

Datasheet

M.2 (P80) 3TE4 B+M Key

- PCIe Gen. III x2, NVMe 1.3
- DRAM-less Solution
- Anti-Vibration mechanical design
- Dynamic Thermal Management
- iPower Guard Protection



Introduction

Innodisk M.2 (P80) 3TE4 B+M key is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P80) 3TE4 B+M Key supports PCIe Gen III x 2 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 B+M Key

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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Diagram (ST)

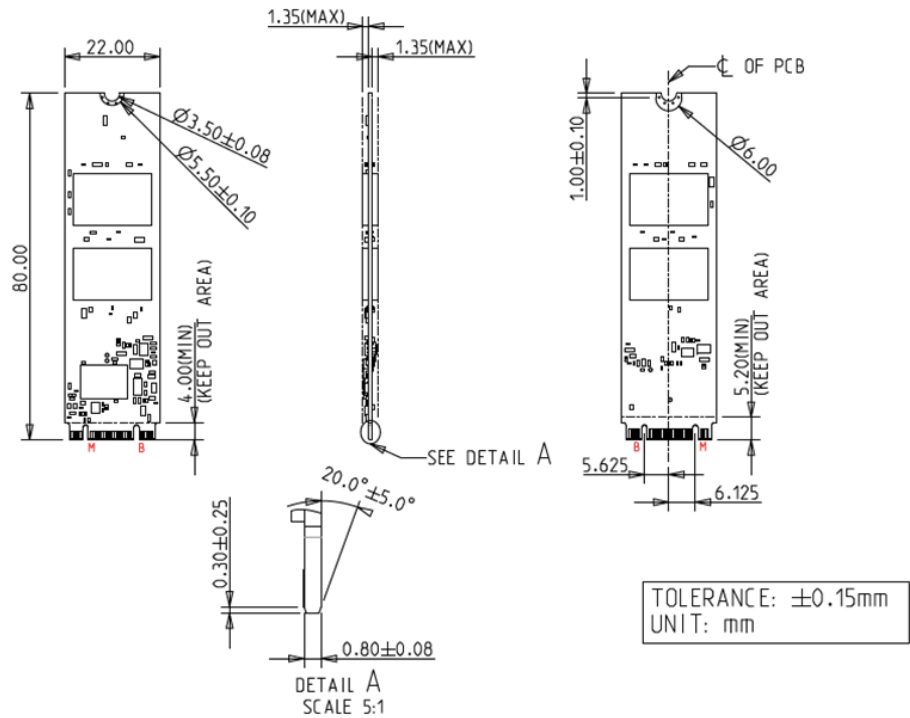
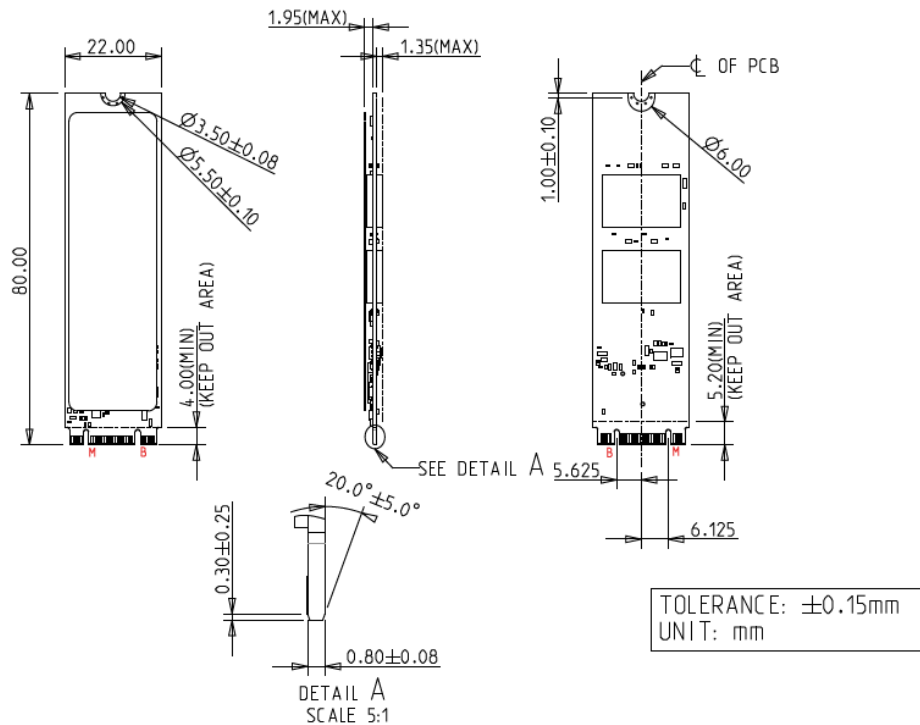


Diagram (WT)



Specifications

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Interface	PCIe Gen. III x2
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~1TB
Max. Channels	4
Sequential R/W (MB/s, Max)	1,750/1,500
Max. Power Consumption (RMS)	3.4W
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-A28IB1KCCDF	DEM28-B56IB1KCCQF	DEM28-C12IB1KCCQF	DEM28-01TIB1KCCQF
Industrial Grade (-40°C ~ +85°C)	DEM28-A28IB1KWCDF	DEM28-B56IB1KWCQF	DEM28-C12IB1KWCQF	DEM28-01TIB1KWCQF