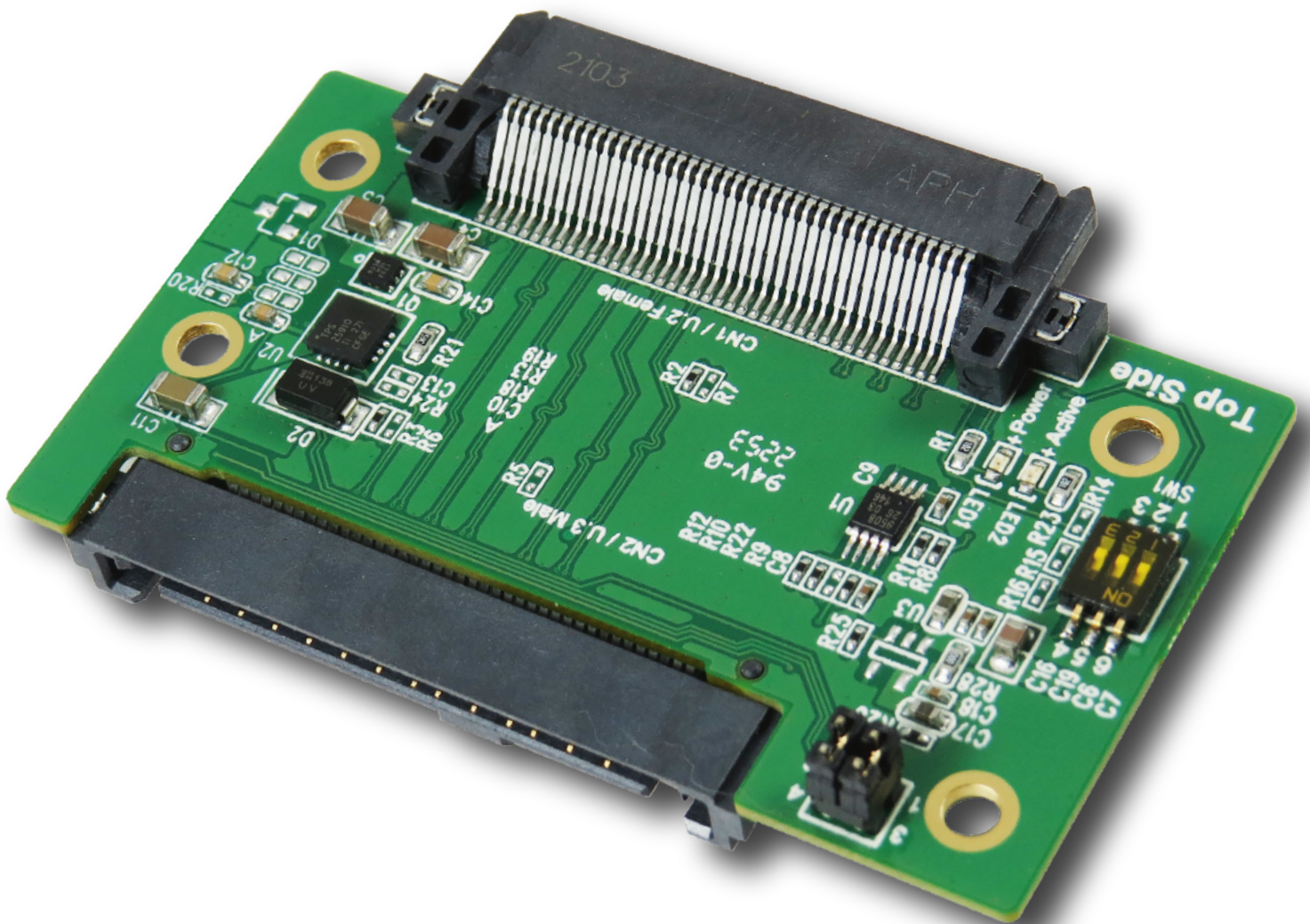




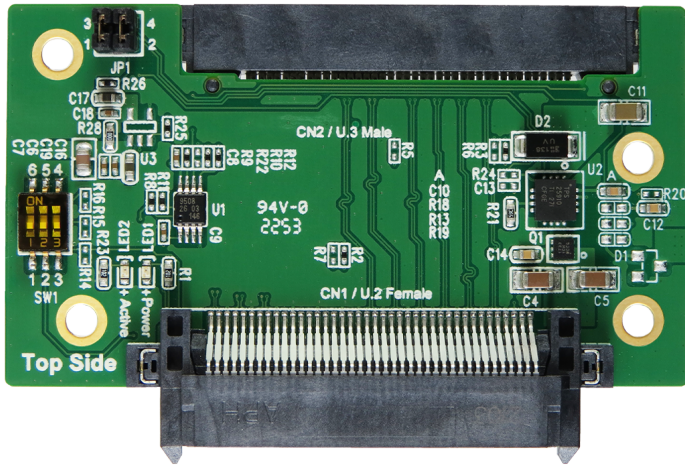
# Minerva

**GD1411A**

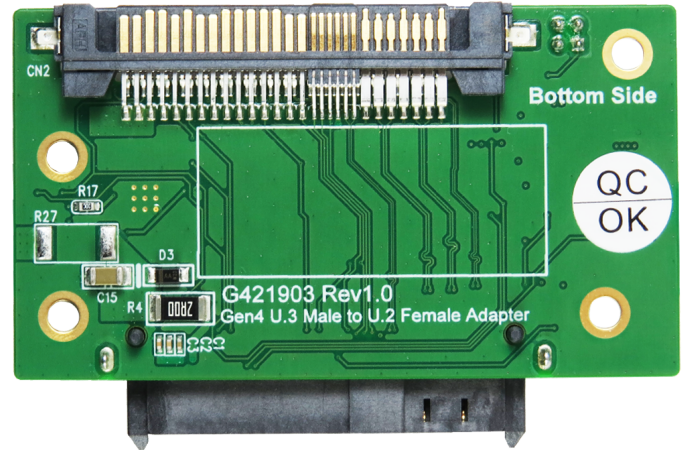
**U.3 Male PCIe 4.0 to U.2 Female Adapter**  
with 12V Hot plug power protection



