

Datasheet

# M.2 (S80) 3TEA series

- M.2 SATA III DRAM-less solution
- Compatible with M.2 2280-D2-B-M standard
- Strong R/W Performance
- iSMART disk health monitoring
- Flexible NAND flash supply
- 100% good die
- warranty 2 year

## Introduction

Innodisk M.2 (S80) 3TEA is SATA III 6.0 Gb/s disk with 3D NAND Flash, incorporate advanced controllers with powerful LDPC technology that extended lifespan through reducing the bad block number happening.

In 3TEA series, Innodisk keep with outstanding high IOPS and NAND Flash management features like wear-levelling, garbage collection, ATA Security, etc. More important, we keep our attentive service & controlled product supply promise to value customer need in the market.

# M.2 (S80) 3TEA series

Contact us for more information about the M.2 (S80) 3TEA.

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

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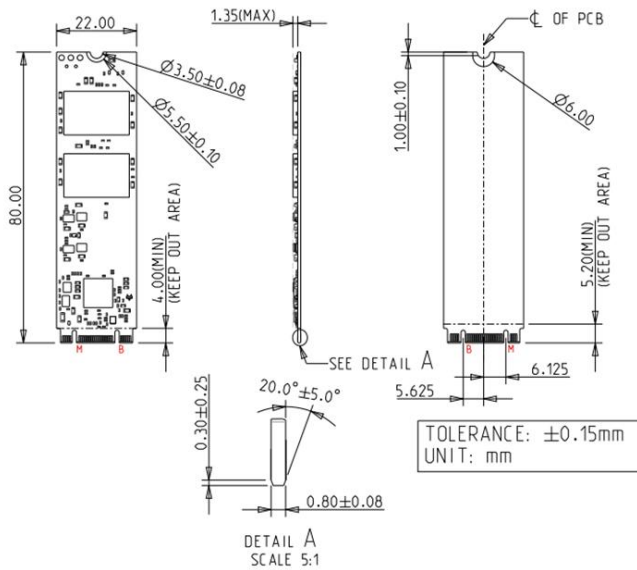
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## Diagram



## Specifications

Interface	SATA III
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~512GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	550 / 470
4KB Random (QD32) R/W (IOPS)*	68,000 / 73,000
Max. Power Consumption	1.9W
Thermal Sensor	✓
External DRAM buffer	-
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	22.0 X 80.0 X 3.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: 0°C ~ +70°C MTBF: 3 million hours
* Sequential performance based on CystalDiskMark 5.1.2 with file size 1000MB	

## Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DEM28-A28DZ1KCADL	DEM28-B56DZ1KCADL	DEM28-C12DZ1KCADL