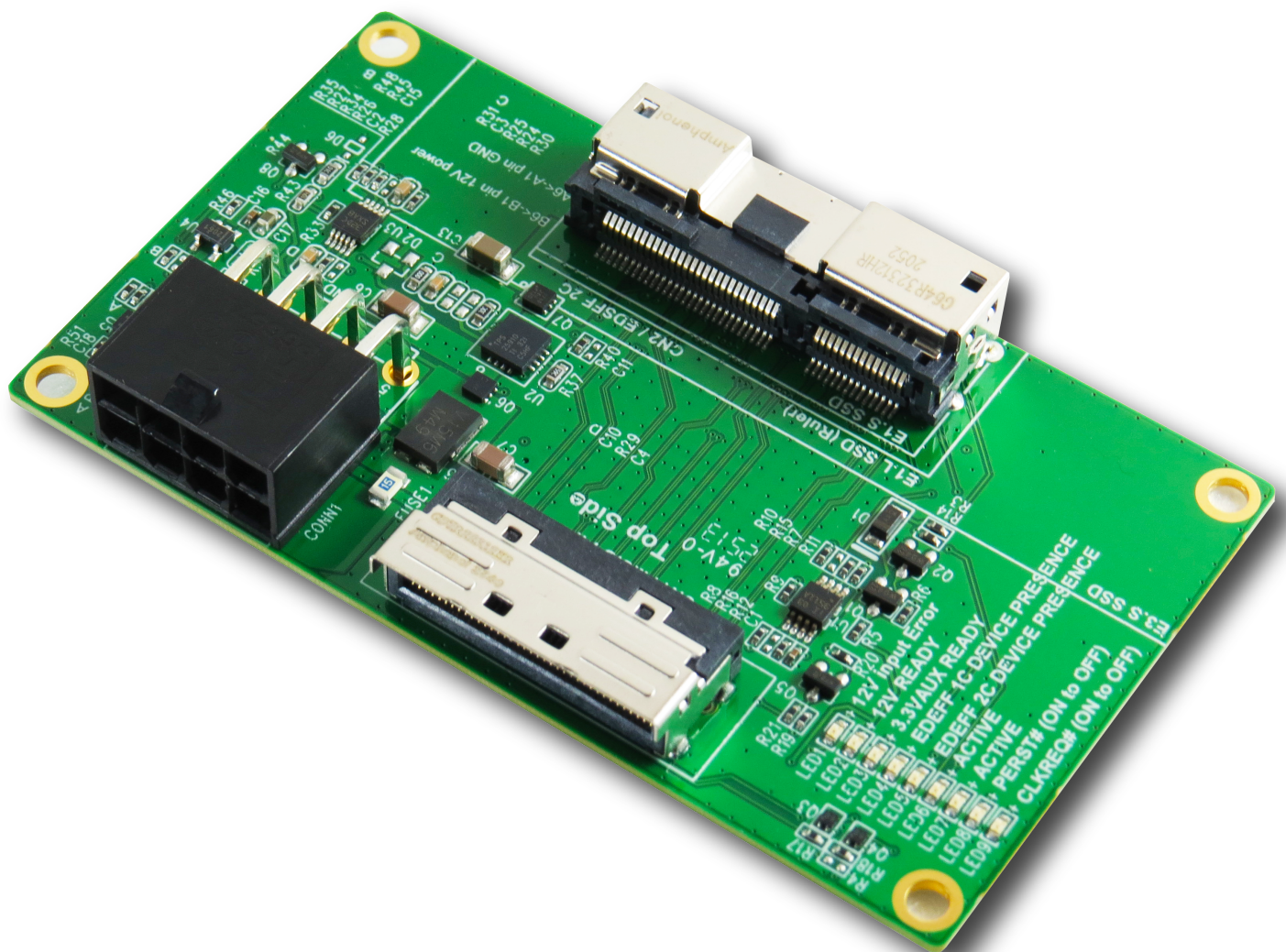


Innocard

Minerva

GE0185A

MCIO 74P / PCIe 5.0 to EDSFF(Gen-Z) 2C Adapter



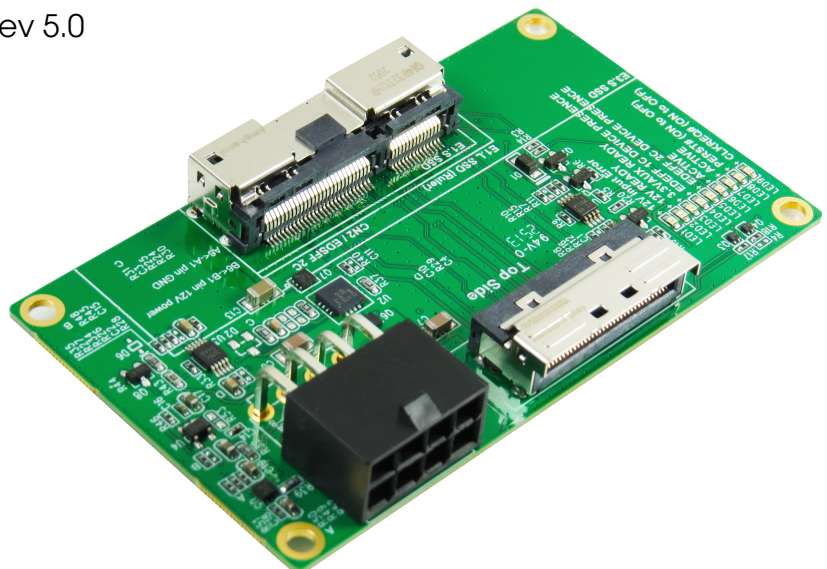
MCIO 74P / PCIe 5.0 to EDSFF(Gen-Z) 2C Adapter

Features

- ※ MCIO(SFF-TA-1016) to EDSFF(Gen-Z) 2C convert for PCIe 5.0 signals
- ※ Built-in MCIO 74P, 30u" Au Plated connector
- ※ Built-in EDSFF(Gen-Z) 2C 30u" Au Plated connector
- ※ 2x4 PCIe 12VAUX Power Input
- ※ 12V Input power rail built-in 15A FUSE
- ※ 12V Input power rail with 1500W Bidirectional TVS
- ※ 12V Input power rail built-in 60V, 15A Schottky barrier rectifier
- ※ 12V Input power rail high side controller with 60V, 15A Power NMOS FET
- ※ Built-in 12V Hotswap Power controller with programmable Inrush Slew rate, support a maximum continuous current of 6.5A for EDSFF SSD protection
- ※ Built-in 12V output with 30V, 10A N-Channel NexFET power MOSFET, 20m ohm with Reverse current protection
- ※ 12V to 3.3V, 500mA LDO buck Power
- ※ 3.3V, 500mA Load Switch
- ※ LED1 RED LED on indicates 12V input Power Error
- ※ LED2 Green LED on indicates 12V power ready
- ※ LED3 Green LED on indicates 3.3Vaux power ready
- ※ LED4 Green LED on indicates EDEFF 1C DEVICE PRESENC
- ※ LED5 Green LED on indicates EDEFF 2C DEVICE PRESENC
- ※ LED6 Green LED on indicates 3.3Vaux power ready
- ※ LED7 Red LED indicates EDEFF Active
- ※ LED8 Red LED indicates on to off for PCIe PERST# signals implementation
- ※ LED9 Red LED indicates on to off for PCIe CLKREQ# signals implementation

