

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. (I²C™ 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 – I²C™
- 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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Microchip Technology Inc. • 2355 West Chandler Blvd. • Chandler, AZ 85224-6199
www.microchip.com

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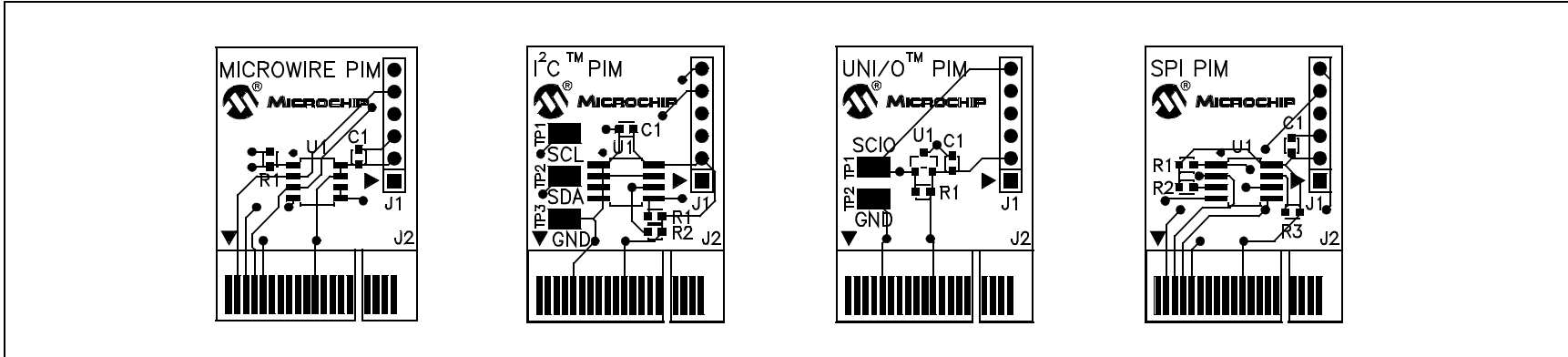


DS22128A

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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>