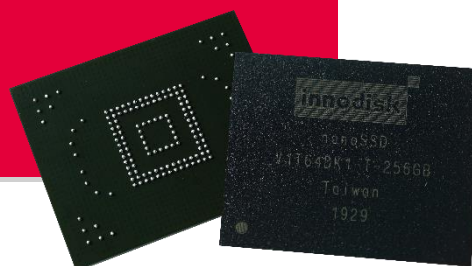


Datasheet

# nanoSSD ( $\mu$ 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

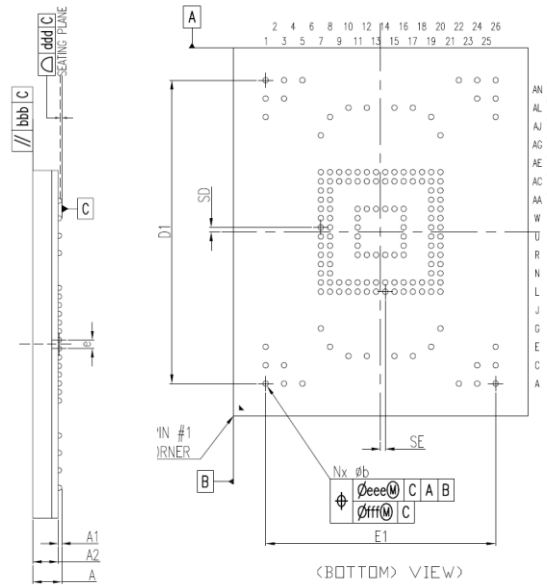
Innodisk nanoSSD is an integrated SATA storage device, include a NAND flash controller and latest NAND flash in a JEDEC MO-276( $\mu$ SSD) form factor with ball grid array (BGA) package. The nanoSSD supports SATA III 6Gbps within a tiny dimension, as well as low power consumption and high reliability. 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 3ME**

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

### Headquarters (Taiwan)

9F., No.100, Sec. 1, Xintai 5th Rd.,  
Xizhi Dist., New Taipei City,  
Taiwan (R.O.C.)  
Tel: +886-2-26963000  
Email: sales@innodisk.com

### Branch Offices:

USA  
[usasales@innodisk.com](mailto:usasales@innodisk.com)  
+1-510-770-9421  
Europe  
[eusales@innodisk.com](mailto:eusales@innodisk.com)  
+31-040-282-2382  
Japan  
[jpsales@innodisk.com](mailto:jpsales@innodisk.com)  
+81-3-6661-9846  
China  
[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)  
+86-755-21673689  
[www.innodisk.com](http://www.innodisk.com)

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20220713

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