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Find the *Concurrent Technologies SC PMC/895* at our website: *Click HERE*

PMC BUS

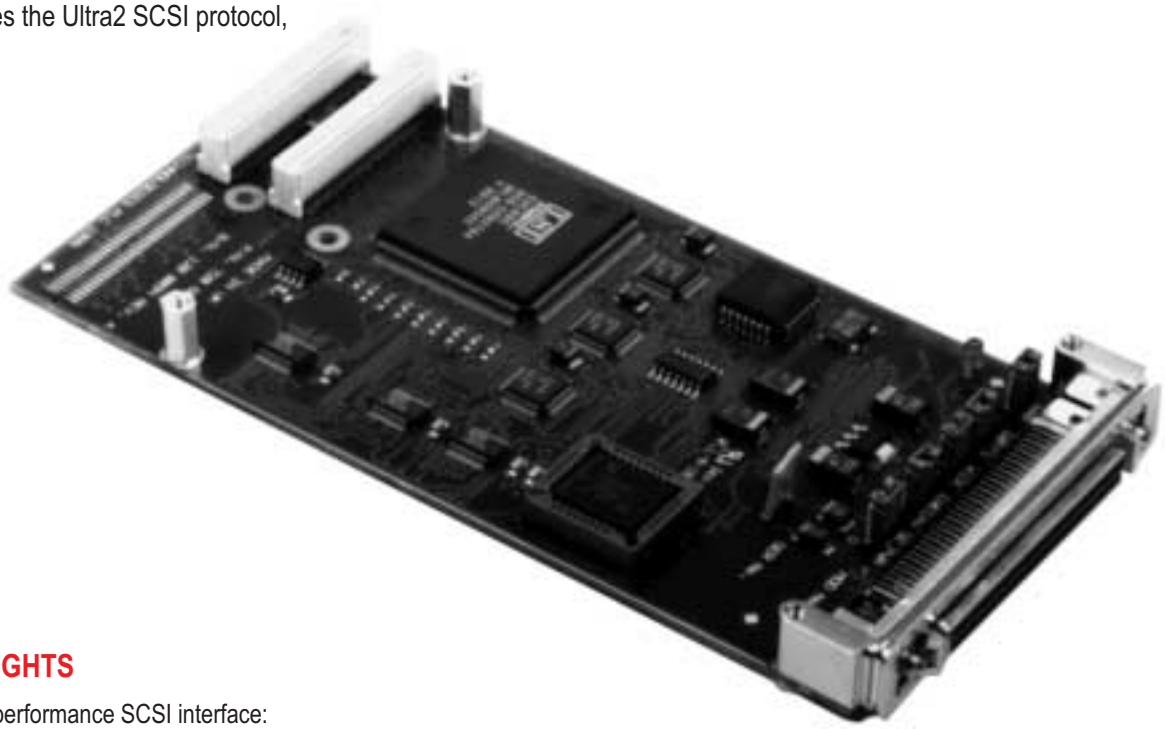
PMC ULTRA2 SCSI ADAPTOR

SC PMC/895

APPLICATIONS

The SC PMC/895 is a high performance, intelligent Ultra2 SCSI adaptor suitable for any PMC Host Board including VME bus, CompactPCI® and Multibus II.

The on-board LSI Logic® 53C895 controller manages the Ultra2 SCSI protocol, as well as the SCSI, SCSI-2, Fast SCSI and Ultra-SCSI protocols, thereby alleviating the processing load of the host CPU. The SCSI interface is accessible through the front panel or through the rear connector.



