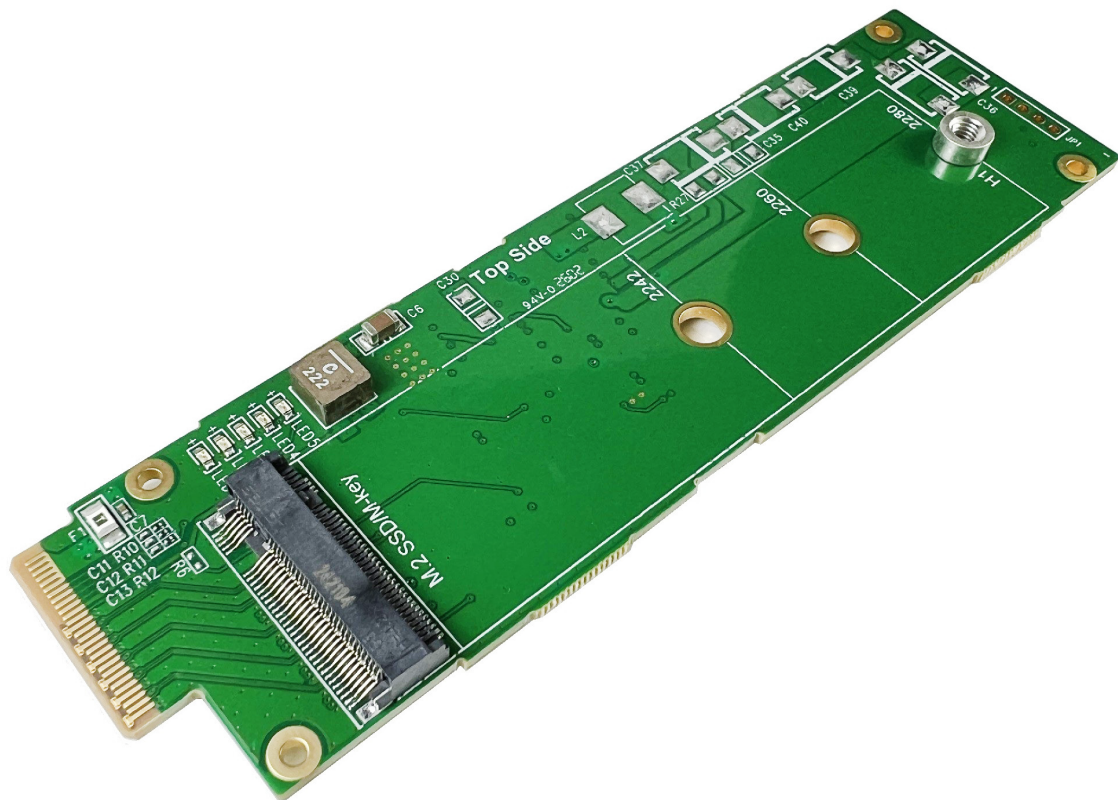


Innocard

Minerva

EP3805F

EDSFF (Gen Z) 1C PCIe 5.0 to M.2 Adapter



EDSFF (Gen Z) 1C PCIe 5.0 to M.2 Adapter

Features

- ※ M.2 NVMe to EDSFF(GEN-Z) 1C convert
- ※ Built-in M.2 M-key connector
- ※ 12V Input power rail built-in 5A Fuse
- ※ PWM 12V to 3.3V synchronous buck converter Power for M.2 NVMe SSD
 - 5.5A maximum output current
 - Output Discharge Control
 - The output overcurrent protection(OCP)
 - Undervoltage lock out protection(UVLO) monitor
 - Over/Under Voltage Protection
 - Thermal shutdown protection
 - ESD HBM (Human Body Mode)/500V
- ※ Supports M.2 CLKREQ# tied to EDSFF 1C A11 pin
- ※ Supports M.2 /1.8V to EDSFF/3.3V SMBus Level Shift, isolated and repeater
- ※ LED1 Green LED on indicates 3.3V power ready
- ※ LED2 Green LED on indicates 1.8V power ready
- ※ LED3 Red LED on to off indicates PCIe PERST# signals implementation
- ※ LED4 Red LED on to off indicates PCIe CLKREQ# signals implementation
- ※ LED5 Red LED flash indicates M.2 NVMe SSD Active

Specifications

- ※ Compliant with NVM Express 2.0
- ※ Support PCI Express Base Specification Rev 5.0
- ※ Support SSD_Form_Factor_Version1_a
- ※ Compliant with PCI_Express_M.2_Spec_Rev5.1_05012024_NCB
- ※ Compliant with SFF-TA-1002Rev1.5.2 Form Factor
- ※ Compliant with SFF-TA-1009Rev4.1a Pin and Signal Specification

Supports the following form factor M.2 NVMe SSD:

- ※ Type 2242-D2-B-M: 42mm(L) x 22mm(W)
- ※ Type 2260-D2-B-M: 60mm(L) x 22mm(W)
- ※ Type 2280-D2-B-M: 80mm(L) x 22mm(W)

Operating system support

- ※ Windows 8 &8.1
- ※ Windows 10
- ※ Windows 11
- ※ Linux
- ※ VMware

Applications

- ※ Rack server
- ※ Microserver and Tower server
- ※ High performance computing
- ※ Hardware accelerator
- ※ Storage Controller HBA(Host Bus Adapter)
- ※ Desktop PC/motherboard

EDSFF (Gen Z) 1C PCIe 5.0 to M.2 Adapter Block diagram

EDSFF(GEN-Z) 1C PCIe 5.0 to M.2 M-key Adapter Block Diagram

