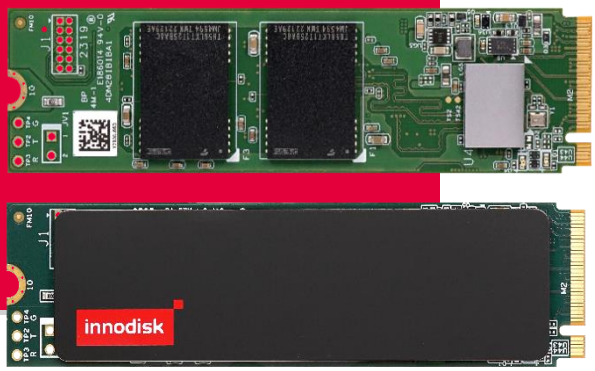
Datasheet

M.2 (P80) 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 (P80) 3TE4 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P80) 3TE4 supports PCIe Gen III x 4 and it is compliant with NVM 1.3 providing excellent top and 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 (P80)

3TE4 series

Contact us for more information about the M.2 (P80) 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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Specifications are subject

Diagram (ST)

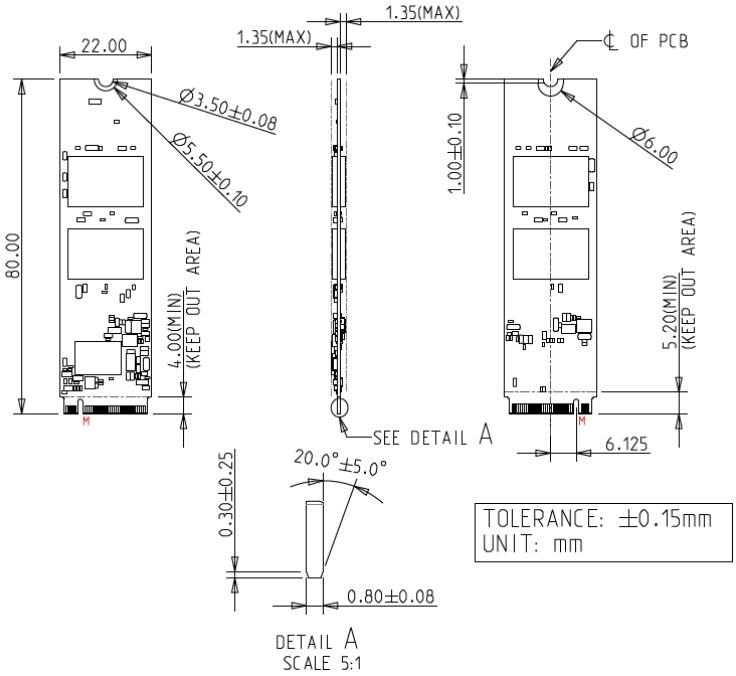
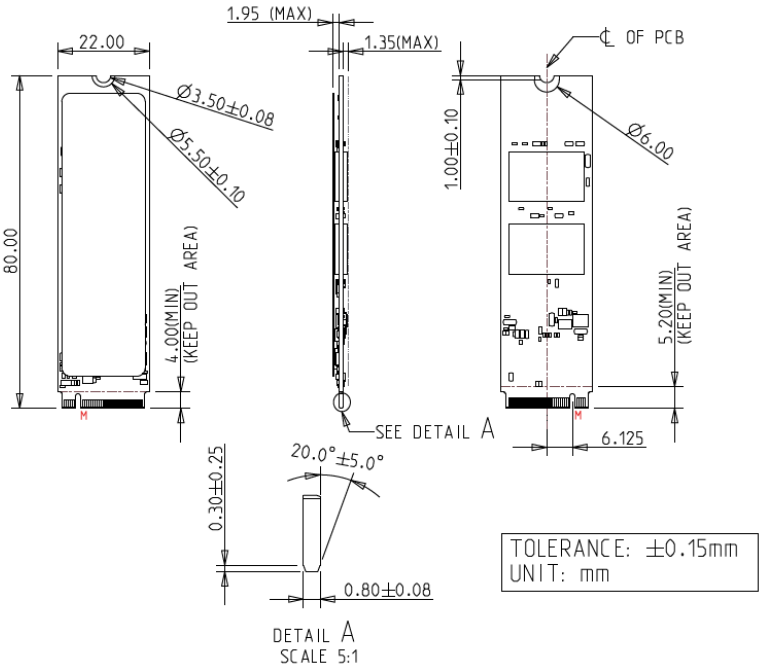


Diagram (WT)



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Specifications

Interface	PCIe Gen. III x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~1TB
Max. Channels	4
Sequential R/W (MB/s, Max)	2,600/1,800
Max. Power Consumption (RMS)	4W
Thermal Sensor	√
External DRAM buffer	NA
H/W Write Protect	NA
iCell	NA
Dimension (WxLxH)	22.0 X 80.0 X 3.0 mm 22.0 X 80.0 X 3.6 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
Standard Grade (0°C ~ +70°C)	DEM28-A28IB1KCADF	DEM28-B56IB1KCAQF	DEM28-C12IB1KCAQF	DEM28-01TIB1KCAQF
Industrial Grade (-40°C ~ +85°C)	DEM28-A28IB1KWADF	DEM28-B56IB1KWAQF	DEM28-C12IB1KWAQF	DEM28-01TIB1KWAQF