Datasheet

M.2 (P80) 3TG6-P series

- PCIe Gen. III x4, NVMe 1.3
- Excellent data transfer speed
- Stable sustained performance
- Heat-spreading design
- LDPC ECC engine supported.



Introduction

Innodisk M.2 (P80) 3TG6-P is an NVM Express SSD designed as the standard M.2 form factor with PCIe interface and 3D TLC NAND Flash. M.2 (P80)3TG6-P supports PCIe Gen III x4, and it is compliant with NVMe 1.3 providing excellent performance. M.2 (P80) 3TG6-P with heat-spreading design dissipate heat generating from IC making SSD perform more steady. M.2 (P80) 3TG6-P have Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk M.2 (P80) 3TG6-P provides ultra-speed and high IOPS and offers maximum capacity up to 1TB, making the SSD optimal for server and heavy data workload applications.

M.2 (P80)
3TG6-P series

Contact us for more information about the M.2 (P80) 3TG6-P.

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.

Headquarters (Taiwan)

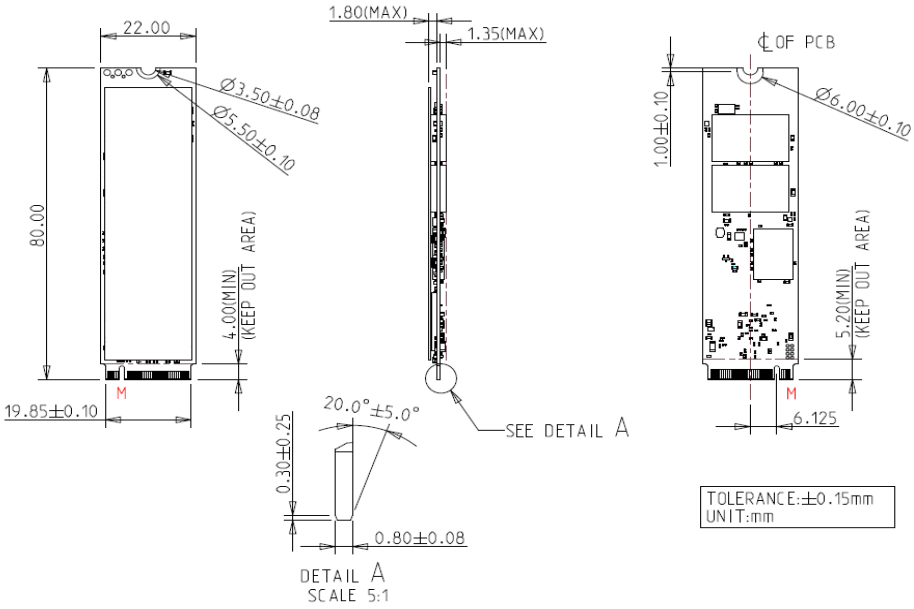
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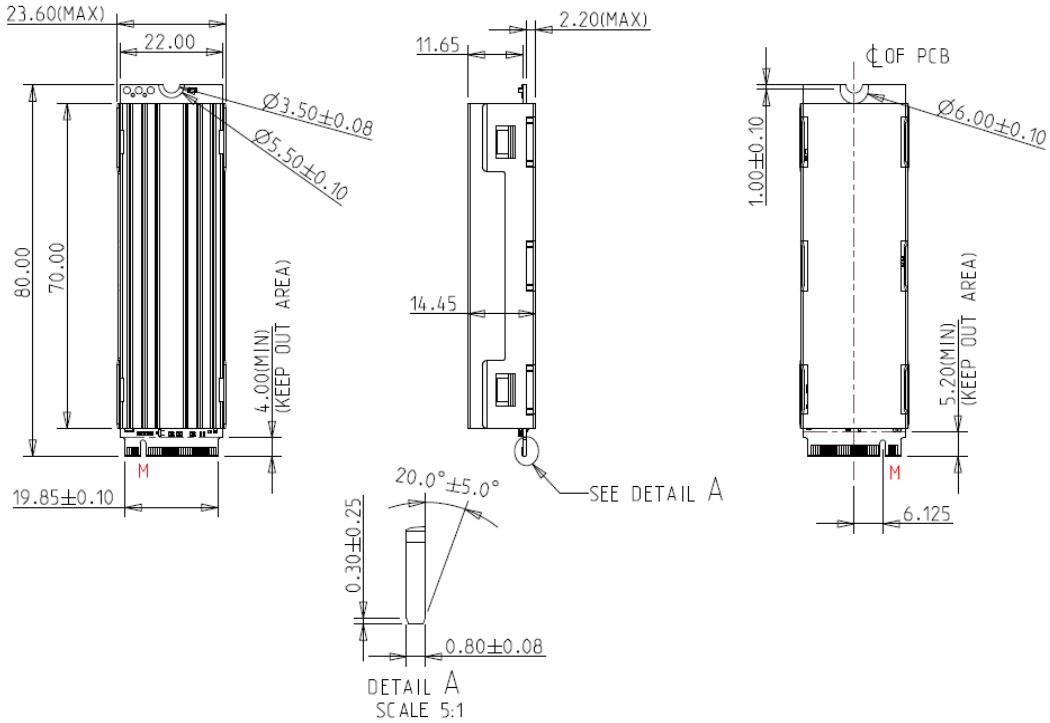
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Diagram(ST)



Diagram(WT)



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20220520

Specifications

Interface	PCIe Gen. III x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~1TB
Max. Channels	8
Sequential R/W (MB/sec, max.)	3500/2500
Max. Power Consumption	5.8W
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	NA
Dimension (WxLxH)	ST with heat-spreading copper layer: 22.0 X 80.0 X 3.95 mm WT with heatsink: 23.6 X 80.0 X 14.45 mm (Pure M.2: 22.0 X 80.0 X 3.5 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	1TB
Standard Grade (0°C ~ +70°C)	DGM28-A28DC1%CADL	DGM28-B56DC1%CAQL	DGM28-C12DC1%CAEL	DGM28-01TDC1%CAEL
Industrial Grade (-40°C ~ +85°C)	DGM28-A28DC1GWADLH	DGM28-B56DC1GWAQLH	DGM28-C12DC1GWAELH	DGM28-01TDC1GWAELH

%. G: 96 layers 3D TLC / K: 112 Layers 3D TLC