

# Apacer

The Most **Reliable**  
Storage For Industries

**SS210-18**



## SS210-18

### Overview

Apacer's SS210-18 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.

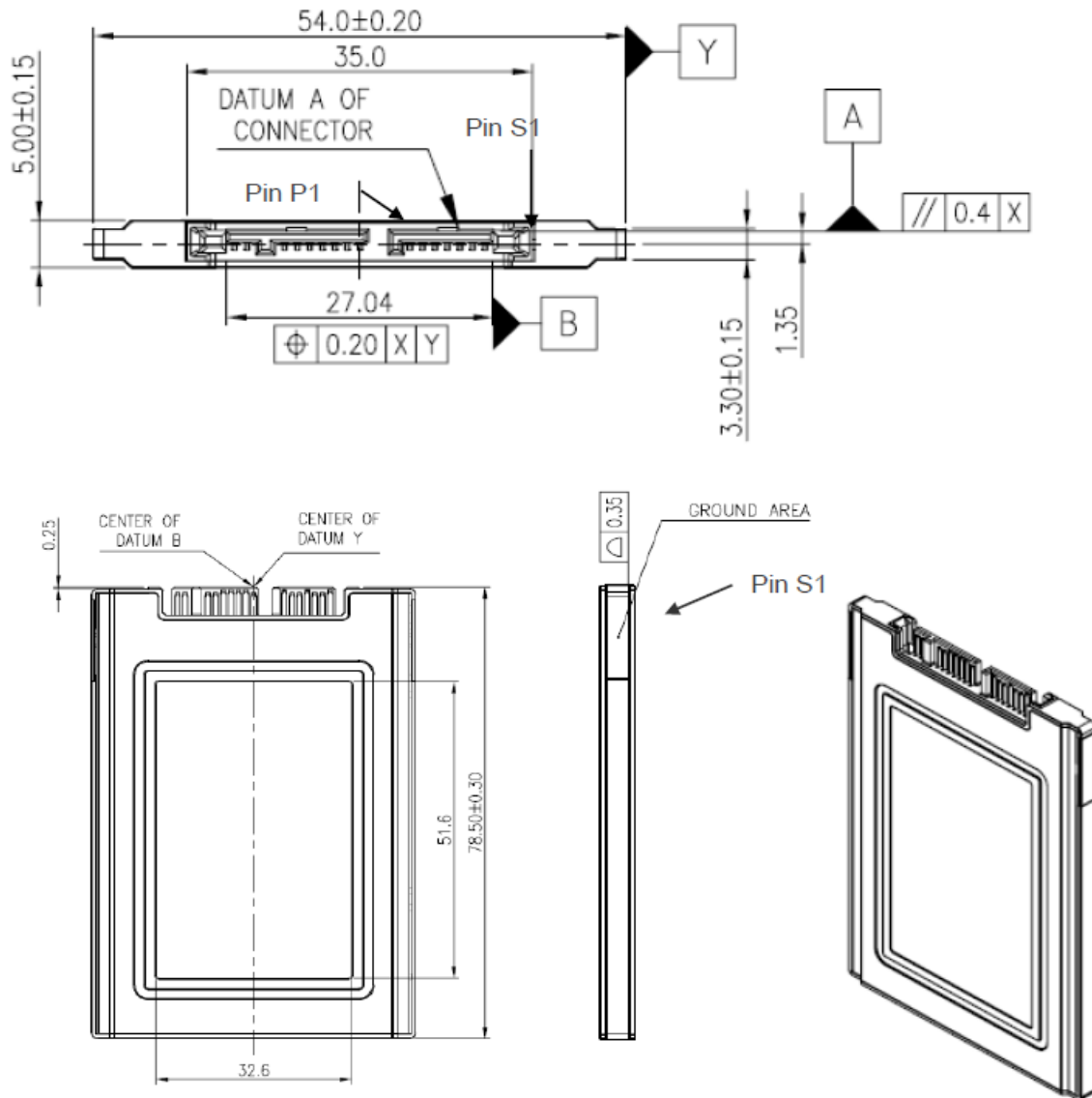
## Feature

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

## Specifications

<b>Model</b>	SS210-18
<b>Interface</b>	SATA 3.1 (6Gb/s)
<b>Connector</b>	(7+9) pin male
<b>Form Factor</b>	1.8 inch
<b>NAND Flash Type</b>	SLC
<b>Capacity</b>	32GB ~ 128GB
<b>External DRAM</b>	Yes
<b>Sustained Read Performance (MB/sec)</b>	Up to 560
<b>Sustained Write Performance (MB/sec)</b>	Up to 440
<b>ECC Engine</b>	Built-in 72 bit per 1K bytes BCH ECC
<b>IOPs (4K Random Write)</b>	76K
<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>	Yes
<b>Thermal Sensor</b>	No
<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: Random, 7.69(Grms), 20~2000(Hz) Non-operation: Sine wave, 15(G), 10~2000(Hz)
<b>Operating Voltage</b>	3.3V ± 5% / 5V ± 5%
<b>Power Consumption</b>	3.3V: 840 / 80 5V: 560 / 70
<b>Dimension (L x W x H)</b>	78.50 mm x 54.00 mm x 5.00 mm
<b>MTBF (hours)</b>	>2,000,000

## Mechanical Specification



Unit: mm

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

### Global Presence

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