

I²C EERAM PICtail™ Plus Daughter Board with mikroBUS™ Connector Information Sheet

Americas

Atlanta, GA - 678-957-9614
Austin, TX - 512-257-3370
Boston, MA - 774-760-0087
Chicago, IL - 630-285-0071
Cleveland, OH - 216-447-0464
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Europe

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Denmark - Copenhagen - 45-4450-2828
France - Paris - 33-1-69-53-63-20
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Germany - Karlsruhe - 49-721-625370
Germany - Munich - 49-89-627-144-0
Italy - Milan - 39-0331-742611
Italy - Venice - 39-049-7625286
Netherlands - Drunen - 31-416-690399
Poland - Warsaw - 48-22-3325737
Spain - Madrid - 34-91-708-08-90
Sweden - Stockholm - 46-8-5090-4654
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Australia - Sydney - 61-2-9868-6733
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Overview

The Microchip Technology Inc. 47XXX series of EERAM devices are Serial SRAM with a matching EEPROM backup array. The 47XXX provides infinite read and write cycles to the SRAM while the EEPROM cells provide high-endurance, nonvolatile storage of data. The I²C PICtail Plus daughter board is an evaluation board based around the 47C04 and 47L16 I²C EERAM devices. The board is designed to interface with the Explorer series of development boards, and also with any mikroBUS™ compatible boards.

Key Features of the Board

- 4 Kbit and 16 Kbit I²C Serial EERAM
- Follows the published recommended capacitor selection for the EERAM device
- Test points with probe loops for SCL, SDA, Vcc and GND
- On-board pull-ups for I²C bus operation
- SMD jumper options for 3.3V and 5V operation
- On-board RC filter ensures Vcc ramp rate adheres to data sheet requirements
- 0.1" two-way jumper for VCAP/VCC operation
- PICtail™ Plus and mikroBUS™ connectors

Getting Started

The EERAM PICtail Plus daughter board allows you to get started right out of the box. By using the daughter board and one of the microcontroller development boards that support the PICtail Plus series of connectors, system firmware can be developed quickly using known good hardware.

All of the application notes written for the EERAM family are designed around the EERAM PICtail Plus daughter board. The installed capacitor provides the rated necessary charge for correct AutoStore operation.

Additional Information

For additional information please visit www.microchip.com/EERAM.



Microchip Technology Inc. • 2355 West Chandler Blvd. • Chandler, AZ 85224-6199

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I²C EERAM PICtail™ Plus Schematic

