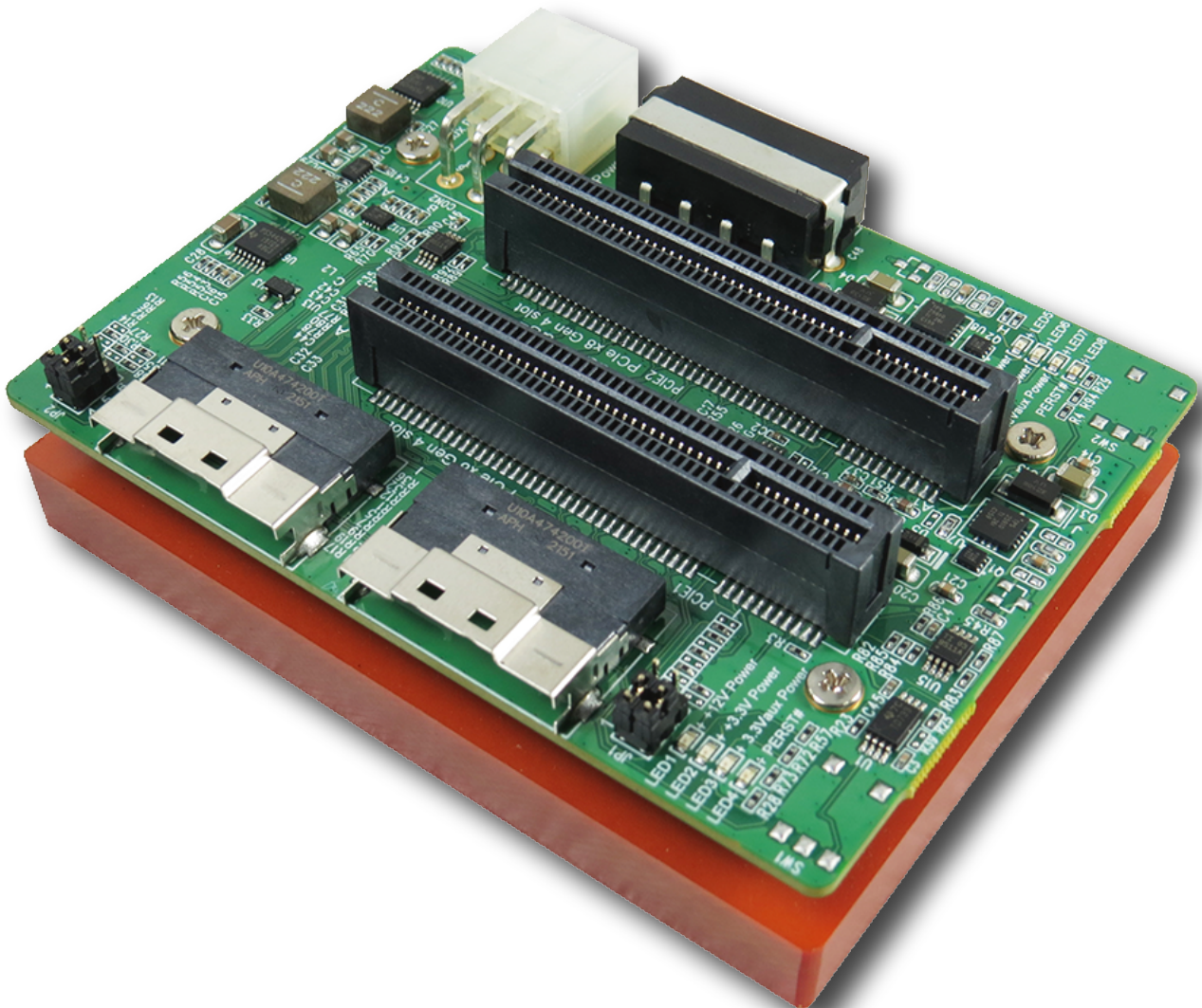


Innocard

Minerva

GD9603A

SlimSAS 8i x2 to PCIe x8 Gen 4 Slot dual port Adapter



SlimSAS 8i to *PCIe Gen 4* x8 Slot Adapter

Features

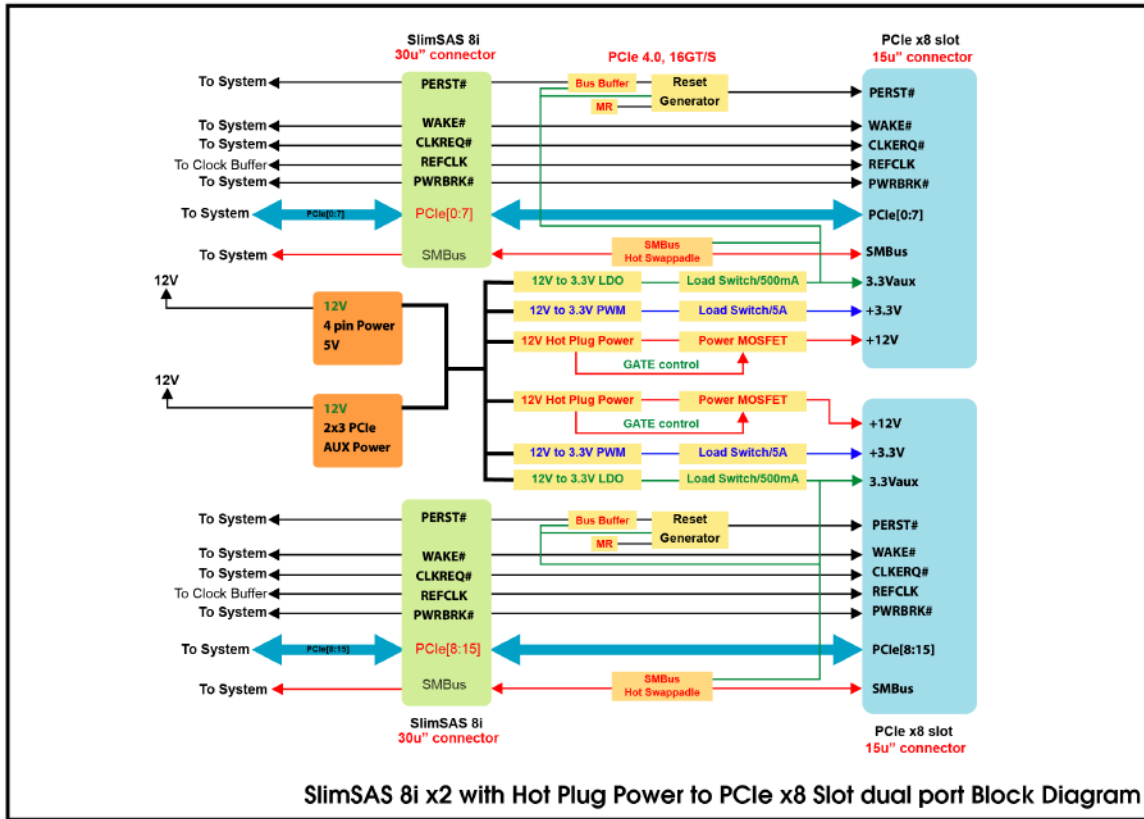
- ※ SlimSAS 8i(SFF-8654) x2 to PCIe x16 convert
- ※ Built-in SlimSAS 8i(SFF-8654), 30u" dual port connector
- ※ Built-in PCIe x8, 15u" dual port Slot
- ※ Built-in PCIe PERST# Bus Buffer
- ※ Support PCIe PERST# manual reset & generator
- ※ Built-in SMBus Hot Swappable 2-Wire Bus Buffer
- ※ Supports I/O card insertion into a live PCIe Slot without corruption of the data and clock busses
- ※ Built-in +12V Hot Plug Power with eFuse protection for PCIe +12V
 - ◆ Programmable Current Limit: 6.5A
 - ◆ Programmable Inrush Current Slew Rate
 - ◆ Thermal shutdown protection and fault alert
 - ◆ Back-to-Back (B2B) FET Operation
- ※ Built-in 12V output with 30-V, N channel NexFET power MOSFET, 32m ohm
- ※ Built-in 12V output with Schottky Barrier Power Rectifier
- ※ PWM synchronous 12V to 3.3V buck converter Power
 - ◆ 4A maximum output current
 - ◆ Over Current Protection
 - ◆ Under Voltage Protection
 - ◆ Under voltage lock out protection (UVLO) monitors
 - ◆ Thermal shutdown protection
 - ◆ ESD Human Body Mode(HBM)/2KV
- ※ Built-in 3.3V Power Load Switch for PCIe +3.3V
