

Datasheet

M.2 (P42) 4TE2 series

- PCIe Gen 4 x4, NVMe 1.4
- Excellent data transfer speed
- Heat-spreading design
- Thermal Throttling management
- iPower Guard/ iData Guard supported.



Introduction

Innodisk M.2 (P42) 4TE2 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P42) 4TE2 supports PCIe Gen 4 x4 and it is compliant with NVMe 1.4 providing excellent top and sustained performance. With sophisticated error detection and correction (ECC) functions, the module can provide full End-to-end Data Path Protection that secures the data transmission between the host system and NAND Flash.

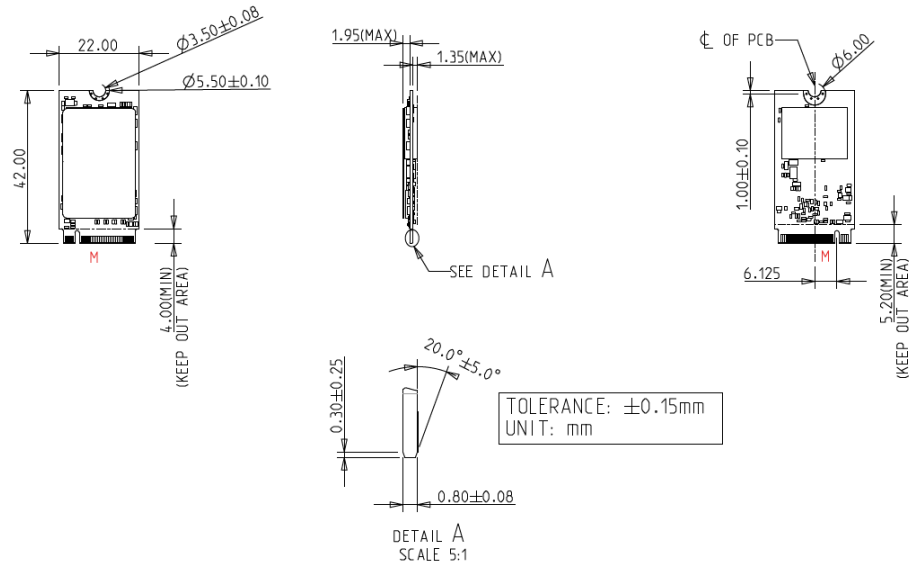
M.2 (P42)

4TE2 series

Contact us for more information
about the M.2 (P42) 4TE2.

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.

Diagram (ST)



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Specification

Interface	PCIe Gen4 x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~2TB
Max. Channels	4
Sequential R/W (MB/s, Max)	3,500/2,850
Max. Power Consumption (RMS)	5.0W
Thermal Sensor	√
External DRAM buffer	N/A
H/W Write Protect	N/A
S.M.A.R.T	√
Dimension (WxLxH)	22.0 x 42.0 x 4.1 mm (with heat-spreading copper layer)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DEM24-A28DF1KCADL	DEM24-B56DF1KCAQL	DEM24-C12DF1KCAQL	DEM24-01TDF1KCAQL	DEM24-02TDF1KCAQQ