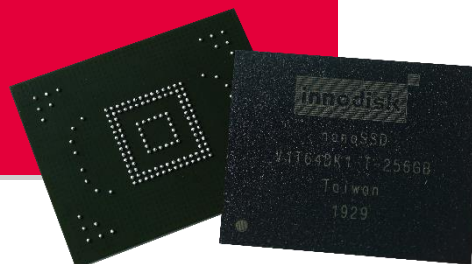


Datasheet

nanoSSD (μ SSD)

3TE7 series

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



Introduction

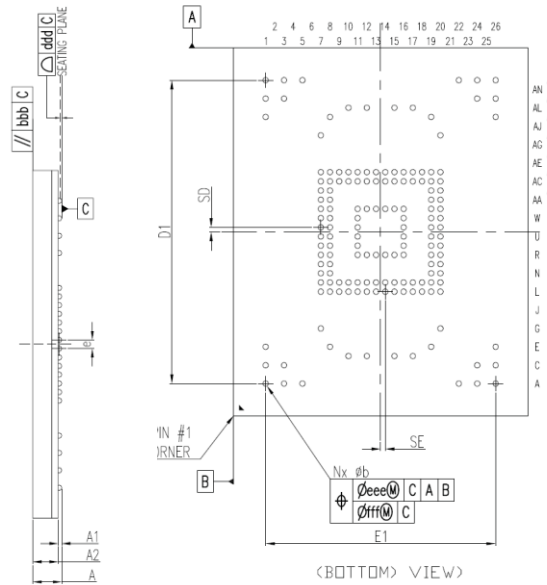
Innodisk nanoSSD is an integrated SATA storage device, include a NAND flash controller and latest NAND flash in a JEDEC MO-276(μ SSD) form factor with ball grid array (BGA) package. The nanoSSD supports SATA III 6Gbps within a tiny dimension, as well as low power consumption and high reliability. It offers an ideal solution for embedded, automotive, medical, gaming and most industrial applications.

nanoSSD 3TE7 series

Drawing

Contact us for more information about the nanoSSD 3TE7

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.



SYMBOL	DIMENSION IN MM			DIMENSION IN INCH		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	1.60	1.67	1.74	0.063	0.066	0.069
A1	---	0.21	---	---	0.008	---
A2	---	1.46	---	---	0.057	---
b	0.25	0.30	0.35	0.010	0.012	0.014
D	19.90	20.00	20.10	0.783	0.787	0.791
E	15.90	16.00	16.10	0.626	0.630	0.634
e	0.50 BSC.			0.020 BSC.		
JEDEC	MO-276(REF.)/MM					
aaa	0.15					
bbb	0.20					
ddd	0.08					
eee	0.15					
fff	0.05					
N	SE (mm)	SD (mm)	E1 (mm)	D1 (mm)		
156	0.25 BSC.	0.25 BSC.	12.50 BSC.	16.50 BSC.		

Specifications

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20230413

Interface	SATA III
Flash Type	3D TLC
Flash P/E Cycle Limit	3000
Capacity	32GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	550/260
Voltage	3.3V
Max. Power Consumption	0.9W
Thermal Sensor	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	16 X 20 X 1.74 mm
Operation Temp.	Standard: 0°C ~ +70°C
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DENSD-32GDK1ECASL	DENSD-64GDK1ECADL	DENSD-A28DK1ECAQL	DENSD-B56DK1ECAQL