MG9085 Backplane Controller with USB, SGPIO, SES AND IBPI

General Description

The MG9085 is a low-cost, ultra-small, single-chip Solution with USB support for use on SAS and SATA Backplanes for up to 4 drives per backplane. Cascaded controllers can support up to 8 drives.

LED management can utilize the SGPIO protocol or SES-2, which leverages the SMBUS between SCSI initiator and MG9085 (SEP).

True Single Chip Solution – None of these components needed:
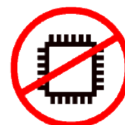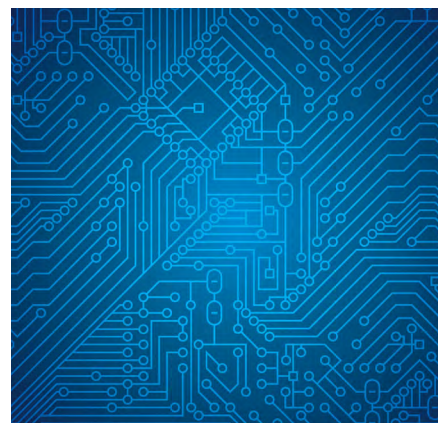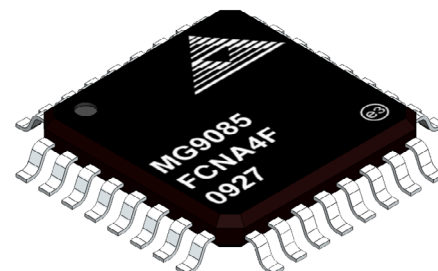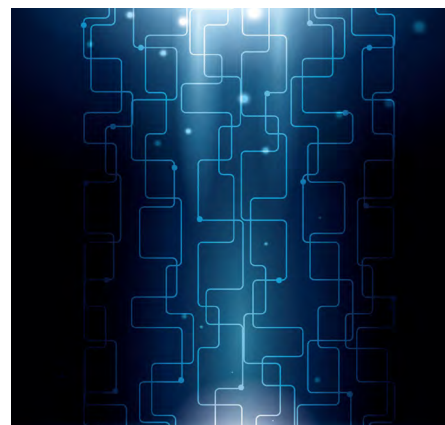
Crystal Flash Regulator EEPROM

LED Driver FRU Level Shifter

Featuring

- Provides drive Activity, Fail/Rebuild and Locate LEDs

- Support for Drive Ready LED signal, to show Activity in non-RAID environments Built in Regulator for 5V operation. (Supply range 5.5V-2.7V)

- Small LQFP-32 Package (9mm X 9mm)

- SES-2 support over SMBus

- Supports SGPIO Specification SFF-8485

- Supports IBPI Specification SFF-8489

- Directly drives 2 LEDs for up to 6 slots

- Directly drives 3 LEDs for up to 4 slots

- Global Activity & Global Fail LED

- Internal Oscillator (no external crystal needed)

- Part ships ready to use, no firmware or programming required

- USB 2.0 compliant support for Status, Monitoring, Diagnostic, and FW update Firmware Upgradeable or Configurable through USB

- Diagnostics and FW tools available for Win32, Win64, Linux, EFI and DOS

For more information please visit the request form at ami.com/contact

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