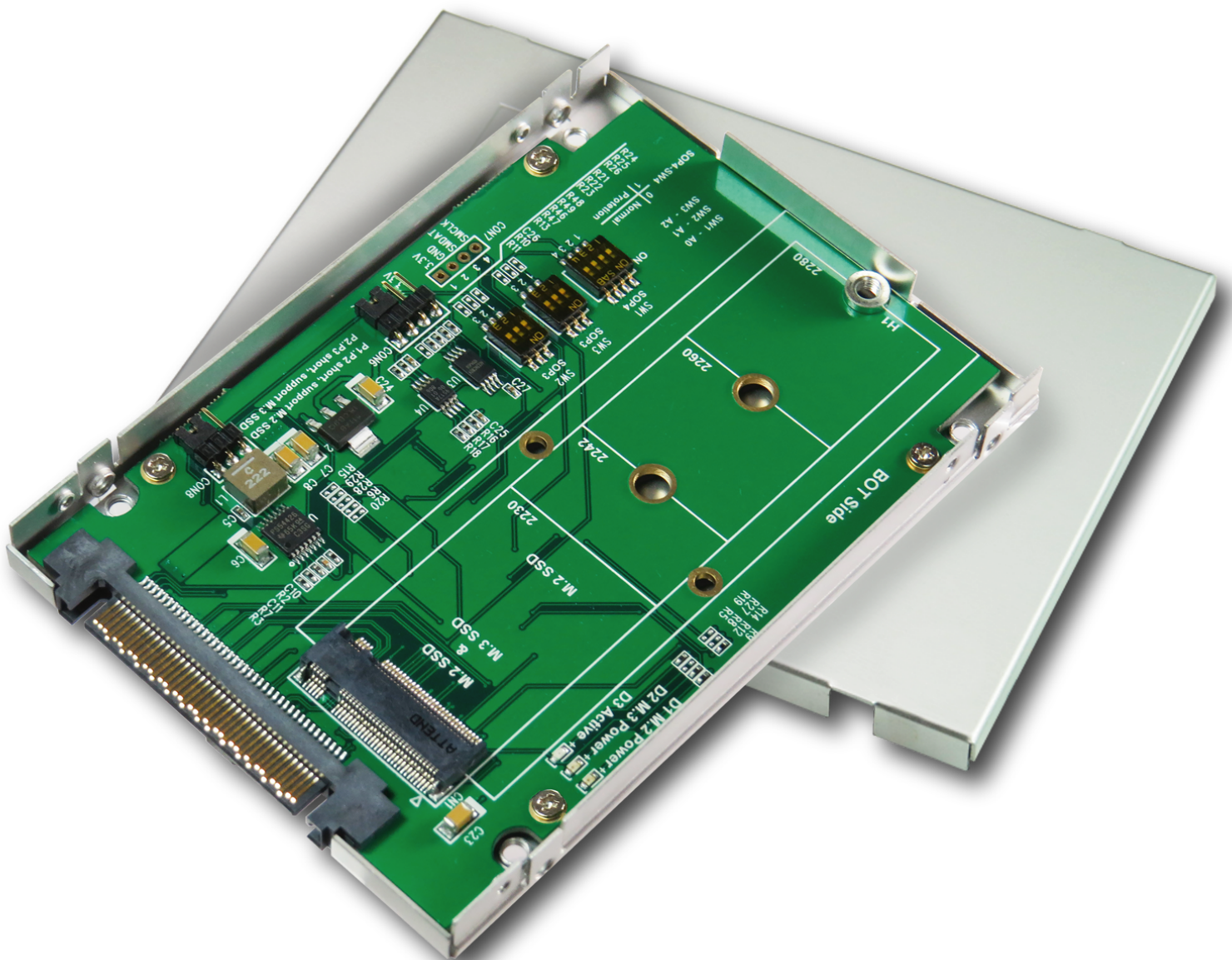


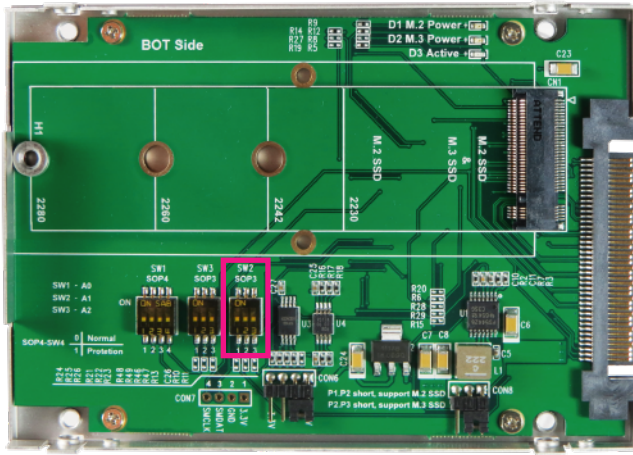
# *Minerva*

## PU424F

Gen-Z (SFF-8639) to M.2 NVMe SSD Adapter with 2.5" Enclosure



## Gen-Z (SFF-8639) to M.2 NVMe SSD Adapter with 2.5" Enclosure



### SW2 SETUP - DEVICE TYPE ENCODING

| POS1    | POS2    | POS3   |                          |
|---------|---------|--------|--------------------------|
| PRSNT#  | IfDet2# | IfDet# |                          |
| P10 pin | E6 pin  | P4 pin | Device Type Installed    |
| Gnd     | Open    | Gnd    | SAS / SATA               |
| Gnd     | Open    | Open   | NVMe - (PCIe-HDD device) |
| Open    | Open    | Gnd    | Quad PCIe(U.2)           |
| Open    | Open    | Open   | Bay Empty                |
| Open    | Gnd     | Gnd    | SFF-TA-1001 PCIe(U.3)    |
| Open    | Gnd     | Open   | Gen-Z                    |

## Features

- ※ M.2 NVMe to Gen-Z(SFF-8639) convert
- ※ Build in SFF-8639 connector, pin-out defined by SFF-TA-1001 Rev1.1
- ※ PWM synchronous buck converter Power for M.2 SSD
  - ◆ 4A maximum output current
  - ◆ Short circuit protection
  - ◆ In-rush current suppression
  - ◆ Thermal shutdown protection
  - ◆ ESD HBM (Human Body Mode)/2KV
- ※ Supports CLKREQ#, WAKE#
- ※ Supports M.2 /1.8V to 3.3V SMB\_CLK, SMB\_DATA Level Shift
- ※ Supports M.2 /1.8V to 3.3V SMB\_CLK, SMB\_DATA isolated
- ※ Build in SMBUS EEPROM 64KB
- ※ D1 Green LED on indicates M.2 NVMe SSD power ready
- ※ D3 RED LED Blinking indicates M.2 active status

## Specifications

- ※ Compliant with NVMe Express 1.2
- ※ Support PCI Express Base Specification Rev 3.1
- ※ Support SSD\_Form\_Factor\_Version1\_a
- ※ Compliant with PCI Express M.2 Specification Version 1.0
- ※ Compliant with PCIe\_SFF-8639\_R3.0\_V1.0
- ※ Compliant with SFF-TA-1001 Rev1.1

## Support M.2(NGFF) SSD Form factor :

- ※ 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)