

## mSATA SSD

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### SATA II 3Gb/s mSATA MSA520 SSD

Just one third the size of a business card, Transcend's mSATA MSA520 SSD lends itself to great design flexibility and cost savings. While small, mSATA MSA520 SSD features a high-bandwidth SATA 3Gb/s interface that helps bring the full performance benefits of SSD technology to tablets, ultrabooks, and other embedded storage applications.

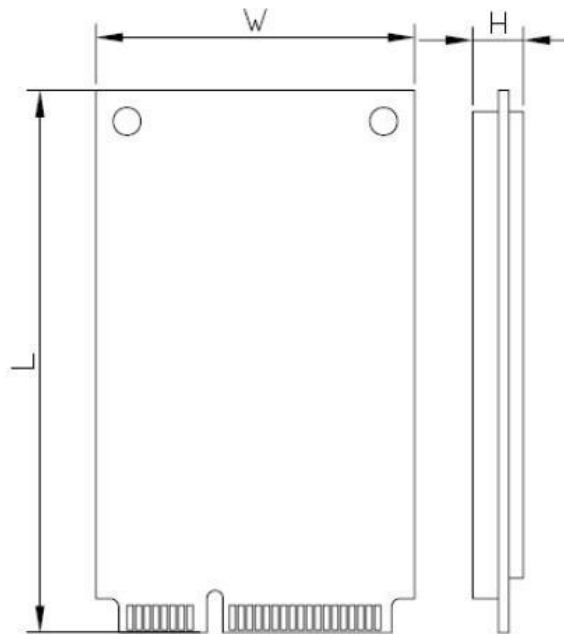
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#### Features

- RoHS compliant
- Fully compatible with devices and OS that support the SATA 3Gb/s standard
- Built-in ECC (Error Correction Code) functionality

- Power Shield
- Garbage Collection
- Support S.M.A.R.T. function
- Support Security Command
- Support StaticDataRefresh & EarlyRetirement technology to monitor error bit level and react before data is corrupted
- Advanced Global Wear-Leveling and Block management for reliability
- SLC NAND Flash

## Specifications



### Dimensions

Side	Millimeters	Inches
L	50.80 ± 0.15	2.000 ± 0.006
W	29.85 ± 0.15	1.175 ± 0.006
H	3.70 ± 0.10	0.146 ± 0.004

Interface (connector)	mSATA, 52P/mini PCI-e
Form Factor	MO-300A
Flash Type	SLC
Capacity(GB)	4GB
Max. Performance (Vary by density)	Read: 51MB/s, Write: 45MB/s
Op. Voltage(V)	3.3V±5%
Power Consumption (W)	0.87W(Active), 0.31W(Idle)
Op. Temp.(°C)	0°C~70°C
Storage Temp.(°C)	-40°C~85°C
Humidity(%)	0%~95%

Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios.

For special applications and environments, it is strongly suggested to contact Transcend beforehand for clarification.