

# Apacer

The Most **Reliable**  
Storage For Industries



## SFD 18A-M



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### Overview

Apacer's SFD18A-M is a well-balanced solid-state disk (SSD) drive with standard form factor and great performance.

Designed in SATA 6.0 Gbps 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.



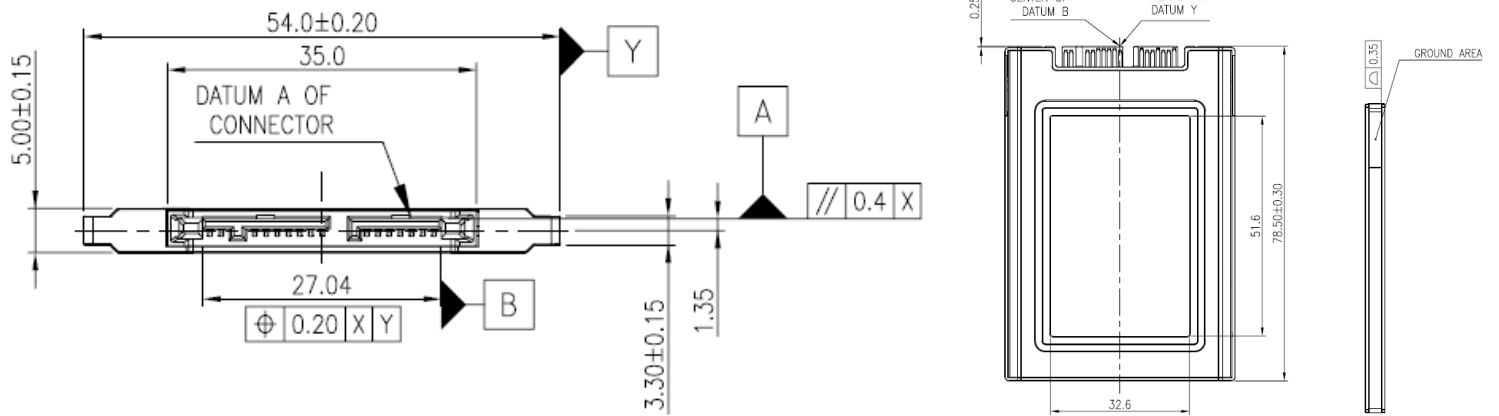
### Feature

- Perfect replacement of 1.8 inch SATA HDDs
- Global Wear-leveling and Block Management
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- Intelligent Power Failure Recovery
- TRIM Command Support
- DEVSLP Support (Optional)

## Specifications

<b>Model</b>	SFD18A-M
<b>Interface</b>	SATA 3.0 (6Gb/s)
<b>Connector</b>	(7+9) pin male
<b>Form Factor</b>	1.8
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	32GB~512GB
<b>External DRAM</b>	Yes
<b>Sustained Read Performance (MB/sec)</b>	Up to 510
<b>Sustained Write Performance (MB/sec)</b>	Up to 380
<b>ECC Engine</b>	Built-in 40-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>Thermal Sensor</b>	Optional
<b>Shock</b>	1500G (complied with MIL-STD810)
<b>Vibration</b>	15G (complied with MIL-STD810)
<b>Operating Voltage</b>	5.0 V ± 5% / 3.3 V ± 5%
<b>Power Consumption</b>	Active mode: 655 mA & Idle mode: 75 mA
<b>Dimension (L x W x H )</b>	78.5 x 54 x 5 (mm)
<b>MTBF (hours)</b>	>1,000,000

## Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

### Global Presence

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