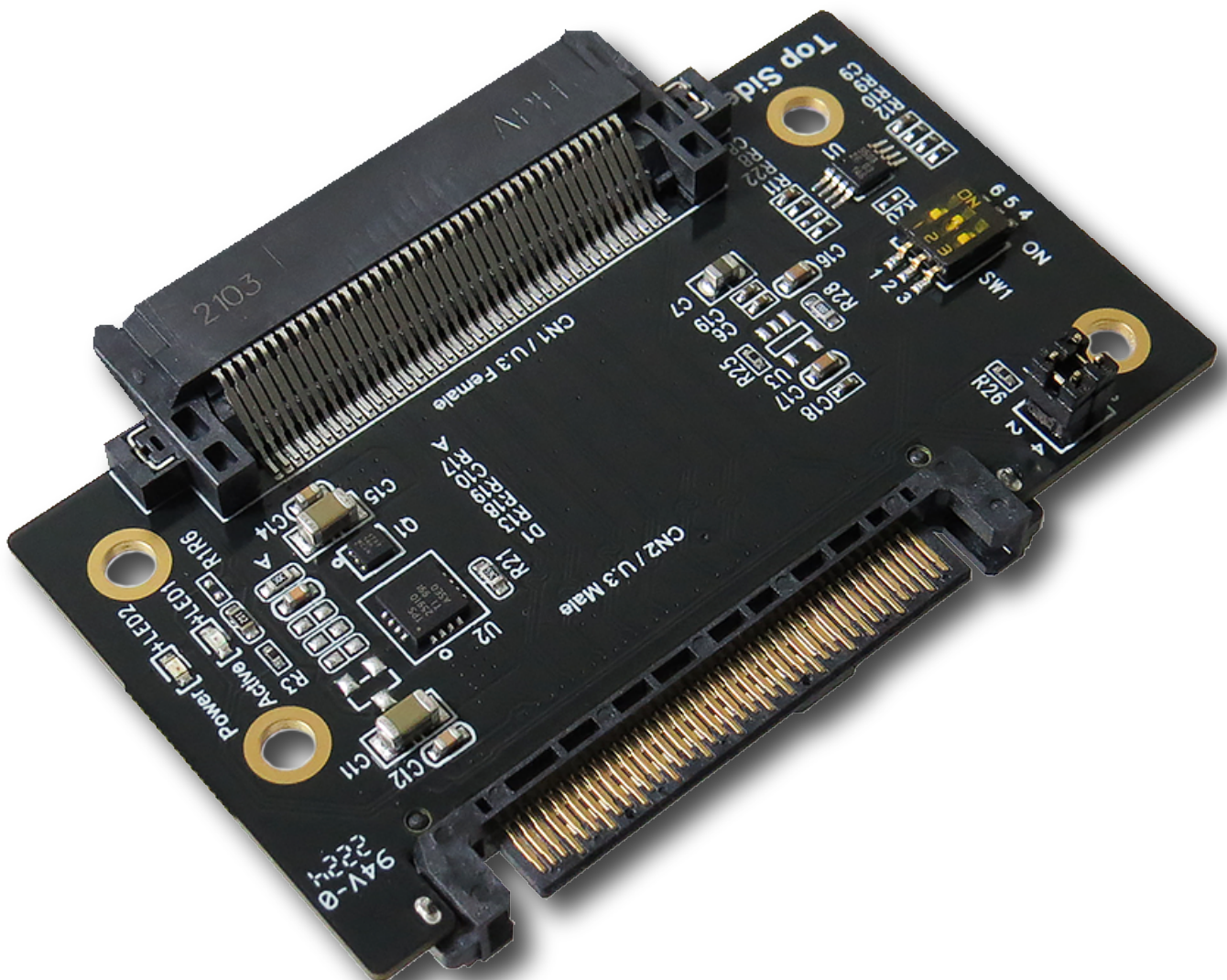


Innocard

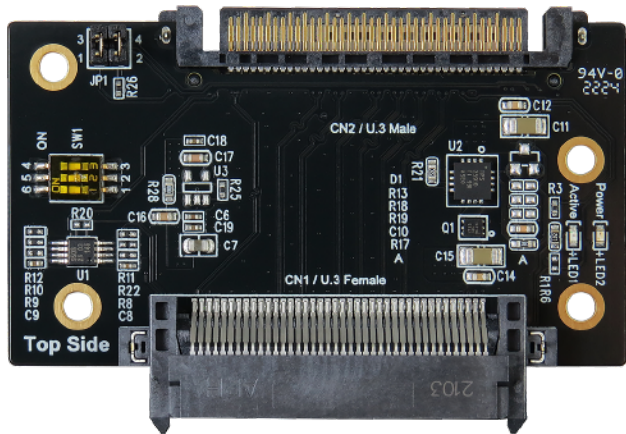
# Minerva

## GD1410A

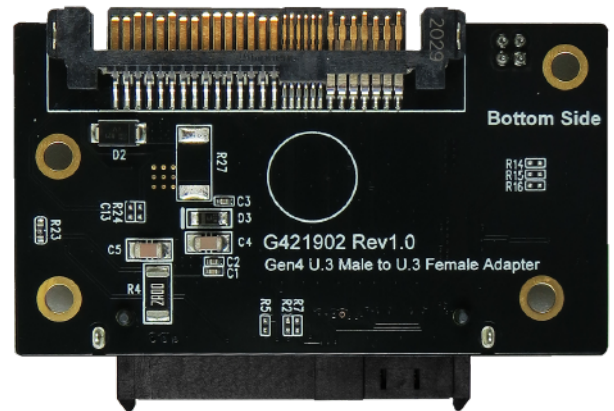
U.3 Male *PCIe 4.0* to U.3 Female Adapter  
with 12V Hot plug power protection



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



Top Side



Bottom Side

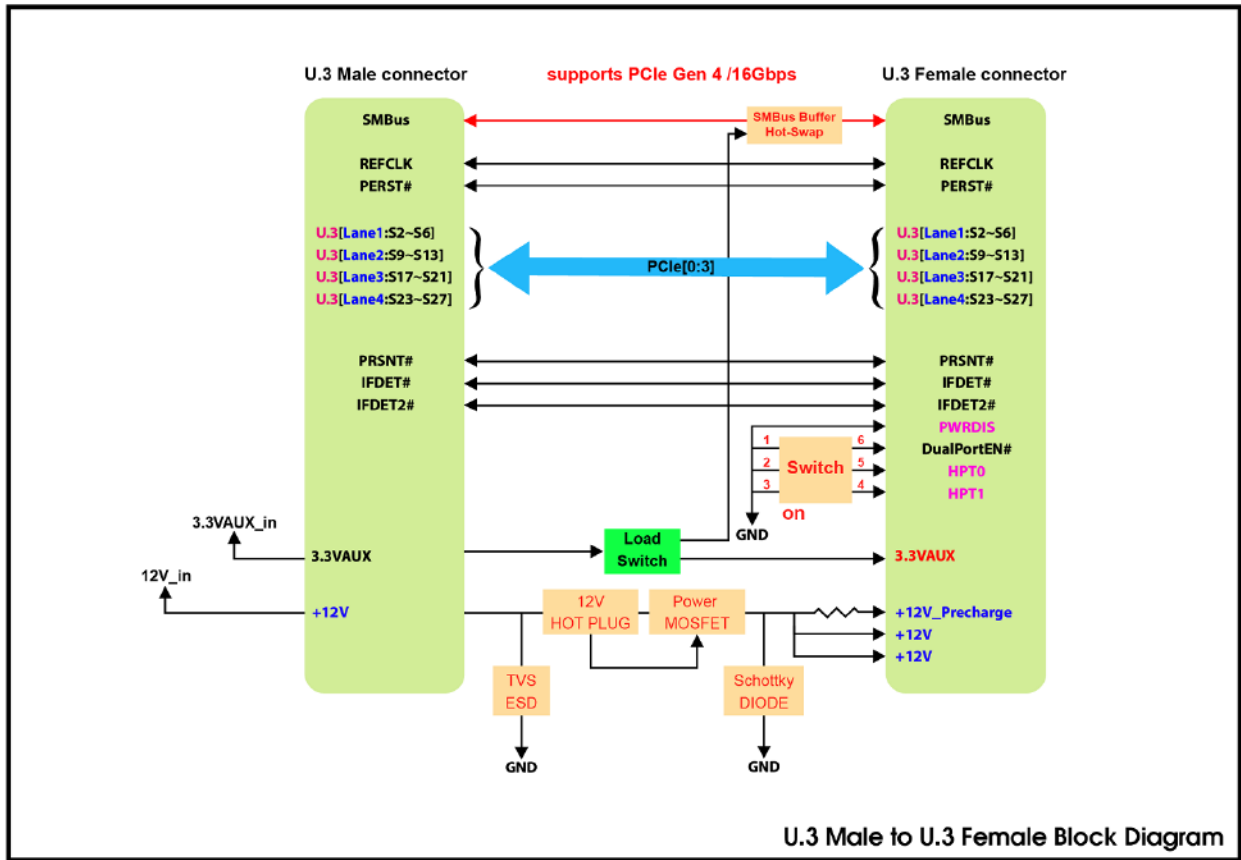
### Features

- ※ Built-in SFF-8639 Male connector
- ※ Built-in SFF-8639 Female connector
- ※ Built-in 12V Hot Plug Power with eFuse protection for U.3 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.3 Female Adapter



The switches settings are as noted below

Setting

3	4	
○	○	
□	○	
1	2	

**JP1 Setup**

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

**SW1 For Host Port Type Control Signal MAP**

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

