

The Most **Reliable**
Storage For Industries

PV310-M280



PV310-M280

Overview

Apacer PV310-M280 is the fastest SSD designed as M.2 2280 mechanical dimensions, providing full compliance with PCIe Gen3 x4 interface and NVMe 1.3 specifications.

Built with a powerful PCIe controller, PV310-M280 delivers outstanding performance in data transfer, reaching up to 345,000/172,000 and 2,660/2,260 MB/s in IOPS and sequential read/write. Even for highly intensive applications, with End-to-End Data Protection technology, it ensures integrity and correctness of data transmission between the host and the NAND storage area, and greatly improves data reliability.



Feature

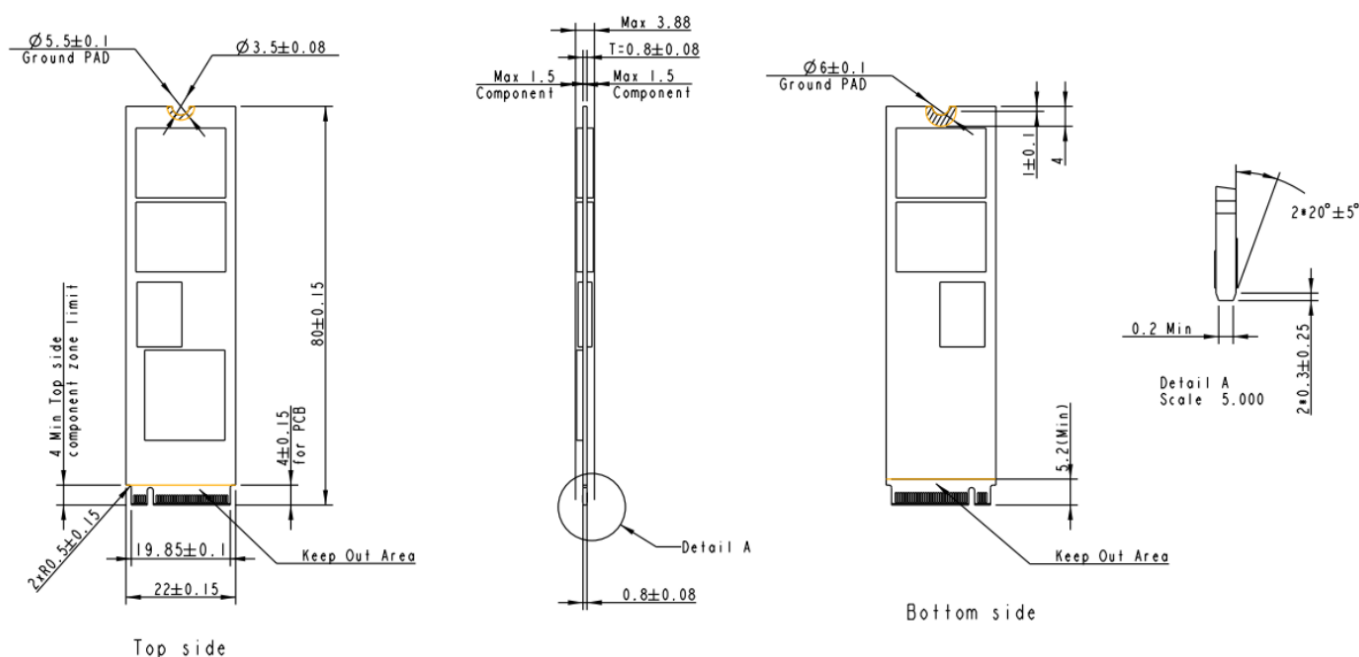
- Superb performance and low latency
- Support LDPC ECC
- DataRAID™
- Global Wear Leveling
- Flash bad-block management
- Hyper Cache Technology
- Thermal Management
- End-to-End Data Protection
- Over-Provisioning
- Supports SSDWidget S.M.A.R.T function

Specifications

Model	PV310-M280
Interface	PCIe Gen3 x4
Connector	M.2 M key
Form Factor	M.2 2280-D5-M
NAND Flash Type	3D TLC
Capacity	240GB~960GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 2660
Sustained Write Performance (MB/sec)	Up to 2260
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	172K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 to 100
Thermal Sensor	Yes
Shock	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 4.02 Grms, 15 ~ 2000 Hz/sine (compliant with MIL-STD-810G)
Operating Voltage	3.3V ±5%
Power Consumption	Active mode: 1,725 mA / Idle mode: 250 mA
Dimension (L x W x H)	Double side: 80.00 mm x 22.00 mm x 3.88 mm
MTBF (hours)	>1,000,000

Mechanical Specification

Double Side



Unit: mm

For more information,
contact your Apacer representative

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