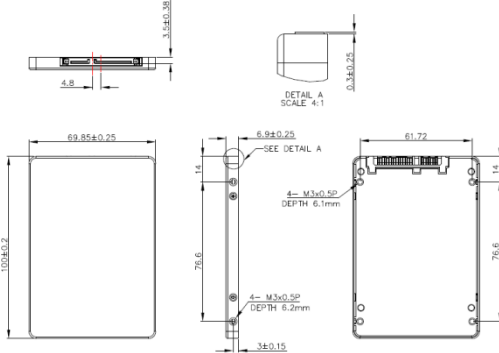


2.5" SATA SSD

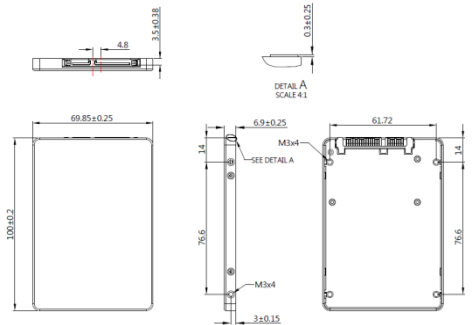
3MG2-P series

Drawing

* DGS25-XXXD81BX1XC



* DGS25-XXXD81BX3XC



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~2TB (2TB is compliant with 9.5 mm height housing)
Max. Channels	4
Sequential R/W (MB/sec, max.)*	520 / 480 MB/s
4KB Random (QD32) R/W (IOPS)*	70,000/64,000
Max. Power Consumption	6 W (5V x 1.2A)
Thermal Sensor	√
External DRAM Buffer	√
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
DEVSUP Mode	√ (min. power consumption 3mW)
Slumber Mode	√ (min. power consumption 30mW)
Dimension (WxLxH)	69.8 X 100.0 X 6.8 mm(8GB-1TB) 69.8 X 100.0 X 9.5 mm(2TB)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

* Sequential performance based on CrystalDiskMark 3.03 with file size 1000MB

Ordering Information

(Please refer to TPS for detail)

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DGS25-08GD81*C3SC DGS25-08GD81*C1SC(P)	DGS25-16GD81*C3DC DGS25-16GD81*C1DC(P)	DGS25-32GD81*C3QC DGS25-32GD81*C1QC(P) DGS25-32GD81*CADN(P)	DGS25-64GD81*C1QC(P) DGS25-64GD81*CAQN(P)	DGS25-A28D81*C1QC(P) DGS25-A28D81*CAQN(P)	DGS25-B56D81*C1QC(P) DGS25-B56D81*CAQN(P)	DGS25-C12D81*C1QC(P) DGS25-C12D81*CAQN(P)	DGS25-01TD81*CAQC(P) DGS25-01TD81*CAQN(P)	DGS25-02TD81*CAQC DGS25-02TD81*CAQN
Industrial Grade (-40°C ~ +85°C)	DGS25-08GD81*W3SC DGS25-08GD81*W1SC(P)	DGS25-16GD81*W3DC DGS25-16GD81*W1DC(P)	DGS25-32GD81*W3QC DGS25-32GD81*W1QC(P) DGS25-32GD81*WADN(P)	DGS25-64GD81*W1QC(P) DGS25-64GD81*WAQN(P)	DGS25-A28D81*W1QC(P) DGS25-A28D81*WAQN(P)	DGS25-B56D81*W1QC(P) DGS25-B56D81*WAQN(P)	DGS25-C12D81*W1QC(P) DGS25-C12D81*WAQN(P)	DGS25-01TD81*WAQC(P) DGS25-01TD81*WAQN(P)	DGS25-02TD81*WAQC DGS25-02TD81*WAQN

Note: C stands for Toshiba flash/N stands for Micron flash. P is optional for icell
*S: Toshiba A19nm MLC and Micron 16nm MLC/ B: Toshiba 15nm