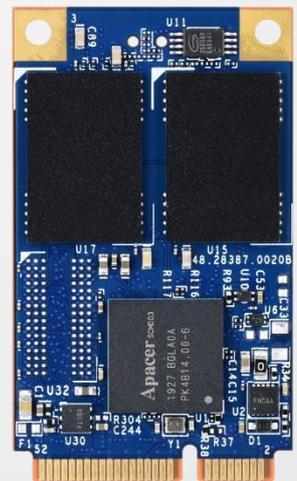


# Apacer

The Most **Reliable**  
Storage For Industries

**SV240-300**



## SV240-300

### Overview

Apacer's SV240-300 is a well-balanced solid-state disk (SSD) drive with standard form factor and great performance. Designed in SATA 6 Gb/s interface, the SSD is able to deliver exceptional read/write speed, making it the ideal companion for heavy-loading industrial or server operations.



SV240-300 utilizes 3D NAND for higher capacity up to 1920GB and provides more power efficiency than 2D NAND. Regarding reliability, SV240-300 is implemented with LDPC (Low Density Parity Check) ECC engine to extend SSD endurance and increase data reliability while reading raw data inside a flash chip. In addition, the drive comes with various implementations including powerful hardware ECC engine, power saving modes, wear leveling, flash block management, S.M.A.R.T., TRIM, and DataDefender™.

In terms of security, Advanced Encryption Standard (AES) and Trusted Computing Group (TCG) Opal ensures data security and provide users with a peace of mind. Furthermore, with End-to-End Data Protection, data integrity can be assured at multiple points in the path to enable reliable delivery of data transfers.

\*The actual available memory on the device is less than what is listed on the package. This is due to small discrepancies in file formats and algorithms used by various operating systems. In addition, a portion of memory space is reserved for system files and data sectors for better performance.

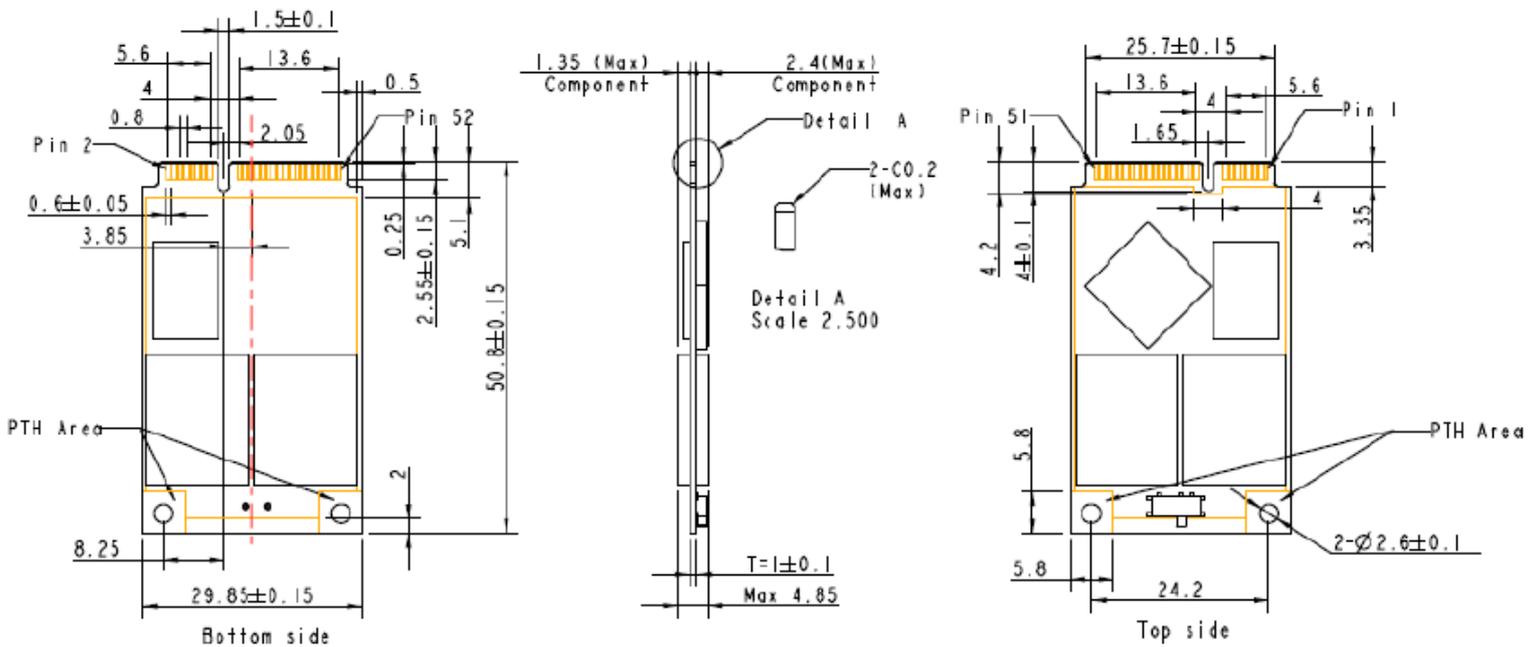
## Feature

- Support Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling Technology
- Flash Bad-block Management
- Flash Translation Layer: Page Mapping
- S.M.A.R.T.
- DataDefender™
- ATA Secure Erase
- Device Sleep
- TRIM Support
- Hyper Cache Technology
- Over-Provisioning
- DataRAID™
- Smart Read Refresh™

## Specifications

<b>Model</b>	SV240-300
<b>Interface</b>	SATA 3.2 (6Gb/s)
<b>Connector</b>	52-pin mSATA connector
<b>Form Factor</b>	JEDEC MO-300
<b>NAND Flash Type</b>	3D TLC
<b>Capacity</b>	120GB ~ 1920GB
<b>External DRAM</b>	Yes
<b>Sustained Read Performance (MB/sec)</b>	Up to 560
<b>Sustained Write Performance (MB/sec)</b>	Up to 495
<b>ECC Engine</b>	Low-Density Parity-Check (LDPC) Code
<b>IOPs (4K Random Write)</b>	85K
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Housing</b>	No
<b>H/W Write Protect</b>	No
<b>Thermal Sensor</b>	Yes
<b>Shock</b>	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)
<b>Vibration</b>	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)
<b>Operating Voltage</b>	3.3 V ± 5%
<b>Power Consumption</b>	Active mode: 635 mA /Idle mode: 95 mA
<b>Dimension (L x W x H)</b>	50.80 x 29.85 x 4.85 mm
<b>MTBF (hours)</b>	>3,000,000

## Mechanical Specification



Unit: mm

For more information,  
contact your Apacer representative

### Global Presence

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