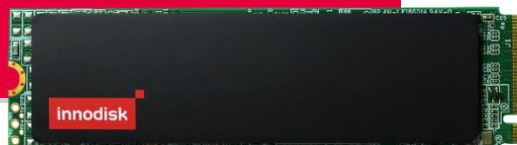


Datasheet

# M.2 (P80) 4TS2-P series

- PCIe Gen. 4x4, NVMe 1.4 for Edge Server field
- Excellent data transfer speed
- Stable sustained performance
- Heat-spreading design
- LDPC ECC engine supported.
- Thermal Throttling management
- 256-bit AES hardware-based encryption
- Support TCG Opal Function (Optional)



## Introduction

Innodisk M.2 (P80) 4TS2-P is an NVM Express SSD designed as the standard M.2 form factor with PCIe interface and 3D TLC NAND Flash. M.2 (P80) 4TS2-P supports PCIe Gen. 4x4, and it is compliant with NVMe 1.4 providing excellent performance. M.2 (P80) 4TS2-P with heat-spreading design dissipate heat generating from IC making SSD perform more steady. M.2 (P80) 4TS2-P has Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk M.2 (P80) 4TS2-P provides ultra-speed and high IOPS making the SSD optimal for server and heavy data workload applications.

# M.2 (P80) 4TS2-P series

Contact us for more information  
about the M.2 (P80) 4TS2-P.

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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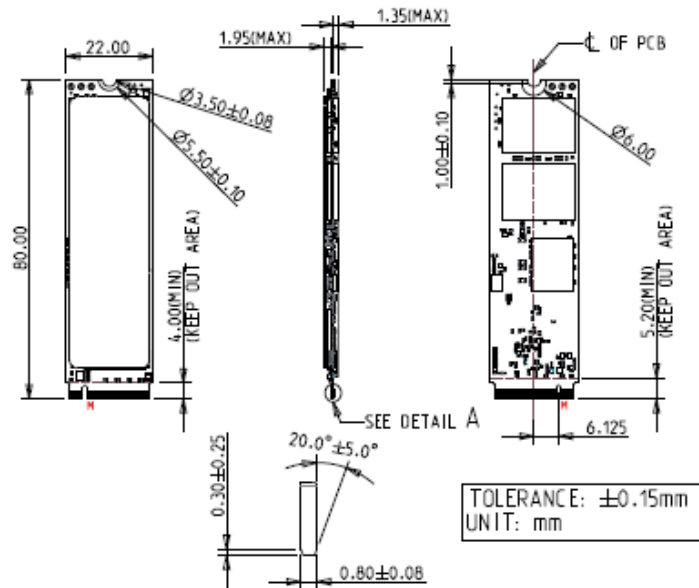
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## Diagram(ST)



Contact us for more information about the M.2 (P80) 4TS2-P.

## Specifications

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Interface	PCIe Gen. 4x4	
Flash Type	3D TLC	
P/E cycle	7,000	
DWPD	1	2
Capacity	480GB/960GB/1.92TB	400GB/800GB/1.6TB
Max. Channels	8	
Sequential R/W (MB/sec, max.)	6,800/4,650	
Max. Power Consumption	9.3W	
Thermal Sensor	√	
External DRAM buffer	√	
H/W Write Protect	NA	
TCG Opal	√ (Optional)	
Dimension (WxLxH)	ST with heat-spreading copper layer: 22.0 X 80.0 X 3.95 mm	
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours	

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## Ordering Information

Operation Temp.	400GB	800GB	1.6TB
Standard Grade (0°C ~ +70°C)	DSM28-400DP1NCCEF DSM28-400DP2NCCEF	DSM28-800DP1NCCEF DSM28-800DP2NCCEF	DSM28-1T6DP1NCCEF DSM28-1T6DP2NCCEF
	480GB	960GB	1.92TB
	DSM28-480DP1NCCEF DSM28-480DP2NCCEF	DSM28-960DP1NCCEF DSM28-960DP2NCCEF	DSM28-1T9DP1NCCEF DSM28-1T9DP2NCCEF

For TCG OPAL function, the PN Code 10<sup>th</sup>~12<sup>th</sup> will be DP2.