## U.3 Male *PCIe 4.0* to U.2 Female Adapter



Top Side



Bottom Side

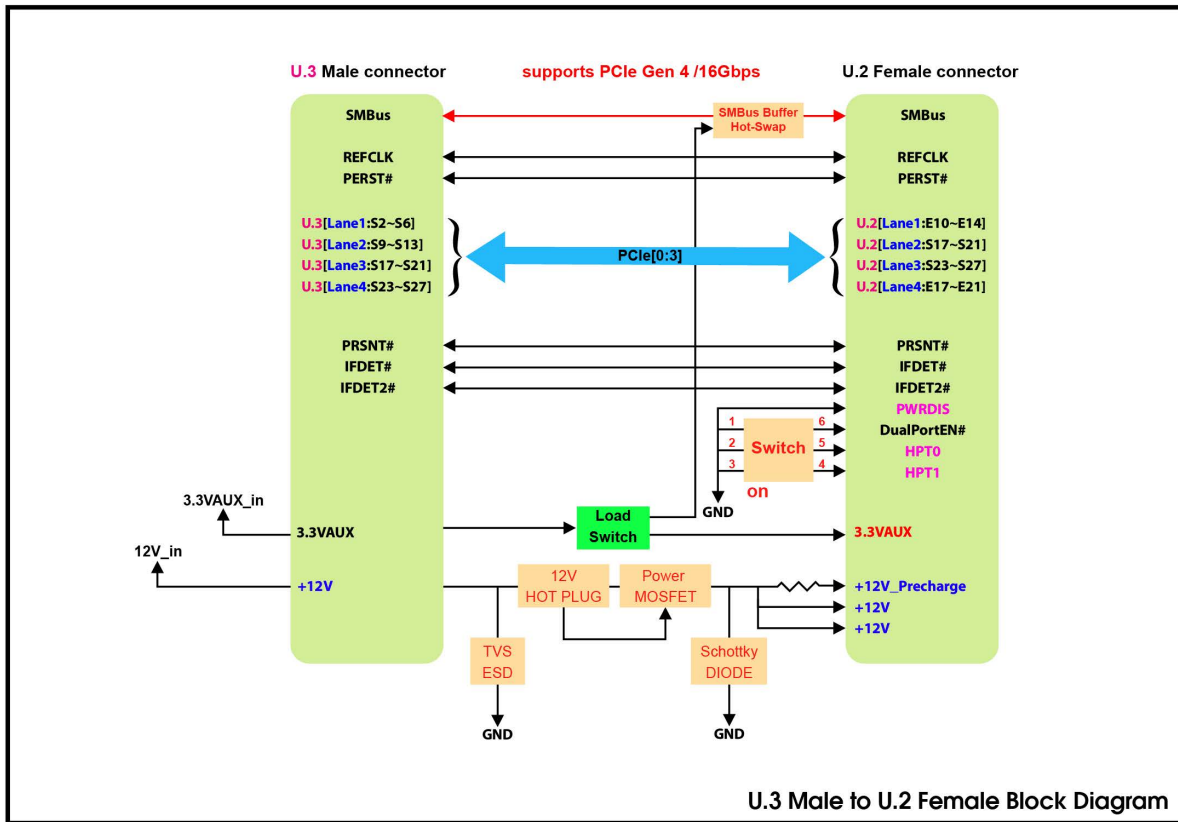
### Features

- ※ Built-in SFF-8639 Male connector
- ※ Built-in SFF-8639 Female connector
- ※ Built-in 12V Hot Plug Power with eFuse protection for U.2 NVMe SSD
  - ◆ 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
- ※ Built-in 3.3VAUX Load Switch with controlled turn on, can support a maximum continuous current of 500mA
- ※ Supports CLKREQ#, WAKE#, PWRDIS
- ※ Supports SMBus providing hot swap & bidirectional buffering
- ※ LED1 Red LED Blinking indicates SSD active status
- ※ LED2 Green LED on indicates U.3 SSD power ready

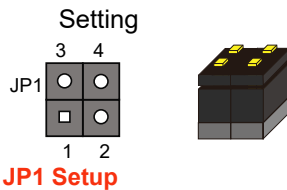
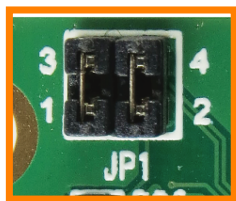
### Specifications

- ※ Compliant with NVM Express 1.3a
- ※ Support PCI Express Base Specification Rev 4.0
- ※ Support SSD\_Form\_Factor\_Version1\_a
- ※ Compliant with PCIe SFF-8639 Module Specification Rev 3.0
- ※ Compliant with SFF-TA-1001 Rev1.1

# U.3 Male *PCIe 4.0* to U.2 Female Adapter

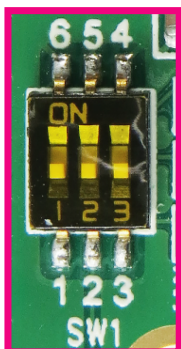


## The switches settings are as noted below



1-3	ON	Power Most Enable
2-4	ON	Power Controller Enable

Model No.: **GD1411A**  
**U.3** Male PCIe 4.0 to **U.2** Female  
 with 12V Hot plug power protection



### SW1 For Host Port Type Control Signal MAP

1-6	OFF	DualPortEN#
2-5	ON	Host Port for U.2
3-4	OFF	

