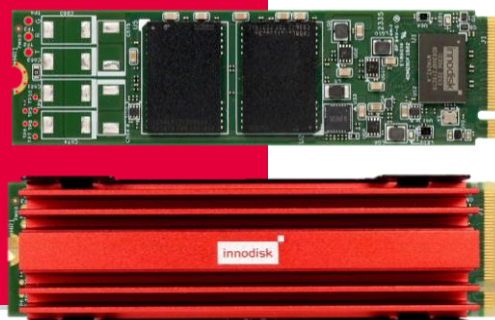


Datasheet

M.2 (P80) 4IE2 series

- PCIe Gen4 x4, NVMe 1.4
- Ultra iSLC technology
- Excellent data transfer speed
- Heat-spreading design
- iPower Guard / iData Guard
- Thermal Throttling Management
- iCell technology for power loss protection
- 256 bit AES hardware based encryption



Introduction

Innodisk M.2 (P80) 4IE2 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P80) 4IE2 supports PCIe Gen4 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 (P80) 4IE2 series

Contact us for more information
about the M.2 (P80) 4IE2.

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)

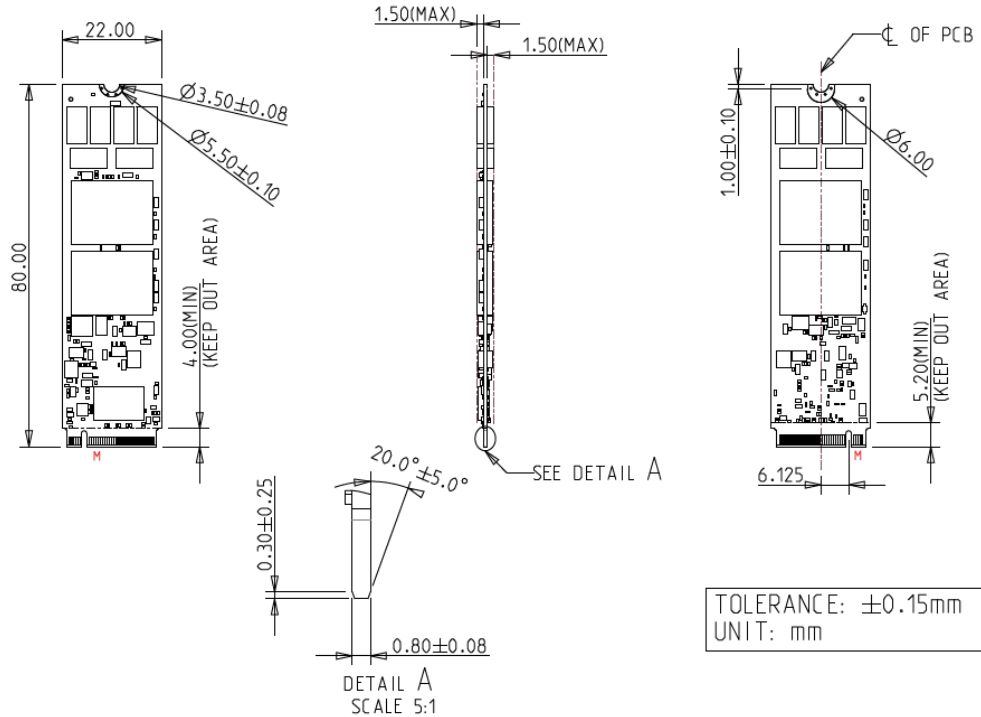
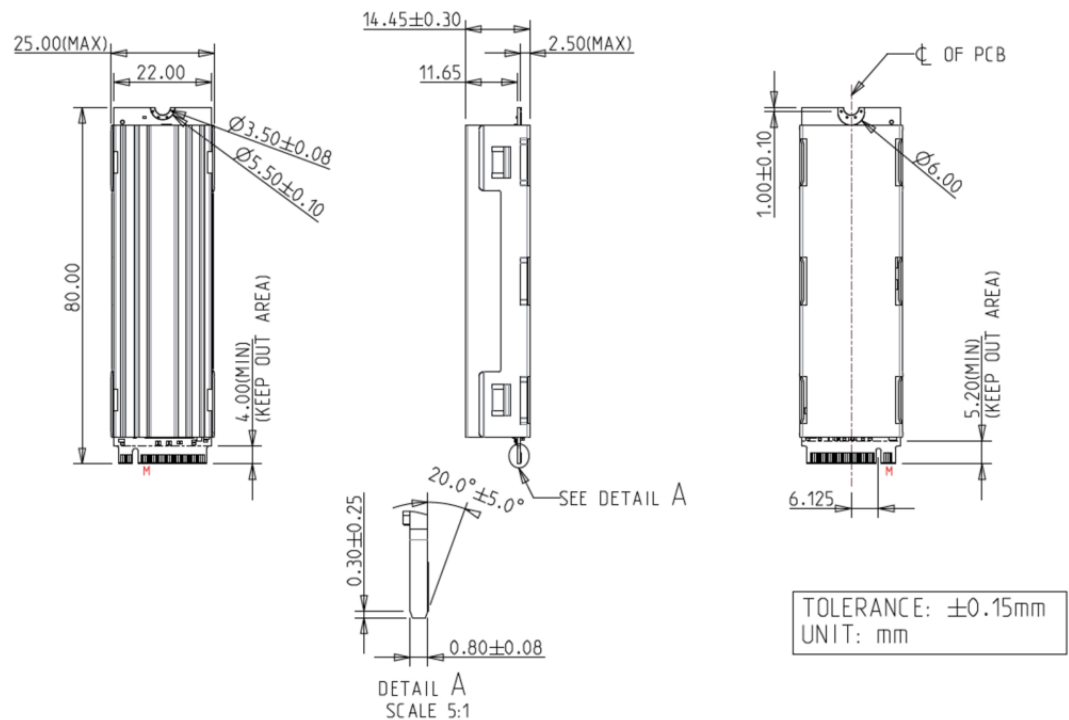


Diagram (WT)



Specifications

Contact us for more information about the M.2 (P80) 41E2.

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Interface	PCIe Gen4 x4
Flash Type	iSLC (3D TLC)
P/E cycle	100,000
Capacity	40GB~640GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	3,550/3,300
Max. Power Consumption	5.1W
Thermal Sensor	√
External DRAM buffer	N/A
H/W Write Protect	N/A
S.M.A.R.T.	√
PLP (iCell)	√ (Optional)
Dimension (WxLxH)	22.0 x 80.0 x 3.8 mm (ST) 25.0 x 80.0 x 14.45 mm (WT with heatsink)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	40GB	80GB	160GB	320GB	640GB
Standard Grade (0°C ~ +70°C)	DHM28-40GDF1KCADF(P)	DHM28-80GDF1KCAQF(P)	DHM28-A60DF1KCAQF(P)	DHM28-D2GDF1KCAQF(P)	DHM28-F4GDF1KCAQF(P)
Industrial Grade (-40°C ~ +85°C)	DHM28-40GDF1KWADF(P)H	DHM28-80GDF1KWAQF(P)H	DHM28-A60DF1KWAQF(P)H	DHM28-D2GDF1KWAQF(P)H	DHM28-F4GDF1KWAQF(P)H

(P): PLP (iCell) (optional)
For TCG OPAL function, the PN Code 10th~12th will be DF2.

