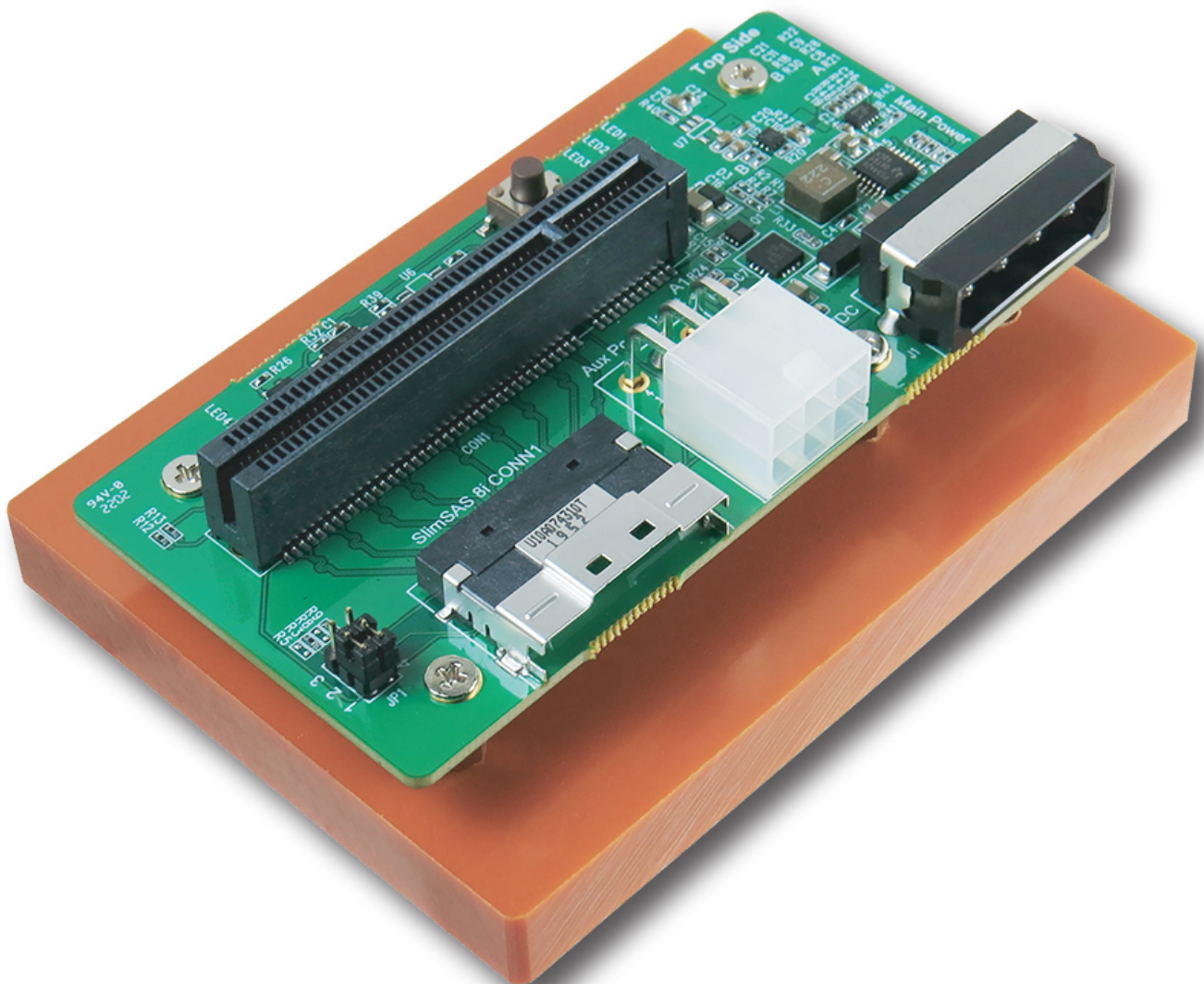


Innocard

Minerva

GD9802A

SlimSAS 8i (SFF-8654) to *PCIe Gen 4* x8 Slot Adapter



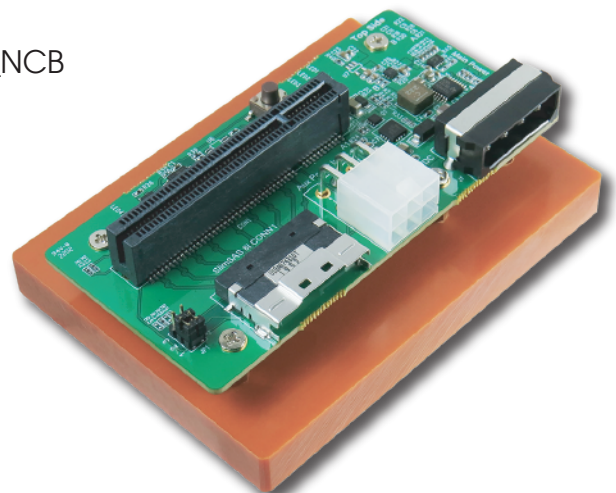
SlimSAS 8i to *PCIe Gen 4* x8 Slot Adapter

