

Datasheet

M.2 (P42) 3TE4 series

- PCIe Gen. III x4, NVMe 1.3
- DRAM-less Solution
- Anti-Vibration mechanical design
- Dynamic Thermal Management
- iPower Guard Protection



Introduction

Innodisk M.2 (P42) 3TE4 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P42) 3TE4 supports PCIe Gen III x 4 and it is compliant with NVMe 1.3 providing excellent top and also outstanding sustained performance. With sophisticated error detection and correction (ECC) functions, the module can ensure full End-to-End data path protection that secures the data transmission between host system and NAND Flash.

M.2 (P42)

3TE4 series

Contact us for more information
about the M.2 (P42) 3TE4.

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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Diagram (ST)

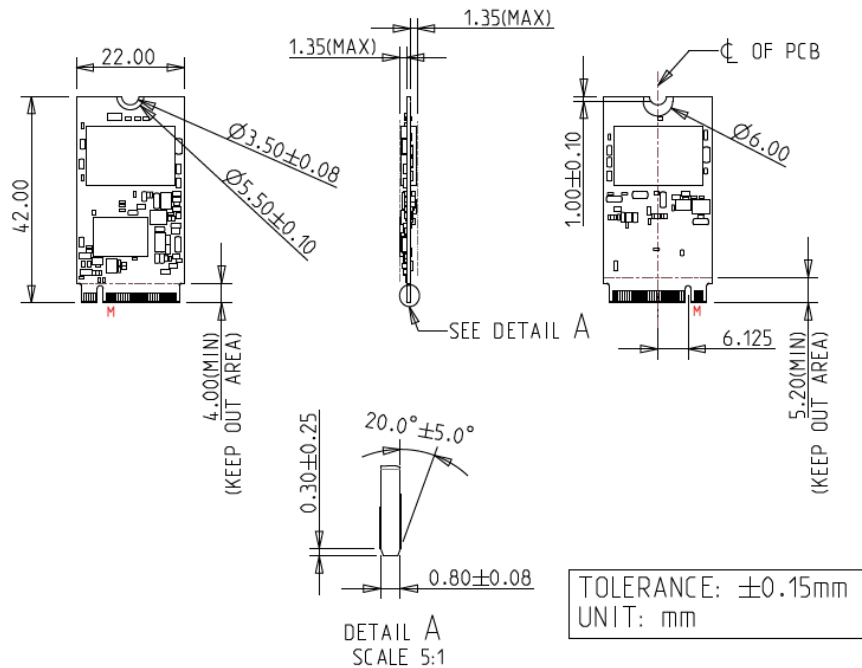
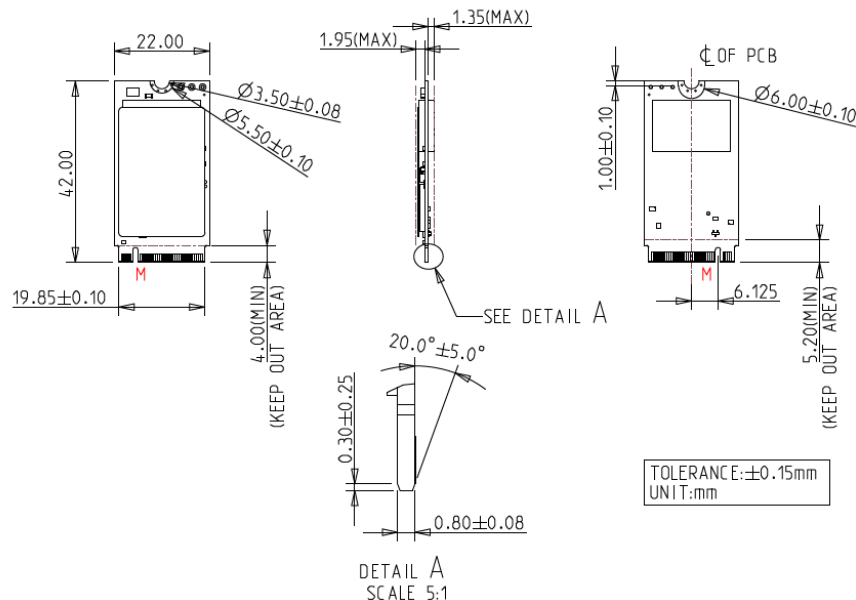


Diagram (WT)



Specifications

Interface	PCIe Gen. III x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~512GB
Max. Channels	4
Sequential R/W (MB/s, Max)	2,600/1,750
Max. Power Consumption (RMS)	3.9W
Thermal Sensor	√
External DRAM buffer	NA
H/W Write Protect	NA
iCell	NA
Dimension (WxLxH)	22.0 X 42.0 X 1.35 mm
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
Standard Grade (0°C ~ +70°C)	DEM24-A28IB1KCADF	DEM24-B56IB1KCAQF	DEM24-C12IB1KCAQF
Industrial Grade (-40°C ~85°C)	DEM24-A28IB1KWADF	DEM24-B56IB1KWAQF	DEM24-C12IB1KWAQF