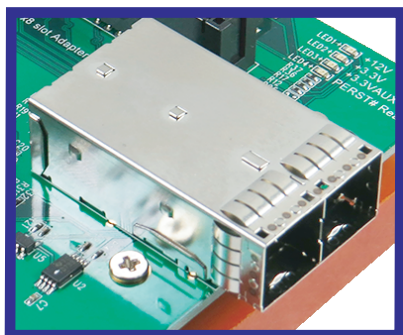
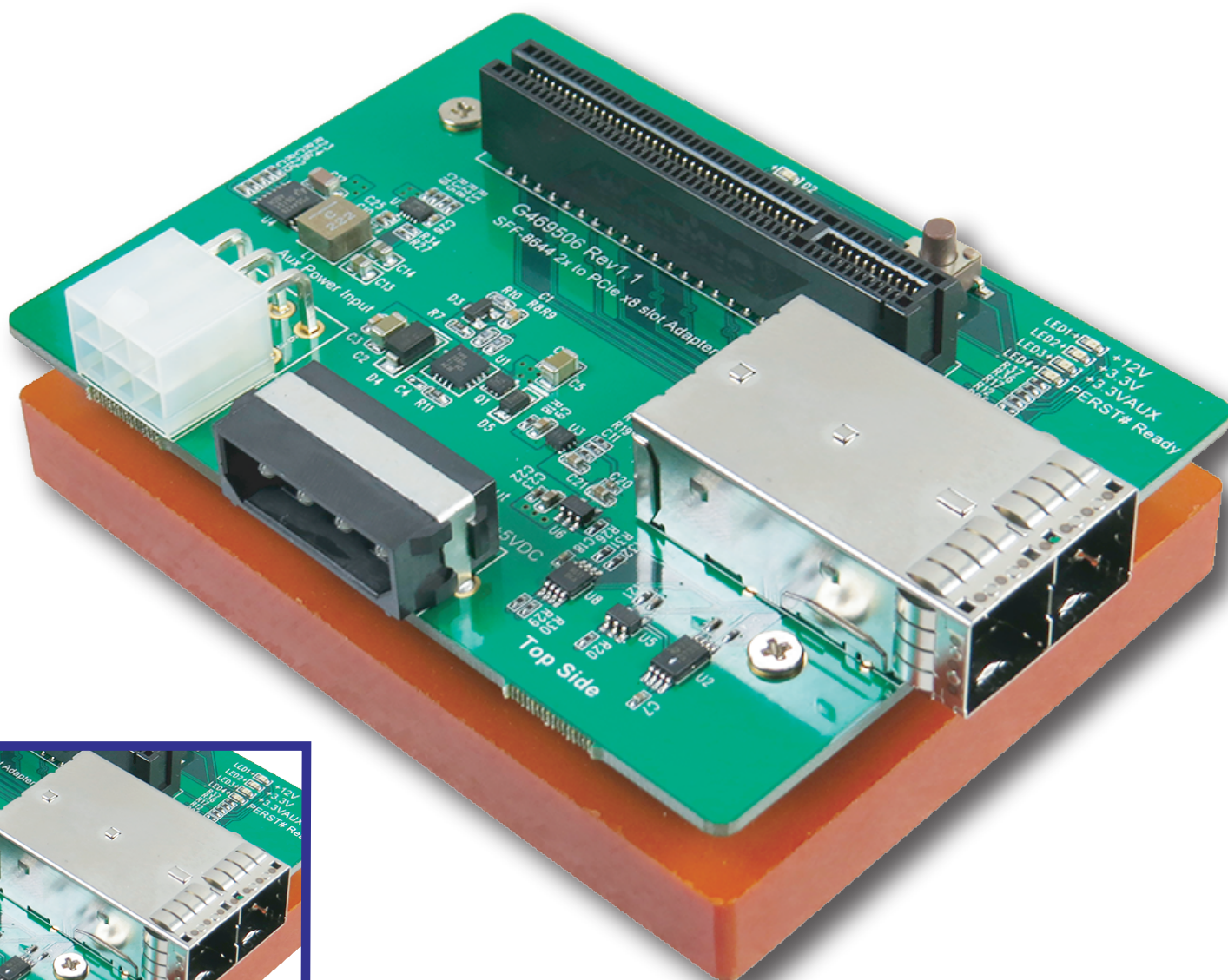


