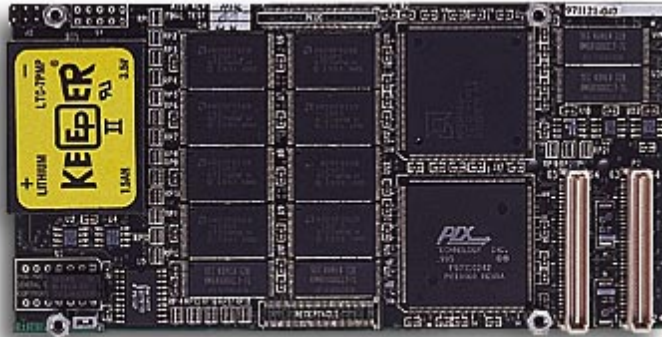


# General Standards Corporation

High Performance Bus Interface Solutions

## PMC-FLASH2

### FLASH AND BATTERY-BACKED SRAM MEMORY



#### *Features Include:*

- 16, 32 or 64 Mbytes FLASH memory options
- Memory is read/writeable on 8, 16 or 32-bit boundaries
- 512 Kbytes of Battery-backed RAM is standard on all options (Non-volatile memory)
- 10 Year life for Battery back-up
- High Performance PLX Interface Chip manages the cPCI interface
- Sample Software available
- Simple Read/Write Statements to Operate the Board

#### *Applications Include:*

- ✓ Code Storage
- ✓ Look-Up Tables
- ✓ Data Logging
- ✓ Boot-Up Code
- ✓ Calibration Data

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## High Performance Bus Interface Solutions

### Functional Description:

The PMC-FLASH-64 board has from 16 to 64 Mbytes of on-board FLASH memory. In addition each board has 512 Kbytes of battery-backed static RAM (non-volatile memory). The PMC-FLASH board is designed to provide additional system non-volatile memory.

### Mechanical and Environmental Specifications:

#### ❑ Power Requirements

FLASH2-16MB typical power consumption: 2.00-3.00 watts at 5VDC

FLASH2-32MB typical power consumption: 3.00-3.50 watts at 5VDC

FLASH2-64MB typical power consumption: 4.50-5.00 watts at 5VDC

#### ❑ Physical Characteristics

Height: 7.0 mm

Depth: 149.0 mm

Width: 74.0 mm

#### ❑ Environmental Specifications

Ambient Temperature Range: Operating: 0 to +55 degrees Celsius  
Storage: -40 to +85 degrees Celsius

Relative Humidity: Operating: 0 to 80%, non-condensing  
Storage: 0 to 95%, non-condensing

Altitude: Operation to 10,000 ft.

#### ❑ Cooling Requirements

200 LFPM minimum air flow across component side of board;

### Ordering Information:

Specify the basic product model number (PMC-FLASH2-X), where "X" is an option code as indicated below. For example, model number PMC-FLASH2-64 describes a board with a total of 64Mbytes of flash memory.

Optional Parameter	Value	Specify Option As:
Flash Memory Size:	8Mbyte	X =8MNV
	16Mbyte	X =16MNV
	32Mbyte	X = 32MNV
	64Mbyte	X = 64MNV

*Note:* A version of the board (PMC-NVRAM-512K) without FLASH and 512 Kbytes of battery-backed SRAM is available.