, 28-DIL	658-1032-5-ND	9.69	USB-232-DIL
USB-232 IC Asynchronous Serial UART, 20-SSOP	658-1033-5-ND	7.41	USB-232-SS
USB-SPI™ IC USB Synchronous Serial SPI, 28-DIL	658-1034-5-ND	12.16	USB-SPI-DIL
USB-SPI IC USB Synchronous Serial SPI, 20-SSOP	658-1035-5-ND	7.41	USB-SPI-SS
USB-I2C™ IC USB Synchronous Serial I2C, 28-DIL	658-1036-5-ND	12.16	USB-I2C-DIL
USB-I2C IC USB Synchronous Serial I2C, 20-SSOP	658-1037-5-ND	7.41	USB-I2C-SS
expandIO-USB™ IC USB I/O Expander, 28-DIL	658-1038-5-ND	13.21	EXPANDIO-USB-FS-DIL-28
expandIO-USB IC USB I/O Expander, 44-TQFP	658-1039-5-ND	12.73	EXPANDIO-USB-PT-FS
expandIO-USB IC USB I/O Expander, 20-SSOP	658-1040-5-ND	7.41	EXPANDIO-USB-SS
USB-DAQ™ IC System Data Logger, 28-DIL	658-1041-5-ND	16.91	USB-DAQ-DIL
USB-DAQ IC System Data Logger, 20-SSOP	658-1042-5-ND	12.16	USB-DAQ-SS
USB-FileSys™ IC System USB FAT File, 28-DIL	658-1043-5-ND	16.91	USB-FILESYS-DIL
USB-FileSys IC System USB FAT File, 20-SSOP	658-1044-5-ND	12.16	USB-FILESYS-SS
USB Evaluation Board	658-1045-5-ND	32.00	USB-EVAL
AccessTouch™ Touch Sensitive Keyed Access IC Controller, 20-SSOP	658-1046-5-ND	13.87	ACCESS-TOUCH-SS
AccessTouch Evaluation Board	658-1047-5-ND	160.00	ACCESS-TOUCH-EVAL

## CCS™ C-Compilers and Debuggers

**C-Compiler for PICmicro® MCUs:** C-Compiler for 128, 148 and PIC18 PICmicro MCUs. This Integrated C Development Environment gives developers the capability to produce efficient code from an easily maintainable high level language. With full standard C compatibility, a full featured Windows IDE with built-in functions and example programs, you will be able to develop embedded solutions for the full line of PICmicro MCUs. **ICD-S40:** This ICD unit communicates to the PC and the debugging software over an RS232 connection and operates at a 40MHz clock frequency resulting in quick debug times (RS232 serial cable included). The ICD-S40 is powered from the target board. The target board needs to supply 5 volts to the ICD. **The ICD-U64** connects to your PC via a USB port and can power your target board. The ICD is powered from: • The USB Bus • Power a board at 5.0V by closing the jumper near the ICD jack inside the unit (The unit must be opened)

Description	Digi-Key Part No.	Price Each	Description	Digi-Key Part No.	Price Each
C-Compiler (PCWH)	429-1000-ND	500.00	In-Circuit Debugger ICD-S40 (Serial)	429-1005-ND	75.00
C-Compiler for 12 bit PIC's	429-1001-ND	50.00	In-Circuit Debugger ICD-U64 (USB)	429-1012-ND <b>NEW!</b>	75.00
C-Compiler for 14 bit PIC's	429-1002-ND	150.00	C-Compiler for MCU DSPIC	429-1007-ND	250.00
C-Compiler for PIC18	429-1003-ND	200.00	C-Compiler for MCU DSPIC with IDE	429-1008-ND	350.00
C-Compiler for 12-14 bit PIC's	429-1004-ND	350.00	C-Compiler (PCWH)	429-1009-ND	600.00

**CCS Wireless-Ember ZigBee™ Edition Development Kit Includes:** • Two sensor boards with PIC16LF896 processor chips and EM260 modules • One base station board with PIC18LF4620 processor chip and EM260 module • Carrying Case • Exercise Booklet and Ember Documentation • In-Circuit Debugger/Programmer • DC Adapters (9VDC) • Serial PC to Prototyping Board Cable • Modular Cable (ICD to Prototyping Board) • USB (or serial) PC to ICD cable • Two 9V batteries

429-1011-ND Wireless-Ember Zigbee™ Kit ..... \$724.00

Feature Comparison	PCB	PCM	PCH	PCW	PCWH
Command Line Compiler	✓	✓	✓	✓	✓
Built-in Functions	✓	✓	✓	✓	✓
Example Programs	✓	✓	✓	✓	✓
Device Drivers	✓	✓	✓	✓	✓
MPLAB Interface	✓	✓	✓	✓	✓
Windows IDE	✓	✓	✓	✓	✓
C Aware Editor	✓	✓	✓	✓	✓
New Project Wizard	✓	✓	✓	✓	✓
Debugger	✓	✓	✓	✓	✓
Device Selector/Editor	✓	✓	✓	✓	✓
Call Tree and Memory Map	✓	✓	✓	✓	✓
Statistics	✓	✓	✓	✓	✓
Special Variables	✓	✓	✓	✓	✓
Serial Port Utility	✓	✓	✓	✓	✓
12bit Support	✓	✓	✓	✓	✓
14bit Support	✓	✓	✓	✓	✓
PIC18 Support	✓	✓	✓	✓	✓

## microEngineering Labs, Inc. PicBasic Pro Compiler

PicBasic Pro converts your BASIC programs into files that can be programmed directly into a PICmicro® MCU. Full support for 14-bit and 16-bit MCUs. Limited support for 12-bit MCUs. The PicBasic Pro Compiler features BASIC commands, direct and library routine access to pins on PORTA, C, D, E, as well as PORTB, arrays, real IF..THEN..ELSE and interrupt processing in BASIC. Includes Code Designer Lite, a Windows integrated development environment (IDE) that is compatible with our PicBasic Pro Compiler. Comes with Software, Manual with instruction set and explanations and directions. Works on any version of Dos or Windows with CodeDesigner Lite. Windows95, 98, 2000, XP and ME compatible. The LAB-X1A is an independent hardware platform, similar to the Microchip PICDEM™. It can run programs written in any language, including C, Assembly, and PicBasic. Includes 40 Pin Zif Socket, LCD display, memory, Rs232 port, Pots for ADCs and many extras.

444-1000-ND PicBasic Pro Compiler ..... \$249.95 444-1001-ND LAB-X1 Experimenter Board ..... \$199.95

~ Exclusive Preview ~  
New Product Available Now!