

SSC050-01

VITESSE

I²C Backplane Controller



APPLICATIONS:

- ▶ Any Embedded Control Application Including:
 - SCSI and Fibre Channel JBODs or SBODs
 - Disk Arrays
 - RAID Subsystems
 - Servers
 - Telecommunication Equipment

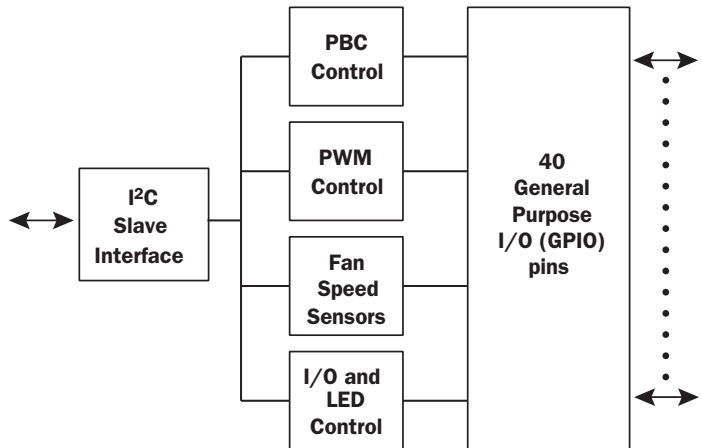
FEATURES:

- ▶ Up to 40 Bits of 5 Volt Tolerant, User-definable, Bi-directional General Purpose I/O
- ▶ Slave mode I²C serial interface
- ▶ Flexible FC-AL Port Bypass Control Logic
- ▶ Four Programmable Fan Speed Monitoring Inputs
- ▶ Four Programmable Pulse Width Modulated Fan Control Outputs
- ▶ Pairing of GPIO Pins for Direct Input/Output Signal Routing/Buffering
- ▶ Selectable Direct LED Drive Flashing Capability
- ▶ Pin-programmable Addressing for up to 16 Devices on a Single Serial Bus

SPECIFICATIONS:

- ▶ 64-pin PQFP Package
- ▶ 10Mhz Clock Input

SSC050-01 BLOCK DIAGRAM:



I²C Backplane Controller

GENERAL DESCRIPTION:

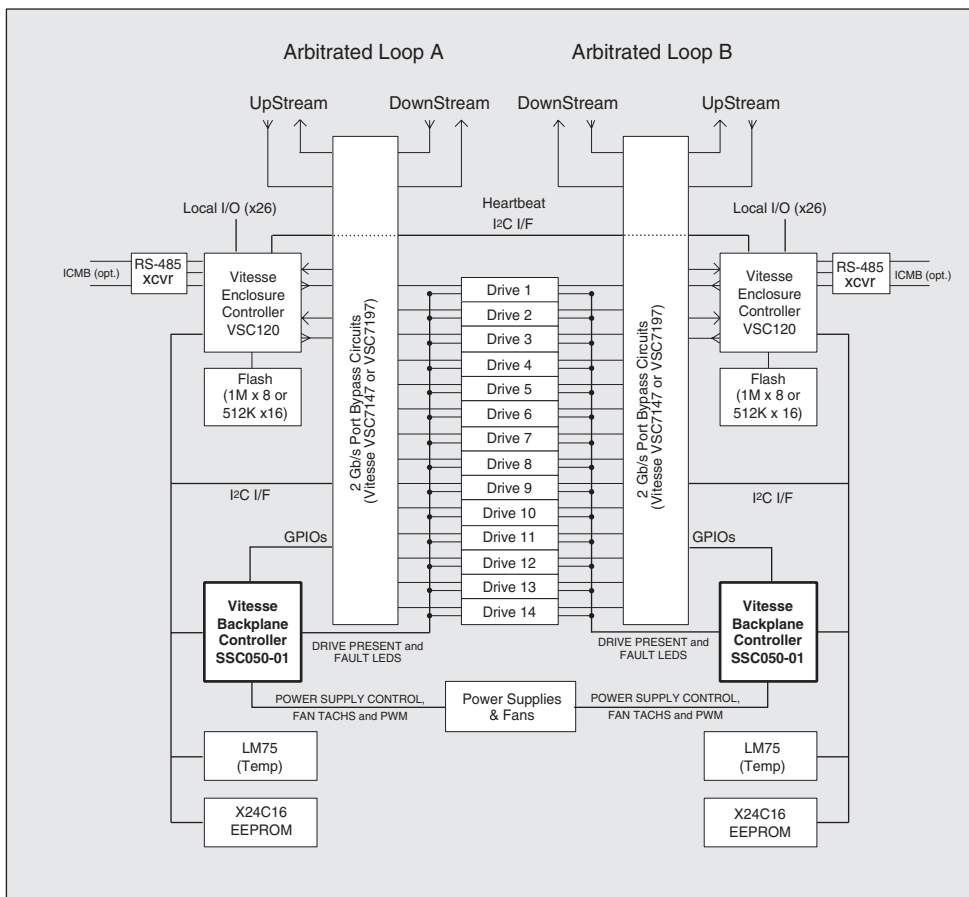


The SSC050-01 I²C Backplane Controller is an integrated CMOS circuit that significantly reduces system cost by integrating all of the digital logic typically required to monitor a storage enclosure. The SSC050-01 may be used in any embedded control application including parallel SCSI, Fibre Channel or any other application where the monitoring and control of a large number of digital I/O signals is required. Programming the

SSC050-01 is easy through a convenient programming model, which reduces the overall duration of the design-in cycle. Data is read from and written to the device over an addressable I²C serial interface, allowing multiple SSC050-01 devices on a single two-wire bus.

Furthermore, a key strength of the SSC050-01 is the ease in which it interoperates with Vitesse Fibre Channel port bypass circuits (PBC) and Enclosure Management Controllers, to provide a complete storage control chipset.

SSC050-01 APPLICATION 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