Features

- ※ SlimSAS 8i(SFF-8654) to PCIe x8 convert
- ※ Built-in SFF-8654 8i connector, pin-out defined by SFF-9402 Rev1.1
- ※ Built-in PCIe x8 Slot
- ※ 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
- ※ 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 LDO buck converter Power
- ※ Built-in 3.3V Power Load Switch for PCIe 3.3Vaux
- ※ Built-in SMBus Hot Swappable 2-Wire Bus Buffer
- ※ 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 PCIe +12V power ready
- ※ LED2 PCIe +3.3V power ready
- ※ LED3 PCIe 3.3Vaux power ready

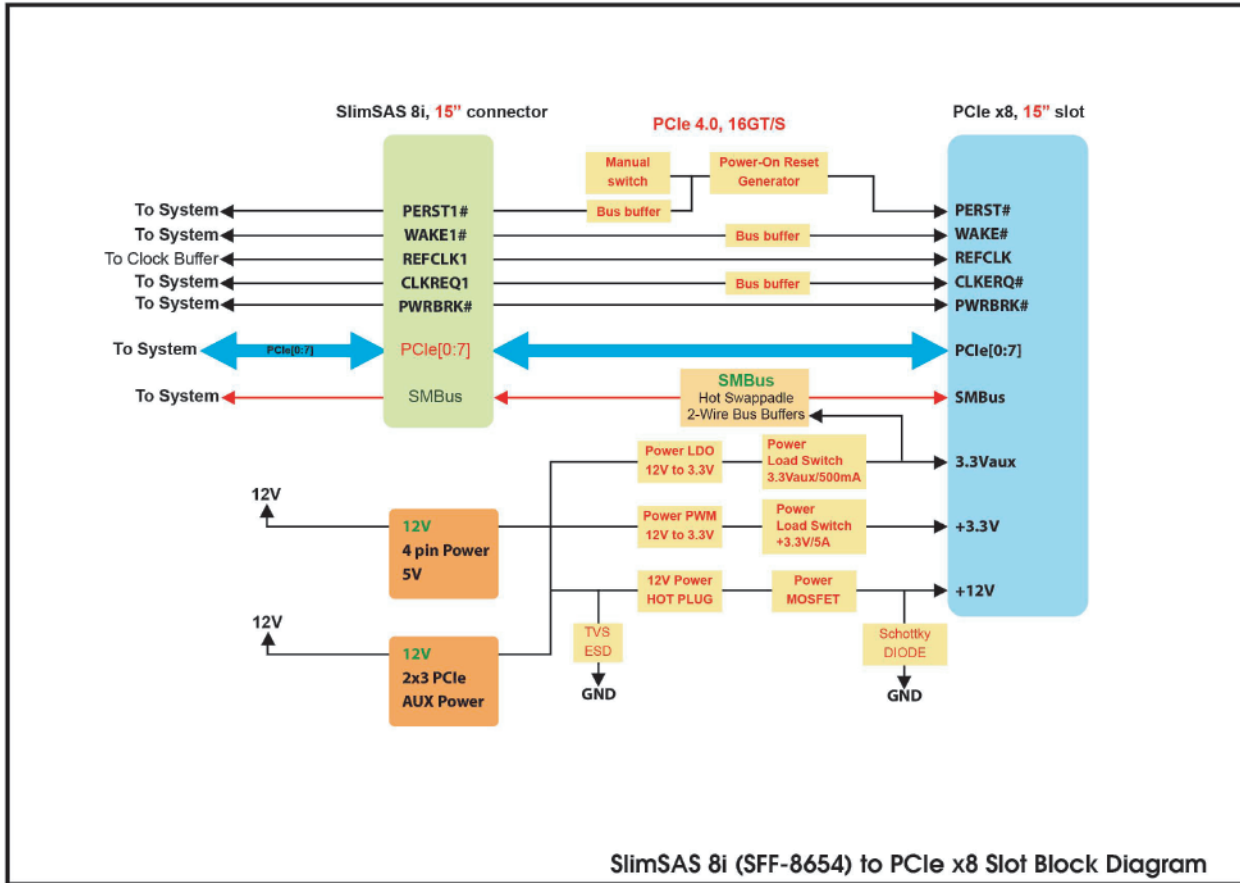
Specifications

- ※ 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



GD9802A Jumper Application

Setting

1	2	3
4	5	6

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

Setting

1	2	3
4	5	6

2-3	ON	BP_TYPE B8 pin pull High for Broadcom 95xx Sereis RAID Card
5-6	ON	CPRSNT# A12 pin pull Low for Broadcom 95xx Sereis RAID Card

