

Datasheet

nanoSSD

3ME3 series

- Compliant with JEDEC MO-276 Specification
- SATA III 6Gbps
- Supports NCQ
- Intelligent Flash management & real time garbage collection
- Supports S.M.A.R.T, and iSMART utility
- Zero mechanical interference



Introduction

Innodisk nanoSSD is an integrated SATA storage device; it offers high performance, light weight, low power consumption and cost efficiency in a JEDEC MO-276(μ SSD) standard form factor. The nanoSSD combines with SATA III Flash controller, making it a great solution for a wide range embedded system, thin PC, automotive device, medical equipment and most industrial applications.

nanoSSD also comes with industrial level firmware design for extreme environments as well as the possibility for customized firmware to enhance the fitness in different applications.



innodisk

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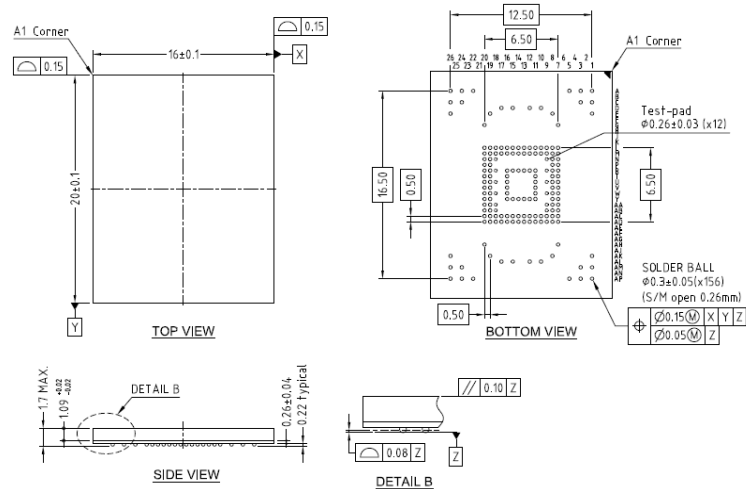
nanoSSD

3ME3 series

Drawing

Contact us for more information about the nanoSSD 3ME3

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the industrial/embedded, aerospace and defense, and cloud computing industries.



Specifications

Interface	SATA III 6Gb/s
Flash Type	MLC
Capacity (GB)	16, 32, 64, 128
Max. Channels	4
Sequential R/W (MB/sec, Max.)	410/140
Power rail	+3.3V, +1.8V, +1.2V $\pm 10\%$
Max. Power Consumption	2.3W
ATA Security	Supported
S.M.A.R.T.	Supported
Dimension (Max.)	16 X 20 X 1.7 mm
Environmental Specifications	Standard grade: $0^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Industrial grade: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Environment	Storage Temperature: $-55^{\circ}\text{C} \sim +95^{\circ}\text{C}$ MTBF: 3 million hours
OS Support	Windows series, Linux

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Ordering Information

Operation Temp.	16GB	32GB	64GB	128GB
Standard Grade ($0^{\circ}\text{C} \sim +70^{\circ}\text{C}$)	DENSD-16GD08BCASC	DENSD-32GD08BCADC	DENSD-64GD08BCAQC	DENSD-A28D08BCAQC
Industrial Grade ($-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$)	DENSD-16GD08BWASC	DENSD-32GD08BWADC	DENSD-64GD08BWAQC	DENSD-A28D08BWAQC



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