HIGHLIGHTS

- High performance SCSI interface:
  - Wide Ultra2 SCSI, Ultra2 SCSI
  - Wide Ultra SCSI, Ultra SCSI
  - SCSI-2, Fast SCSI, SCSI
  - data rates up to 80 Mbytes/sec
  - asynchronous or synchronous
  - Single-ended and LVD
  - active termination and signal negation connection via front panel or rear
  - narrow (8-bit) or wide (16-bit)
- 128 Kbytes Flash EPROM for BIOS
- PCI clock rates up to 33MHz
- PMC (PCI Mezzanine Card) format
  - single size CMC
  - 32-bit interface
  - 5 or 3.3 Volt interface
- Software support for Windows NT®, UnixWare®, QNX®, Linux®, Solaris®, VxWorks®
- For use with VMEbus, CompactPCI® and Multibus II PMC Host Boards

CONCURRENT TECHNOLOGIES

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SPECIFICATION

SCSI INTERFACE
- many SCSI standards supported:-
  - Wide Ultra2 SCSI (16-bits) - 80 Mbytes/sec
  - Ultra2 SCSI (8-bits) - 40 Mbytes/sec
  - Wide Ultra SCSI (16-bits) - 40 Mbytes/sec
  - Ultra SCSI (8-bits) - 20 Mbytes/sec
  - Fast Wide SCSI (16-bits) - 20 Mbytes/sec
  - Fast SCSI (8-bits) - 10 Mbytes/sec
  - SCSI (8-bits) - 5 Mbytes/sec
- narrow (8-bit) or wide (16-bit) single-ended or LVD interface with auto-sense capability
- asynchronous or synchronous operation
- active termination and signal negation
- utilizing LSI Logic's 40MHz 53C895 Ultra2 SCSI I/O Processor to provide:
  - 32-bit PCI interface
  - 32-bit DMA bus master with PCI bus data transfer rates up to 110 Mbytes/sec
  - synchronous SCSI data rates up to 80 Mbytes/sec
  - 2MIPs RISC Script Processor
- SCSI I/O connection via:-
  - front panel connector (68-way SCSI connector); or
  - rear of board via J14 connector
- supports disk, tape and other peripherals

PMC (PCI MEZZANINE CARD) INTERFACE
- complies with PCI Protocol Specification
- complies with PCI Electrical Specification
- supports PCI clock rates up to 33MHz
- 5 or 3.3 Volt signalling interface
- 32-bit interface
- bus master capability
- base address and interrupt selection software configurable

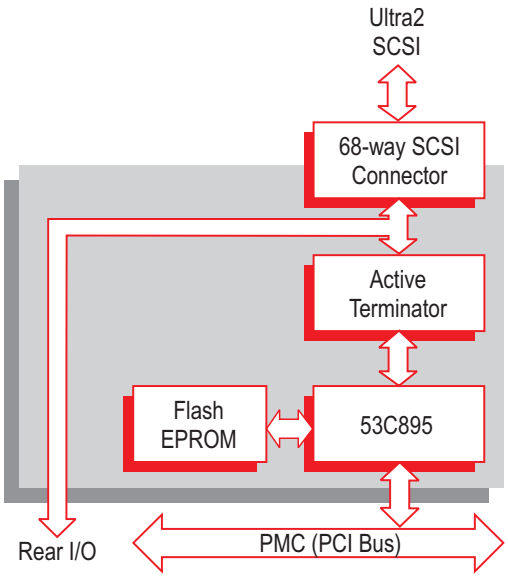
BIOS FLASH EPROM
- 128 Kbytes Flash
- 32-pin JEDEC socket, 8-bits wide
- supporting 29F010 devices
- standard LSI Logic BIOS firmware

SOFTWARE
- support for Windows NT
- support for UnixWare
- support for VxWorks
- support for QNX
- support for Linux
- support for Solaris

ELECTRICAL SPECIFICATION
- all voltages to be within ±5%
- 0.4A (maximum) current consumption at 5Volts (excludes SCSI bus requirements)
- 0.00A at +12Volts and -12Volts (not utilized)

ENVIRONMENTAL SPECIFICATION
- 10°C to +55°C (operating)
- 10% to 90% Relative Humidity (operating)
- -40°C to +70°C (storage)
- 10% to 90% Relative Humidity (storage)

MECHANICAL SPECIFICATION
- single size CMC (Common Mezzanine Card) 75mm x 150mm
- 10mm height stack module



ORDERING INFORMATION

Order Number	Product Description (Hardware)
SC PMC/895-00	Ultra2 SCSI Adaptor for PMC with I/O front panel only
SC PMC/895-10	Ultra2 SCSI Adaptor for PMC with I/O via rear connector and front panel

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