

# Memory PICtail™ Plus and PIM Modules

## Overview

The Memory PICtail™ Plus and PIM modules are a series of boards designed around Microchip Serial EEPROM devices. The boards are designed to interface with the PICtail Plus connector as well as the MPLAB® Memory Starter Kit and the PICkit™ 2.

## Key Features of the Board

- Follows the published recommended usage for each bus, including decoupling capacitors, pull-up/down resistors
- PICtail Plus connector and PICkit 2 connector
- Test points for oscilloscope connections for firmware debugging. (I<sup>2</sup>C™ and UNI/O® only)
- High density, wide voltage range devices mounted to the board

## Getting Started

The memory PIM modules allow you to get started right out of the box. By using one of the PIM modules with either the MPLAB Memory Starter Kit or the PICkit 2, you can read and write the Serial EEPROM directly. Many of the application notes written for the PIC® microcontroller families will work directly with the corresponding PIM module, by installing the PIM into the PICtail Plus connector on the Explorer 16 Board. The following devices are mounted on the boards.

- 11AA160 – UNI/O®
- 24AA512 – I<sup>2</sup>C™
- 25AA512 – SPI
- 93AA86B – Microwire

### Americas

Atlanta - 678-957-9614  
Boston - 774-760-0087  
Chicago - 630-285-0071  
Dallas - 972-818-7423  
Detroit - 248-538-2250  
Kokomo - 765-864-8360  
Los Angeles - 949-462-9523  
Phoenix - 480-792-7200  
Santa Clara - 408-961-6444  
Toronto - 905-673-0699

### Asia/Pacific

Australia - Sydney - 61-2-9868-6733  
China - Beijing - 86-10-8528-2100  
China - Chengdu - 86-28-8665-5511  
China - Hong Kong SAR - 852-2401-1200  
China - Nanjing - 86-25-8473-2460  
China - Qingdao - 86-532-8502-7355  
China - Shanghai - 86-21-5407-5533  
China - Shenyang - 86-24-2334-2829  
China - Shenzhen - 86-755-8203-2660  
China - Wuhan - 86-27-5980-5300  
China - Xiamen - 86-592-2388138  
China - Xian - 86-29-8833-7252  
China - Zhuhai - 86-756-3210040  
India - Bangalore - 91-80-4182-8400  
India - New Delhi - 91-11-4160-8631  
India - Pune - 91-20-2566-1512  
Japan - Yokohama - 81-45-471-6166  
Korea - Daegu - 82-53-744-4301  
Korea - Seoul - 82-2-554-7200  
Malaysia - Kuala Lumpur - 60-3-6201-9857  
Malaysia - Penang - 60-4-227-8870  
Philippines - Manila - 63-2-634-9065  
Singapore - 65-6334-8870  
Taiwan - Hsin Chu - 886-3-572-9526  
Taiwan - Kaohsiung - 886-7-536-4818  
Taiwan - Taipei - 886-2-2500-6610  
Thailand - Bangkok - 66-2-694-1351

### Europe

Austria - Weis - 43-7242-2244-39  
Denmark - Copenhagen - 45-4450-2828  
France - Paris - 33-1-69-53-63-20  
Germany - Munich - 49-89-627-144-0  
Italy - Milan - 39-0331-742611  
Netherlands - Drunen - 31-416-690399  
Spain - Madrid - 34-91-708-08-90  
UK - Wokingham - 44-118-921-5869

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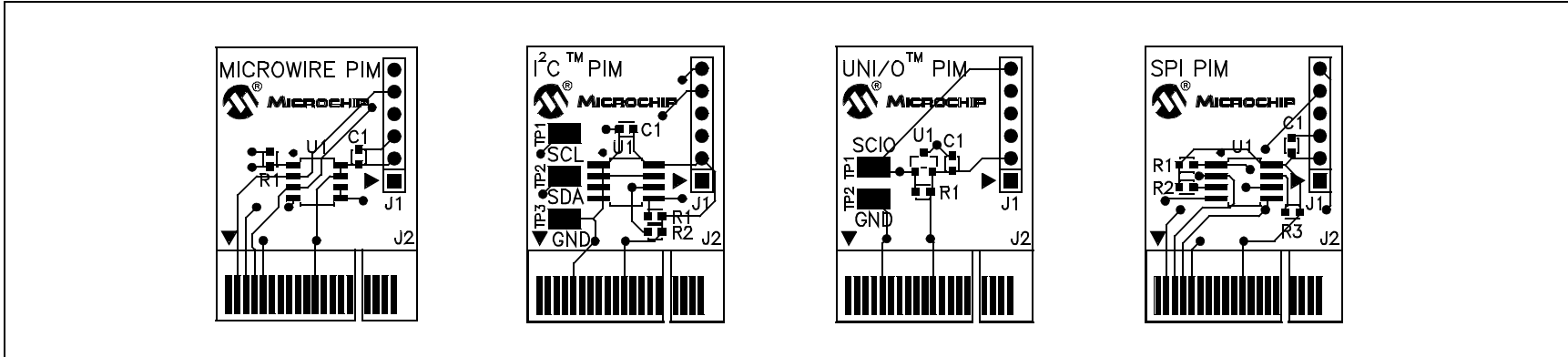


DS22128A

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## Board Configurations

The four boards that make up the kit are shown below:



## Signal Interface

The table below lists the pinouts for the connectors for each of the boards.

Table of Pins

SIGNAL	PICtail™ Plus Connector				PICKit™ 2 Header			
	UNI/O®	I²C™	SPI	MW	UNI/O®	I²C™	SPI	MW
Vcc	21+22	21+22	21+22	21+22	2	2	2	2
Vss	9+10	9+10	9+10	9+10	3	3	3	3
SCIO	8	—	—	—	6	—	—	—
SDA	—	8	—	—	—	6	—	—
SCL	—	6	—	—	—	5	—	—
CS	—	—	2	2	—	—	1	1
MISO	—	—	5	5	—	—	4	4
MOSI	—	—	7	7	—	—	6	6
SCK	—	—	3	3	—	—	5	5

## Other

More information can be found visiting the Microchip web site at <http://www.microchip.com/memory>

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На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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