

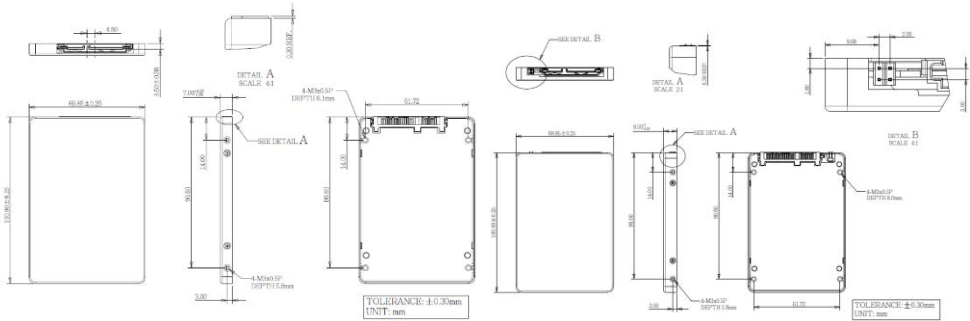
2.5" SATA SSD

3TG6-P series

Drawing

* DGS25-XXXM71XXXQF (128GB-4TB/single board)

* DGS25-08TM71XXXQF (4TB/8TB) Dual Board



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~8TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	560 / 510 MB/s
4KB Random (QD32) R/W (IOPS)*	82000 / 68000
Max. Power Consumption	12.3 W
Thermal Sensor	√
External DRAM Buffer	√
AES encryption	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	69.8 X 100.0 X 7.0 mm ³ (128GB ~ 4TB, Single Board) 69.8 X 100.0 X 9.5 mm ³ (4TB/8TB, Dual Board)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours
* Sequential performance based on CystalDiskMark 6.0.2 with file size 1000MB of Queue Depth 32	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB	1TB	2TB	4TB	8TB
Standard Grade (0°C ~ +70°C)	DGS25-A28M71*C**QF(P)	DGS25-B56M71*C**QF(P)	DGS25-C12M71*C**QF(P)	DGS25-O1TM71*C**QF(P)	DGS25-O2TM71*CAQF(P)	DGS25-O4TM71*C(A)BOF	DGS25-O8TM71*CBQF
Industrial Grade (-40°C ~ +85°C)	DGS25-A28M71*W**QF(P)	DGS25-B56M71*W**QF(P)	DGS25-C12M71*W**QF(P)	DGS25-O1TM71*W**QF(P)	DGS25-O2TM71*WAOF(P)	DGS25-O4TM71*W(A)BOF	DGS25-O8TM71*WBOF

*. E: 64 layers 3D TLC; G: 96 layers 3D TLC; K: 112 layers 3D TLC

** 1/3/A/C: PCB version control