- ※ 12V to 3.3V, 500mA LDO buck converter Power
- ※ Built-in 3.3V Power Load Switch for PCIe 3.3Vaux
- ※ Supports SlimSAS 8i BP_TYPEA, BP_TYPEB Pull up for Broadcom 95xx PCIe 4.0 MegaRAID and HBA Tri-Mode Storage Adapters
- ※ Supports SlimSAS 8i CPRSNTA#, CPRSNTB# Pull Low for Broadcom 95xx PCIe 4.0 MegaRAID and HBA Tri-Mode Storage Adapters
- ※ LED1, LED5 PCIe +12V power ready
- ※ LED2, LED6 PCIe +3.3V power ready
- ※ LED3, LED7 PCIe 3.3Vaux power ready
- ※ LED4, LED8 indicate PERST# signal for LED function intentionally inverted (LED OFF - normal)

Specifications

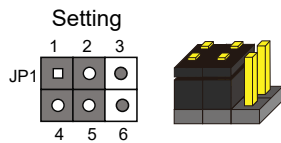
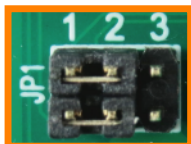
- ※ Support PCI Express Base Specification Rev 4.0
- ※ Compliant with PCIe_CEM_SPEC_R4_V1_0_08072019_NCB
- ※ Compliant with SFF-8654 Rev1.2
- ※ Compliant with SFF-9402 Rev1.1
- ※ Support Broadcom Compliant with SFF-9402 Rev1.1

SlimSAS 8i to PCIe Gen 4 x8 Slot Adapter

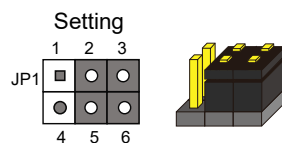
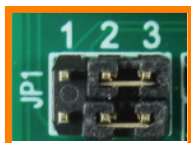
Block Diagram



GD9603A Jumper Application



1-2	ON	PWRBRK#@Connect PCIe B30 pin to SlimSAS 8i B8 pin
4-5	ON	CLKREQ#@Connect PCIe B12 pin to SlimSAS 8i A12 pin



2-3	ON	for Broadcom 95xx Sereis MegaRAID and HBA Tri-Mode Storage Adapters
5-6	ON	for Broadcom 95xx Sereis MegaRAID and HBA Tri-Mode Storage Adapters

