

VSC205

VITESSE

LVD SCSI Enclosure Management Controller



APPLICATIONS:

- ▶ SCSI JBODs
- ▶ Disk Arrays
- ▶ RAID subsystems
- ▶ Servers

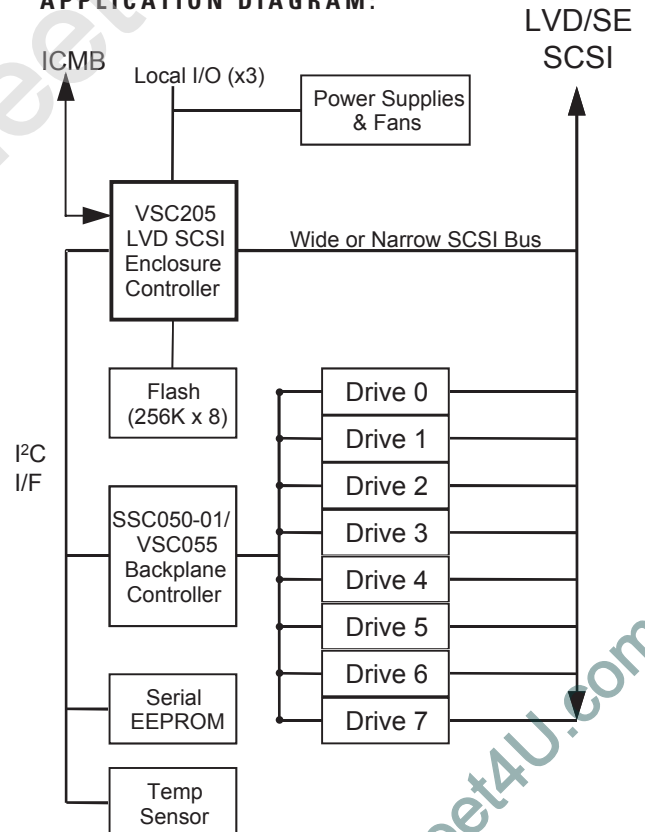
FEATURES:

- ▶ Device:
 - Integrated SCSI Controller with LVD or Single Ended Operation Over a Wide SCSI Bus
 - Target and Initiator Mode with Wide SCSI Arbitration and Selection Support
 - Disconnect and Reselect Support Minimizing SCSI Bus Connect Time
 - Three I²C Serial Interface Controllers
 - 32-bit, 40Mhz RISC CPU w/debug Port
 - IPMI 1.x Compatible
 - RS-232 Monitor Port
 - Four External 1MB Address Ranges
 - Up to 28 Programmable General Purpose I/Os
- ▶ Software Development Kit (SDK):
 - Modular Architecture to Support Migration to Other I/O Technologies and Protocols
 - Extensive Peripheral Device Library
 - Sample Personality Module Source Code

SPECIFICATIONS:

- ▶ 160-pin PQFP Package
- ▶ External Flash and/or SRAM (60ns to 250ns)
- ▶ Two integrated 8K Byte User Data SRAMs

APPLICATION DIAGRAM:



LVD SCSI Enclosure Management Controller

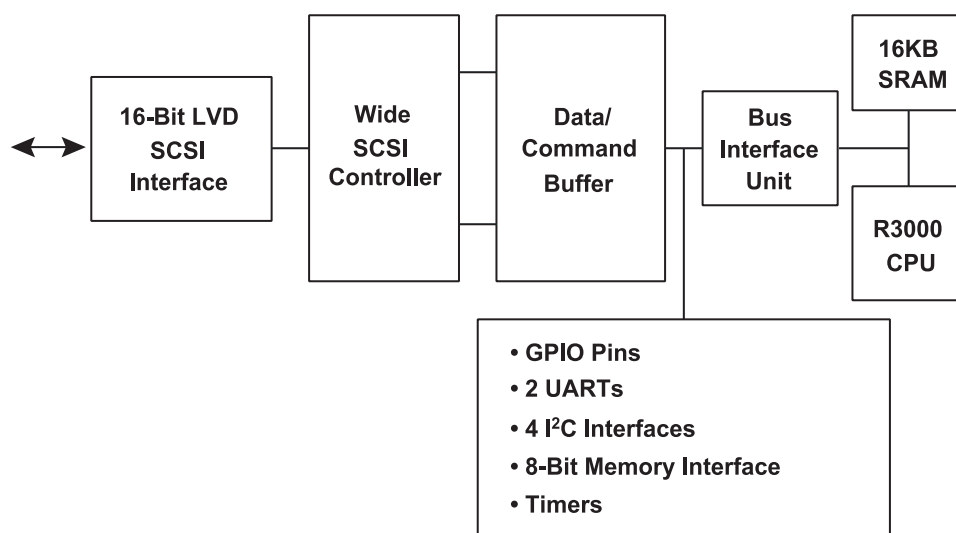
GENERAL DESCRIPTION:



The VSC205 is a SCSI enclosure management controller for peripheral storage applications. This device supports in- and out-of-band management strategies. The VSC205 implements in-band SES and SAF-TE enclosure management via the integrated SCSI interface. Out-of-band solutions are possible using IPMI (Intelligent Platform Management Interface),

RS-232, 10/100 Ethernet, or through a customer unique approach. JBOD disk array and RAID subsystem developers are provided a common hardware and software platform, which supports all subsystem diagnostic and enclosure management strategies. The VSC205 may be used as the master controller of an I²C serial interface communicating with scalable slave backplane controllers such as the Vitesse VSC055 and other industry standard I²C devices.

BLOCK DIAGRAM:



For more information on Vitesse Products visit the Vitesse web site at www.vitesse.com or contact Vitesse Sales at (800) VITESSE or sales@vitesse.com