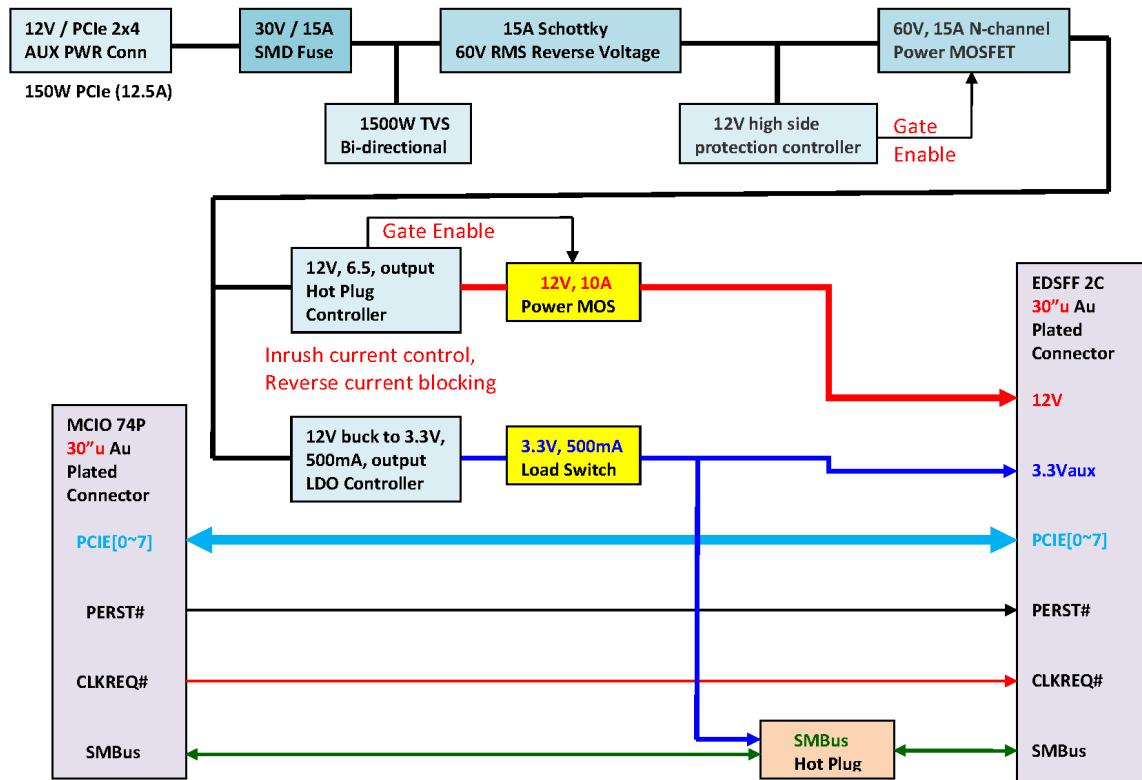
Specifications

- ※ Support PCI Express Base Specification Rev 5.0
- ※ Compliant with SFF-TA-1016 Rev1.3
- ※ Compliant with SFF-TA-1002 Rev1.5



MCIO 74P / PCIe 5.0 to EDSFF(Gen-Z) 2C Adapter

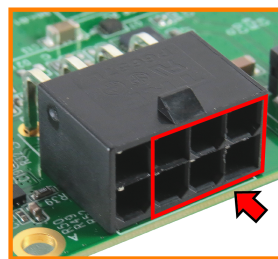
GE0185A MCIO 74P/PCIe 5.0 to EDSFF 2C adapter Block Diagram



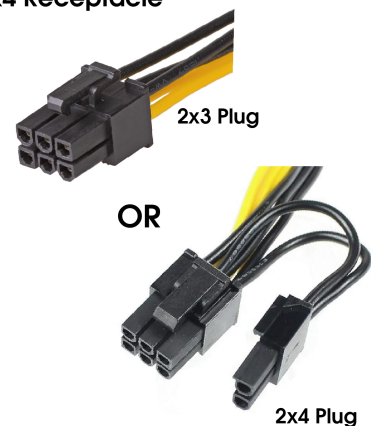
GE0185A 2x4 Auxiliary Power Connector

PCIe 2x4 Auxiliary Power PCIe_CEM_SPEC_R4_V1_0		
6-Position Cable Assembly	8-Position Cable Assembly	8-Position PCB Header

2x3 Plug Mating with a 2x4 Receptacle



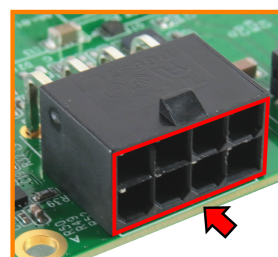
2x4 Receptacle



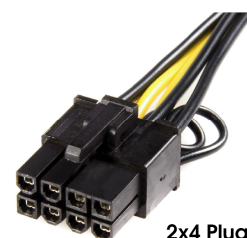
OR

2x4 Plug

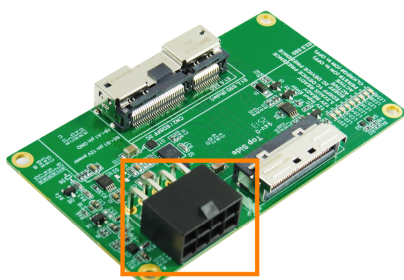
2x4 Plug Mating with a 2x4 Receptacle



2x4 Receptacle



2x4 Plug



Model No.: **GE0185A**
MCIO 74P / PCIe 5.0 to EDSFF(Gen-Z) 2C Adapter