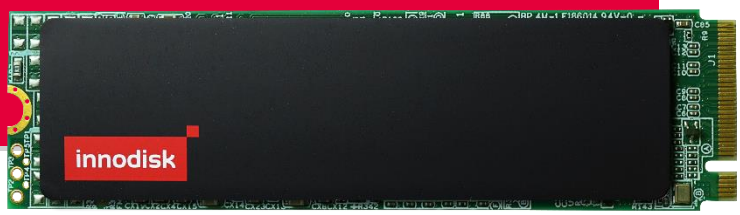
Datasheet

M.2 (P80) 4TG2-P series

- PCIe Gen. IVx4, NVMe 1.4
- Excellent data transfer speed
- Stable sustained performance
- Heat-spreading design
- LDPC ECC engine supported.
- Thermal Throttling management



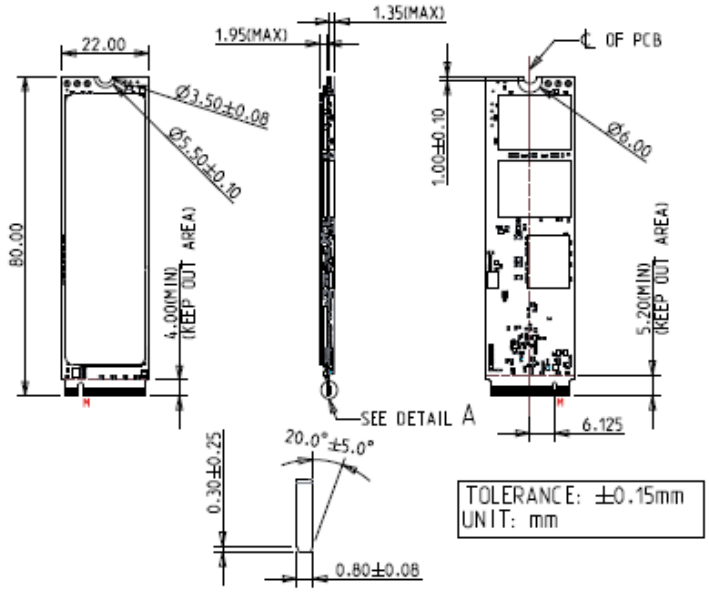
Introduction

Innodisk M.2 (P80) 4TG2-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) 4TG2-P supports PCIe Gen IV x4, and it is compliant with NVMe 1.4 providing excellent performance. M.2 (P80) 4TG2-P with heat-spreading design dissipate heat generating from IC making SSD perform more steady. M.2 (P80) 4TG2-P have Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk M.2 (P80) 4TG2-P provides ultra-speed and high IOPS and offers maximum capacity up to 4TB, making the SSD optimal for server and heavy data workload applications.

M.2 (P80)
4TG2-P series

Diagram(ST)



Interface	PCIe Gen. IV x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	512GB~4TB
Max. Channels	8
Sequential R/W (MB/sec, max.)	7,100/5,200
Max. Power Consumption	7.9W
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
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

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Ordering Information

Operation Temp.	512GB	1TB	2TB	4TB
Standard Grade (0°C ~ +70°C)	DGM28-C12DP1KCAEF	DGM28-01TDP1KCAEF	DGM28-02TDP1KCAEF	DGM28-04TDP1KCAEF
Industrial Grade (-40°C ~ +85°C)	NA	NA	NA	NA