PRO MATE[®] II Universal Microchip Device Programmer



File Project Edit Debug	PRO MATE Options Tools Window Help					
	Disable Programmer					
	Program/Verify					
	Read Device					
	Blank Check All		Program Memory Window			
	Blank Check <u>O</u> TP		0000 0000 3099 00FF 2914 3FFF 3FFF 3FFF 3FFF			
🗐 d:\mplab\877rdwr.asi	Display Error Log	_ 🗆 🗙				
;***********	5 0 H	******	PRO MATE Device Programmer			
;* 877rdwr.ASM	Erase Program Memory		Device Specifications F 3FFF 3FFF 3FFF			
;***********	Erase Configuration Bits	*****	Device PIC16F877 Configuration Bits F 3FFF 3FFF 3FFF			
;*	Reset ⊻oltages	1 I	E SEFE SEFE SEFE			
;* General routi		ead/Writ	ID's and Checksum Program Statistics F 3FFF 3FFF 3FFF			
;*	Iransfer to PROMATE		Device ID 7F7F7F7F Pass 000000 F 3FFF 3FFF 3FFF			
,	Transfer from PROMATE	******	F 3FFF 3FFF 3FFF			
;* ;* Microchip Tec	County COTD File		Checksum AD27 Fail 000000 F 3FFF 3FFF 3FFF			
* 11Crochip Tech			Voltages Total 000000 F 3FFF 3FFF 3FFF			
* Assembled wit	Load SQTP File		VDD Min 4,500 V Reset			
;*	Download PRO MATE Operating System		VDD Max 5,500 -			
*************	Establish Communications	******				
	Establish Communications		13.000 • -			
			SQTP File No SQTP File Being Used			
list p=16	F877		ss Symbol Value			
			Blank Read Program Verify char_tenphi H'00'			
• Include	file channe directory if nee	hoh	100ps F 0.0000+00			
	MICROCHIP		40 ramptr H'0000'			
			rfiguration Bits			
			Oscillator RC Background Debug Disabled			
			Watchdog Timer On			
	PRO MATE II					
			Power Up Timer Off Edit ID			
	1. S. 1		Code Protect Off			
			Brown Out Detect On			
			• User Entry			
			.ow Voltage Program Enabled 1F5F6F2F (Hex)			
			Data EE Protect Off Unprotected Checksum			
Manage In Providence			Flash Program Write Enabled			
·						
	1		OK Cancel			
	MICROCHID		OK Cancel			
• ACHERIA			PROM Window			
			100 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 🔳			
			00 F5 32 88 84 82 F7 F9 EF A4 A5 A6 13 18 93 9C 95			
	-		10 FF			
Ln 1 Col 1 17	R0 No Wrap INS PIC16F877 pc:0x00	w.0x00 ···zdcc E	Bk On Sim 4 MHz Debug			

PRO MATE II makes programming easy.

The PRO MATE II device programmer tool allows development engineers to program user software into Microchip Technology's entire line of PICmicro[®] microcontrollers (MCU), HCS Security Products, and 2- and 3-wire serial EEPROM products.

The PRO MATE II device programmer is easy to use and operates either as a stand-alone unit or in conjunction with a PC-compatible host system. When connected to a host system, PRO MATE II provides an exceptionally user-friendly interface to give the developer complete control over the programming session. This time-saving tool comes complete with all the accessories needed to connect to a host system, including interface cables and a universal input power supply.

In addition to the programmer unit, the PRO MATE II system contains Microchip's highly-acclaimed MPLAB® Integrated Development Environment (IDE), with its built-in editor, assembler, and Windows® -based MPLAB-SIM simulator. The PRO MATE II programmer includes full documentation and software.

PRO MATE II is CE compliant, meaning it meets or exceeds all the directives for safety, emissions, electrostatic discharge (ESD) and susceptibility (to radiated emission) requirements set forth by the European Union (EU) countries.

The PRO MATE II device programmer is designed to be robust and reliable, with enhanced socket module alignment with four auto alignment pins, three levels of over-current protection and superior ESD immunity for rugged environments, a small and compact universal IEC power supply, and improved LCD display and buttons.

Features:

- Programs EPROM and/or EEPROM program and data memory for all Microchip PICmicro MCUs, HCS Security Products, and 2- and 3-wire serial EEPROM products
- Designed to operate with the PRO MATE II In-Circuit Serial Programming[™] (ICSP[™]) Kit (sold separately)
- Three operating modes: Host Mode, Safe Mode, and Stand-Alone Mode
- Complete line of interchangeable socket modules supports all package options (sold separately)
- Universal platform can quickly and easily support future Microchip products
- SQTP[™] serialization adds a unique serial number to each device programmed (in PC host mode)
- MPLAB Project Manager support to automatically download object file to PRO MATE II
- MPASM Assembler translates assembler source code to object code for all PICmicro MCU devices
- MPLAB-SIM Windows-based simulator designed to model operation of all PICmicro MCUs
- Indexed on-line help
- Complete documentation including all User's Guides and Microchip's Technical Library CD-ROM
- Supports the serial programming mode in PICmicro MCUs
- Supports a DOS command line interface



PRO MATE® II

Ordering Information:

Model Name: PRO MATE II

Ordering Part Number: DV007003

Devices Supported:

All PICmicro MCUs **HCS Security Products** Serial EEPROMs

Socket Modules and ICSP Kit are sold separately. For a complete list, please contact Microchip or refer to the Development Systems Ordering Guide (DS30177).

Host System Requirements:

PC with Pentium[®] processor or greater Microsoft[®] Windows[®] operating system COM Port

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

System Description:

Microchip's PRO MATE II makes it easy to program the company's entire line of RISC microcontrollers, HCS Security Products, and 2-and 3-wire serial EEPROMs operating either as a stand-alone unit or in conjunction with a PC-compatible host system. When connected to a host system, PRO MATE II provides an exceptionally user-friendly interface to give the developer complete control over the programming session.

The new PRO MATE II software provides many user interface features. These include a "safe mode," where accidental corruption of master code is prevented. and the ability to save and restore "environment" settings. The PRO MATE II system runs with Microchip's popular MPLAB IDE software.

To order or obtain more information about PRO MATE II or any other Microchip product, contact the Microchip sales office nearest you.

Development Tools from Microchip						
MPLAB® IDE	Integrated Development Environment					
MPASM	Universal PICmicro macro-assembler					
MPLINK/MPLIB	Linker/Librarian					
MPLAB-C17	C compiler for PIC17CXXX MCUs					
MPLAB-C18	C compiler for PIC18CXXX MCUs					
C compilers	Sold by third-party vendors (HI-TECH, IAR, CCS)					
MPLAB-SIM	Software Simulator					
MPLAB-ICD	In-circuit Debugger					
ICEPIC	Low-cost in-circuit emulator					
MPLAB-ICE 2000	Full-featured modular in-circuit emulator					
PICSTART® Plus	Entry-level development kit with programmer					
PRO MATE® II	Full-featured, modular device programmer					
KEELOQ [®] Evaluation Kit	Encoder/Decoder evaluator					
KEELoo Transponder Evaluation Kit	Transmitter/Transponder evaluator					
microID [™] Developer's Kit	125 kHz and 13.56 MHz RFID development tools					
MCP2510 CAN Developer's Klt	MCP2510 CAN evaluation/development tool					
MXDEV [™] 1 Analog Evaluation System	Evaluation kit for MCP devices					

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