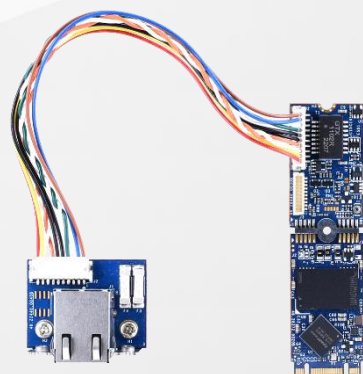


The Most **Reliable**
Storage For Industries

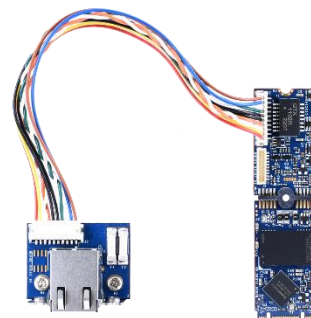
SV25T-M280 with OOB Module



SV25T-M280 with OOB Module

Overview

Apacer's SV25T-M280 with OOB Module, designed as M.2 2280 mechanical dimensions, is a transformed Solid State Drive (SSD) module composed of a M.2 2242 SSD and Out-Of-Band (OOB) module with a rigid patent connector. Utilizing 3D NAND for higher capacity up to 960GB and providing more power efficiency than 2D NAND, SV25T-M280 with OOB Module provides full compliance with the latest SATA Revision 3.2 interface specifications and delivers exceptional read/write speed, making it the leading add-in storage solution for future host computing systems.



SV25T-M280 with OOB Module features CoreSnapshot and Double-barreled Solution to optimize the stability of system operation and management. CoreSnapshot ensures that SV25T-M280 with OOB Module can function normally and return to normal operation in the event of unexpected system failures to reduce downtime and maximum output, while Double-barreled Solution extends the practical operating lifespan and integrates seamlessly with alternated RDM platforms, makes monitoring of a complex system much easier and more efficient through the Cloud.

Feature

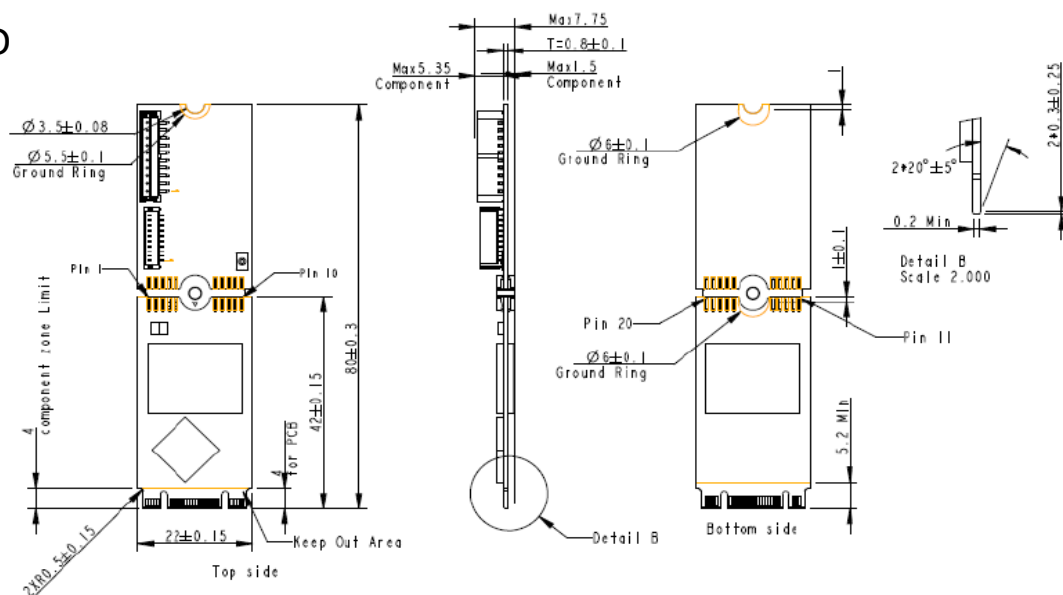
- Double-barreled Solution (CoreAnalyzer2 + SSDWidget 2.0): Cloud Edition
- OOB Function
- CoreSnapshot (optional)
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- S.M.A.R.T.
- DataDefender™
- Device Sleep
- ATA Secure Erase
- TRIM Support
- Hyper Cache Technology
- Over-provisioning
- SMART Read Refresh™

Specifications

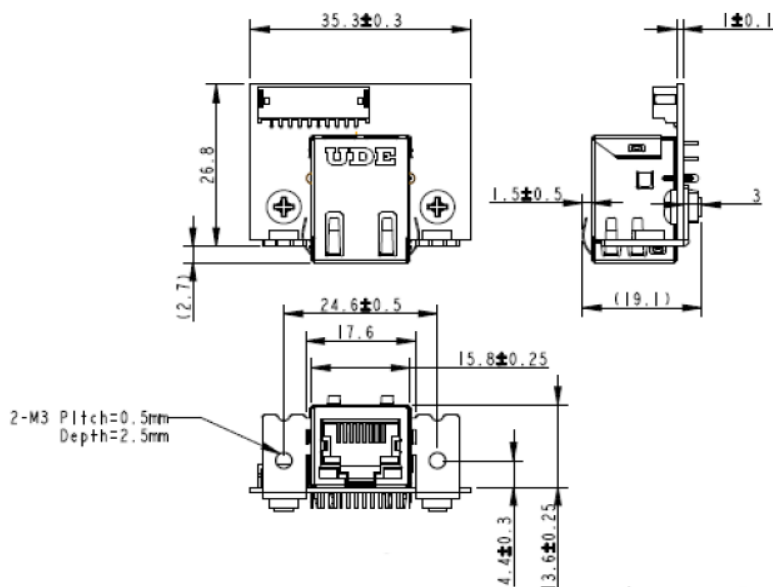
Model	SV25T-M280 with OOB Module
Interface	SATA 3.0 (6Gb/s)
Connector	75-pin SATA-based M.2 module pinout 10-pin OOB connector
Form Factor	Double-sided: M.2 2280-D5-B-M
NAND Flash Type	3D TLC
Capacity	60GB-960GB
External DRAM	No
Sustained Read Performance (MB/sec)	Up to 560
Sustained Write Performance (MB/sec)	Up to 470
ECC Engine	Low-Density Parity-Check (LDPC) Code
IOPS (4K Random Write)	68K
Standard Operating Temperature (°C)	0 ~ +70
Extended Operating Temperature (°C)	-40 ~ +85
Storage Temperature (°C)	-55 ~ +100
Thermal Sensor	Yes
Shock	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)
Vibration	Operation: 7.69(Grms), 20~2000(Hz)/random (compliant with MIL-STD-810G) Non-operation: 4.02(Grms), 15~2000(Hz)/random (compliant with MIL-STD-810G)
Operating Voltage	3.3 V ± 5%
Power Consumption	Active mode: 400 mA Idle mode: 65 mA
Dimension (L x W x H)	SSD: 22.00 x 80.00 x 7.75 (max.) (mm) RJ45: 35.30 x 29.50 x 19.10, (mm)
MTBF (hours)	>3,000,000

Mechanical Specification

SSD



RJ45



Unit: mm

For more information,
contact your Apacer representative

Global Presence

Taiwan (Headquarters)
Apacer Technology Inc.
Tel: +886-2-2267-8000
Fax: +886-2-2267-2261

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000
Fax: +31-40-290-0686

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699
Fax: 1-510-249-9551

Shanghai
Apacer Electronic(Shanghai)
Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668
Fax: +81-3-5419-0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215