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PMC-USCSI3

ULTRA 160 SCSI PMC

I/O & COMMUNICATIONS

Features

- Single channel HD68 interface
- Supports Ultra 160 SCSI
- Singlewide 32/64 bit, 33/66 MHz PMC; universal voltage signaling
- Up to 160 MB/s throughput
- Supports LVD and single-ended SCSI signals
- Can be mounted in CPUs with stiffener bar
- Selectable Term Power and Terminator enable
- LED indicators for activity, Terminator power, and Terminator active
- Front panel I/O access via 68-pin SCSI-III connector
- SCSI BIOS in socketted Flash
- 64-bit addressing
- Scatter-gather DMA
- Connects up to 15 SCSI devices
- 2kV ESD protection
- Backwards compatibility with Fast SCSI, Ultra SCSI, and Ultra2 SCSI



SBS' PMC-USCSI3 is a singlewide 32/64 bit, 33/66 MHz PCI Mezzanine Card (PMC) providing a single channel high-performance Ultra 160 SCSI adapter solution for a PMC carrier board in VMEbus, CompactPCI, or PCI-based systems. It is ideal for disk, tape, CD-ROM or other storage media and SCSI peripheral application. A 68-pin SCSI-III front-panel connector provides flexible physical I/O access.

PMC-USCSI3 supports single-ended or differential signaling for asynchronous or synchronous SCSI operations. Featuring the LSI Logic LSI53C1000R Ultra 160 SCSI controller, with SCSI SCRIPTS processor support, the PMC allows bus transfer rates up to 160 MB/s synchronous across a 16-bit bus. Additionally, 8 KB of on-chip RAM is available for SCSI SCRIPTS instruction storage to control the SCSI device.

PMC-USCSI3 supports DMA with 944 bytes of FIFO. The FIFO burst length is up to 512 transfers allows maximum bandwidth across the PCI bus. Interrupts are supported via PCI pin INTA#.

The PMC is compliant with standard single-wide PMC specification IEEE P1386.1 and PCI 2.2 specifications.

PMC-USCSI3 is shipped with SCSI BIOS in socketted Flash RAM. Linux, Solaris, and Windows NT/98/2000 are supported.

PMC-USCSI3



Specifications

Form Factor
- Single-wide PMC

PCI Interface
- 33/66 MHz, 32/64-bit
- Master and slave
- 3.3/5.0V universal signaling

Conformance
- PCI Protocol and Electrical Rev. 2.2
- 64-bit PMC Specification IEEE P1386.1

SCSI Controller
- LSI53C1000R

Number of Ports
- One

Protocols
- Ultra 160 SCSI
- Ultra SCSI
- Ultra2 SCSI
- Fast SCSI

Receive/Transmit FIFOs
- 944 bytes total

Front Panel I/O
- HD68 SCSI-III connector

Rear Panel I/O (P4)
- None

Dimensions
- 74.0 mm x 149.0 mm

Weight
- 0.085kg (0.188 lb.)

Power Requirements
- +5 VDC, 120 mA
  +3.3 VDC, 290 mA typical

Temperature
- Operating: 0˚ to +70˚ C
- Storage: -40˚ to +85˚ C

Relative Humidity
- 5% to 95% non-condensing

Ordering Information

Model	Description
PMC-USCSI3	Single channel front panel Ultra 160 SCSI PMC
PMC-USCSI3BP	Single channel back panel Ultra 160 SCSI PMC
PMC-USCSI3CC	Single channel conduction cooled Ultra 160 SCSI PMC

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