

Apacer

The Most **Reliable**
Storage For Industries

SM210-18



SM210-18

Overview

Apacer's SM210-18 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. In regard of reliability, 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 power failure management.



* 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.

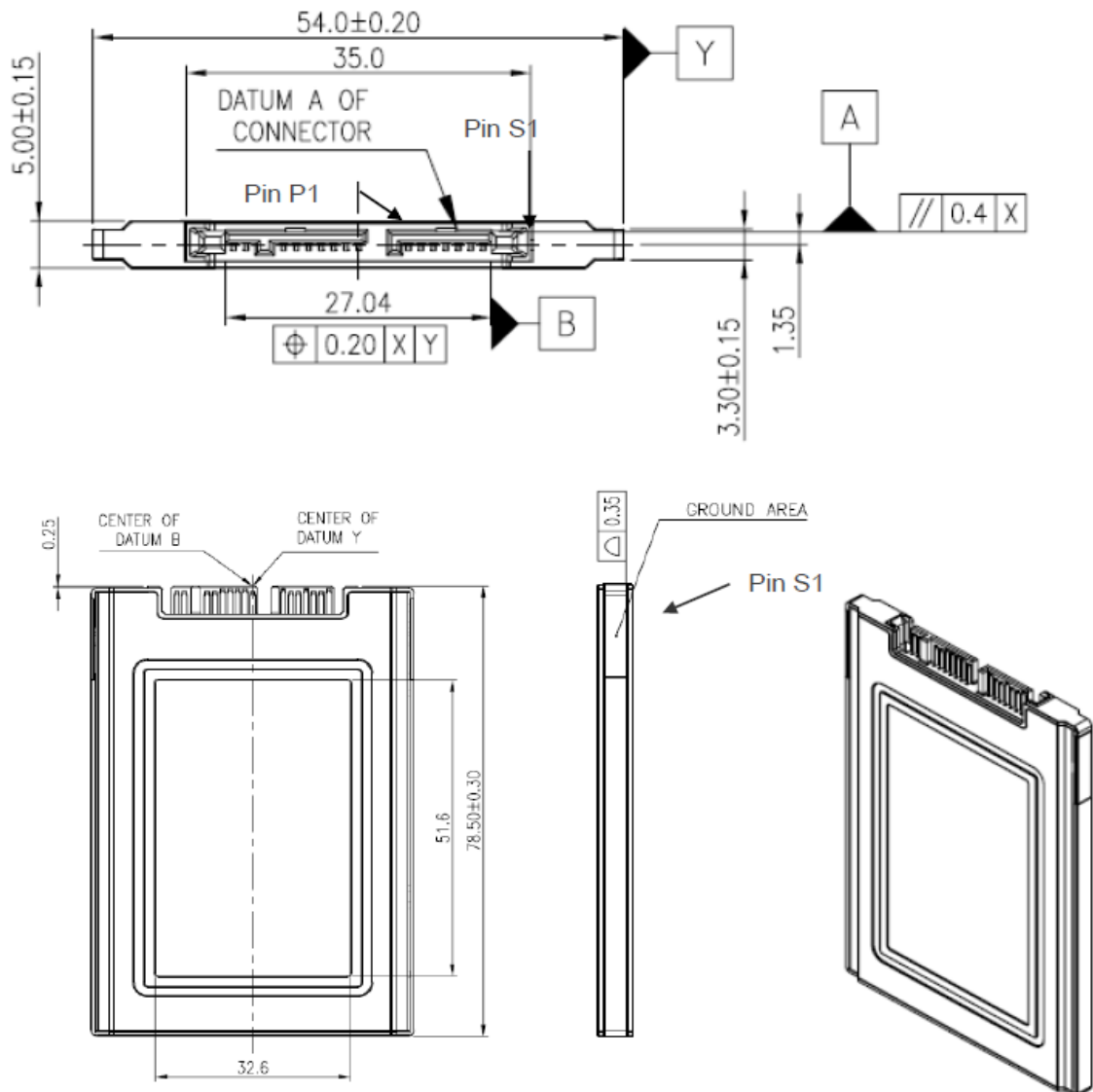
Feature

- Built-in Hardware ECC
- Global Wear Leveling
- Flash Bad-block Management
- S.M.A.R.T.
- Power Failure Management
- Device Sleep (Optional)
- ATA Secure Erase
- TRIM Support

Specifications

Model	SM210-18
Interface	SATA 3.1 (6Gb/s)
Connector	(7+9) pin male
Form Factor	1.8 inch
NAND Flash Type	MLC
Capacity	32GB ~ 256GB
External DRAM	Yes
Sustained Read Performance (MB/sec)	Up to 540
Sustained Write Performance (MB/sec)	Up to 355
ECC Engine	Built-in 72 bit per 1K bytes BCH ECC
IOPs (4K Random Write)	77K
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Housing	Yes
Thermal Sensor	No
Shock	Operation: 50G/11ms (compliant with MIL-STD-202G) Non-operation: 1500G/0.5ms (compliant with MIL-STD-883K)
Vibration	Operation: Random, 7.69(Grms), 20~2000(Hz) Non-operation: Sine wave, 15(G), 10~2000(Hz)
Operating Voltage	3.3V ± 5% / 5V ± 5%
Power Consumption	3.3V: 1,070 / 80 5V: 710 / 70
Dimension (L x W x H)	78.50 mm x 54.00 mm x 5.00 mm
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

**For more information,
contact your Apacer representative**

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