Minerva

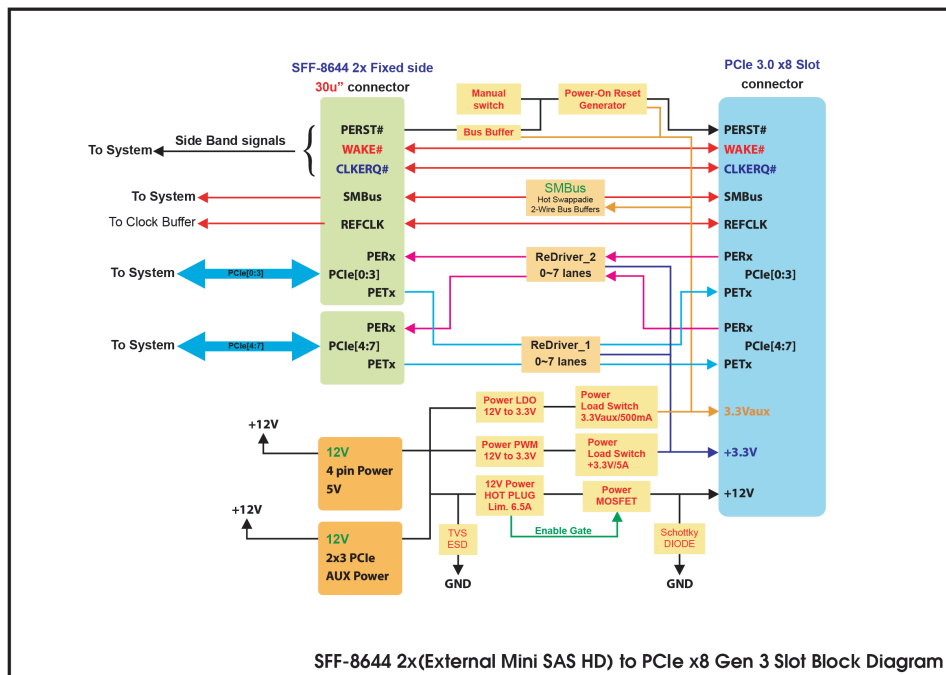
PF807A

External Mini SAS HD 8x to PCIe 3.0 x8 Solt Adapter



External Mini SAS HD 8x

External Mini SAS HD 8x to PCIe 3.0 x8 Solt Adapter



Features

- ✧ External miniSAS 2x(SFF-8644) to PCIe x8 convert
- ✧ Built-in SFF-8644 2x connector
- ✧ Built-in PCIe x8 Slot
- ✧ Built-in +12V Hot Plug Power with eFuse protection for PCIe +12V power rail
 - ◆ 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 input with 400W TVS(TRANSIENT VOLTAGE SUPPRESSOR) ESD protection
- ✧ Built-in 12V output with 30-V, N channel NexFET power MOSFET, 32 m 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 Load Switch for PCIe +3.3V, 5A power rail protection
- ✧ 12V to 3.3V LDO buck converter Power
- ✧ Built-in 3.3V Load Switch for PCIe 3.3Vaux, 500mA power rail protection
- ✧ Built-in SMBus Hot Swappable 2-Wire Bus Buffer include Hot Board Insertion
- ✧ LED1 PCIe +3.3V power ready
- ✧ LED3 PCIe 3.3Vaux power ready
- ✧ LED4 PCIe +3.3V power ready

Specifications

- ✧ PCI Express Base Specification Rev 3.0
- ✧ PCIe CEM Rev3.0
- ✧ PCI_Express_External_Cabling_R3.0a_06042020_NCB