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Find the *Abaco Systems / SBS PMC-USCSI320BP* at our website: *Click HERE*

GE Fanuc
Embedded Systems



PMC-USCSI320BP

PMC with ULTRA320 SCSI Controller

Features

- Supports Fast SCSI, Ultra SCSI, Ultra2 SCSI, Ultra 160 SCSI, and Ultra 320 SCSI
- LSI Logic LSI53C1020 SCSI controller
- Synchronous SCSI data rates up to 320 MB/s
- Rear-panel I/O access
- Single-wide 32/64-bit 33/66/100/133 MHz PMC, universal voltage signaling
- LED indicators for Activity, Term Power, and Terminator Active
- Selectable Term Power and Terminator Enable
- Supports LVD and single-ended SCSI signals
- Flash memory for BIOS
- Can be mounted in CPUs that have stiffener bars
- Support for Linux, Solaris, LynxOS, and Windows NT/98/2000; drivers available from third party vendors

PMC-USCSI320BP is a single channel, high-performance ULTRA320 SCSI adapter solution for a PMC carrier board in VME, CompactPCI, or PCI/PCIX-based systems. It is ideal for disk, tape, CD-ROM or other storage media and SCSI peripheral applications. These PMCs support single-ended or differential signaling for asynchronous or synchronous SCSI operations. Flexible physical I/O access is available via the P4 PMC connector and a PIM-USCSI3 module with 68-pin SCSI-III connector.

The PMC-USCSI320BP features the LSI Logic LSI53C1020 ULTRA320 SCSI controller with SCSI SCRIPTS processor support. It allows bus transfer rates up to 320 MB/s synchronous across a 16-bit bus. The card supports DMA with 256 bytes of FIFO. Interrupts are supported via PCI pin INTA#.

PMC-USCSI320BP cards are compliant with standard single-wide PMC IEEE P1386.1 and PCI 2.2 specifications, and PCI-X Addendum R1.0a.

A conduction cooled version of the PMC-USCSI320BP is available.

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PMC-USCSI320BP PMC with ULTRA320 SCSI Controller

Specifications

Form Factor
- Single-wide PMC

PCI/PCI-X Interface
- 33/66/100/133 MHz, 32/64-bit, master/slave
- 3.3/5V universal signaling

Conformance
- 64-bit PMC specification IEEE P1386.1
- PCI-X Addendum Rev. 1.0
- PCI Protocol and Electrical Rev. 2.2

SCSI Controller
- LSI53C1020

Number of SCSI Ports
- One

Protocols
- Fast SCSI, ULTRA SCSI, ULTRA2 SCSI, ULTRA160 SCSI, and ULTRA320 SCSI

Maximum Data Rate
- 320 MB/s synchronous using wide transfers

SCSI Bus Types
- Single-ended and LV differential

DMA FIFOs
- 256 bytes total

Front Panel I/O
- None

Rear Panel I/O (P4)
- Via PIM-USCSI3 module

Power Requirements
- +3.3 VDC at 1.4A (typical)
- +5 VDC at .177A (typical)

Dimensions
- 74.0 mm x 149.0 mm

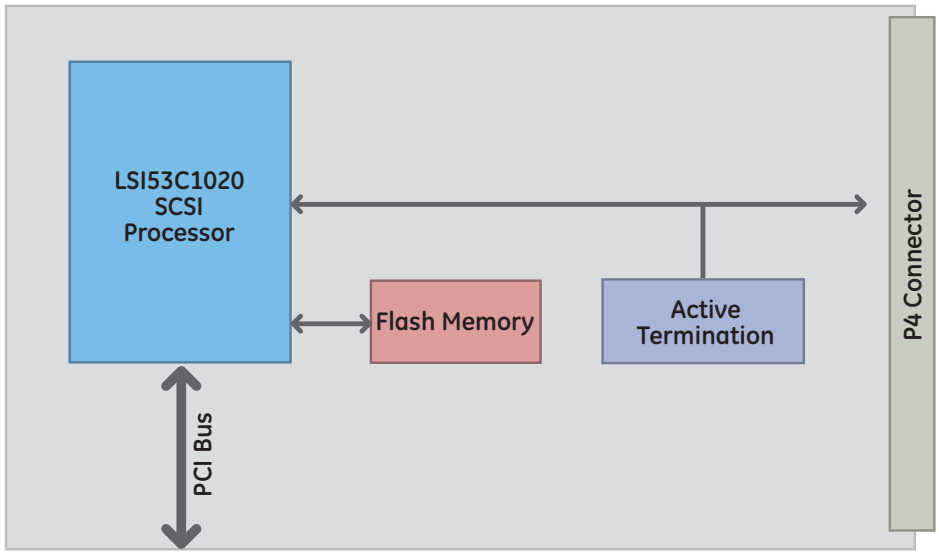
Weight
- 0.085 kg (0.1875 lbs)

Temperature
Air Cooled
- Operating: 0° to +70° C
- Storage: -40° to +85° C

Conduction Cooled
- Operating: -40° to +85° C
- Storage: -40° to +85° C

Humidity
- 5% to 95%, non-condensing

Block Diagram



Ordering Information

11080-301
PMC-USCSI320BP single channel ULTRA320 SCSI PMC rear panel I/O

11080-302
PMC-USCSI320BP single channel ULTRA320 SCSI PMC with conduction cooling, extended operating temperature range, conformal coating, and rear I/O access

PIM-USCSI3
PIM module with 68-pin SCSI connector

PP-600
Dual PIM carrier

About GE Fanuc

GE Fanuc Embedded Systems is a leading global provider of embedded computing solutions for a wide range of industries and applications. Featuring a comprehensive offering that includes Intel- and PowerPC®-based SBCs and complete I/O systems, industry-leading communications technology, industrial, rugged flat panel monitors and computers and more, GE Fanuc Embedded Systems can support your full range of embedded computing needs. Whether you require a standard product or a fully customized solution, GE Fanuc Embedded Systems can provide the breadth, experience and 24/7 support to make you successful. For more information, visit www.gefanucembedded.com or call 1-800-GE Fanuc.

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Additional Resources

For more information, please visit the GE Fanuc Embedded Systems web site at:

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