§ FARNELL **in** one

Semiconductors - Integrated Circuits

23

PIC Development Tools - continued

Programming Adaptors Bluebird Electronics

698-180   698-179   797-005
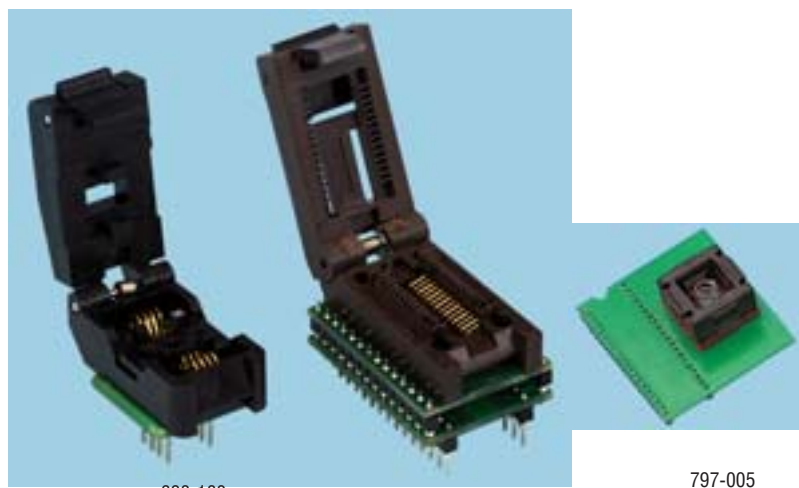
To assist with product development, the following adaptors have been designed for use with the PICSTART Plus programmer.

210877

Mftr.		Order Code	Price Each
BBD	8 pin SOIC to DIL socket module for PICs	**698-180**	6,302.00
BBD	14 pin SOIC to DIL socket module for PICs	**113-554**	6,302.00
BBD	18/28 pin SOIC to DIL socket module for PICs	**698-179**	6,846.00
BBD	44 pin PLCC socket module for PICs	**797-005**	5,735.00
MCHIP	68 pin PLCC socket module for PICs	**306-0809**	8,333.00

dsPICDEM™

§ MICROCHIP

1.1 General Purpose Demonstration Board

The dsPICDEM™ 1.1 General Purpose Demonstration Board provides the application designer with a low-cost development solution to become familiar with the dsPIC30F 16-bit DSC architecture. The development board serves as an ideal prototyping tool to quickly develop and validate key design requirements.

Features:
Key features of the dsPICDEM 1.1 General Purpose Development Board include:
● dsPIC30F6014 Plug-in Sample
● Serial Communication Channels Interface(two UARTs, SPI™, CAN, RS-485)
● Si3000 Voiceband Codec with MIC In/Speaker Jacks
● General Purpose Prototyping Area with Expansion Header
● 122 x 32 Dot Addressable LCD
● MPLAB® ICD 2 and MPLAB ICE 4000 Emulator support
● LED's, Switches and Potentiometers
● Temperature Sensor
● Separate Digital and Analog Voltage Regulators
● Digital Potentiometer for DAC Capability
● RS-232 Cable and Power Supply
● Example Software and Documentation on CD

346900

Mftrs. List No.	Order Code	Price Each
dsPICDEM 1.1 General Purpose Demonstration Board		
DM300014	**734-8509**	20,480.00
dsPICDEM 1.1 General Purpose Demonstration Board with ICD2 In-Circuit Debugger		
DV164032	NEW **111-2778**	26,380.00
dsPIC30F6014 80L Plug-In Module		
MA300011	NEW **111-2744**	1,740.00

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MPLAB® PM3 Universal Device Programmer

MICROCHIP

The MPLAB® PM3 Universal Device Programmer is easy to use and operates with a PC or as a stand-alone unit, and programs Microchip's entire line of PICmicro® devices as well as the latest dsPIC30F DSC devices.

The Key Features include:
● RS-232 or USB interface
● Integrated In Circuit Serial Programming™ (ICSP™) interface
● Fast programming time
● Three operating modes: PC Host mode for full control, Safe mode for secure data and Standalone mode for programming without a PC.
● Complete line of interchangeable socket modules to support all Microchip devices and package options (sold separately)
● SQTP™ serialization for programming unique serial numbers while in PC Host mode.
● Alternate DOS command line interface for batch control
● Supports PROMATE II socket modules via adapter (sold separately)
● Large easy-to-read display
● Field upgradeable firmware allows quick new device support
● Secure Digital (SD) and Multimedia Card (MMC)
● Buzzer notification for noisy environments

346954

Mftrs. List No.	Description	Order Code	Price Each
DV007004	Production Programmer/Development Kit	**698-4150**	57,706.00
AC164301	40L DIP Socket Module for MPLAB	**698-3960**	12,970.00
AC002021	MPLAB PM3 ICSP Cable	NEW **111-2730**	1,472.00
ACICE0401	Power supply for use with MPLAB ICE4000, and		
	MPLAB PM3 Programmer	NEW **111-2770**	3,505.00

MPLAB ICE 4000 High Performance In-Circuit Emulator

MICROCHIP

MPLAB ICE 4000 is a powerful, full featured real-time In-Circuit emulator capable of debugging the most demanding real time systems.

The MPLAB ICE 4000 is intended to provide the product development engineer with a complete microcontroller design tool set for high end PICmicro microcontrollers Software control of the emulator is provided by the MPLAB integrated Development environment, which allows editing, building, downloading and source debugging from a single environment.

The MPLAB ICE 4000 is a premium emulator system providing the features of MPLAB ICE 2000, but with increased emulation memory and high speed performance for dsPIC30F and PIC18XXXX devices.

Features:
● Full speed emulation
● Low voltage emulation down to 1.8 Volts or device limit
● 64K deep X 216-bit wide Trace Memory
● Up to 2 MB of addressable memory
● Unlimited breakpoints
● Complex break, trace and trigger logic
● Multi-level trigger up to 4 levels
● 48- bit time stamp
● Stop watch
● External inputs
● External output to synch with other instrumentation
● USB port and parallel port connection to PC

311393

		Order Code	Price Each
ICE4000	MPLAB ICE 4000 In-Circuit Emulator	**435-4102**	155,349.00
PMF18WE0	ICE4000 Processor Module for 18F8/6XX	NEW **111-2780**	44,331.00
PMF18WS0	ICE4000 Processor Module for PIC18F8722	NEW **111-2754**	41,694.00
PMF30XA1	ICE4000 Processor Module for DSPIC30F	NEW **111-2784**	41,723.00
DAF18-1	ICE4000 Device Adapter for for most PIC18FXXX in 64/84L packages	**435-4138**	14,432.00
DAF18-4	ICE4000 Device Adapter for PIC18F DIP 18/28/40 pin	NEW **111-2748**	14,839.00
DAF30-4	ICE4000 Device Adapter for dsPIC30F DIP 18L/28L/40L	NEW **111-2749**	15,777.00

Prices are in Thai Baht and exclude 7% VAT.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN   M = Magenta   Y = Yellow   B = Black/THAI