

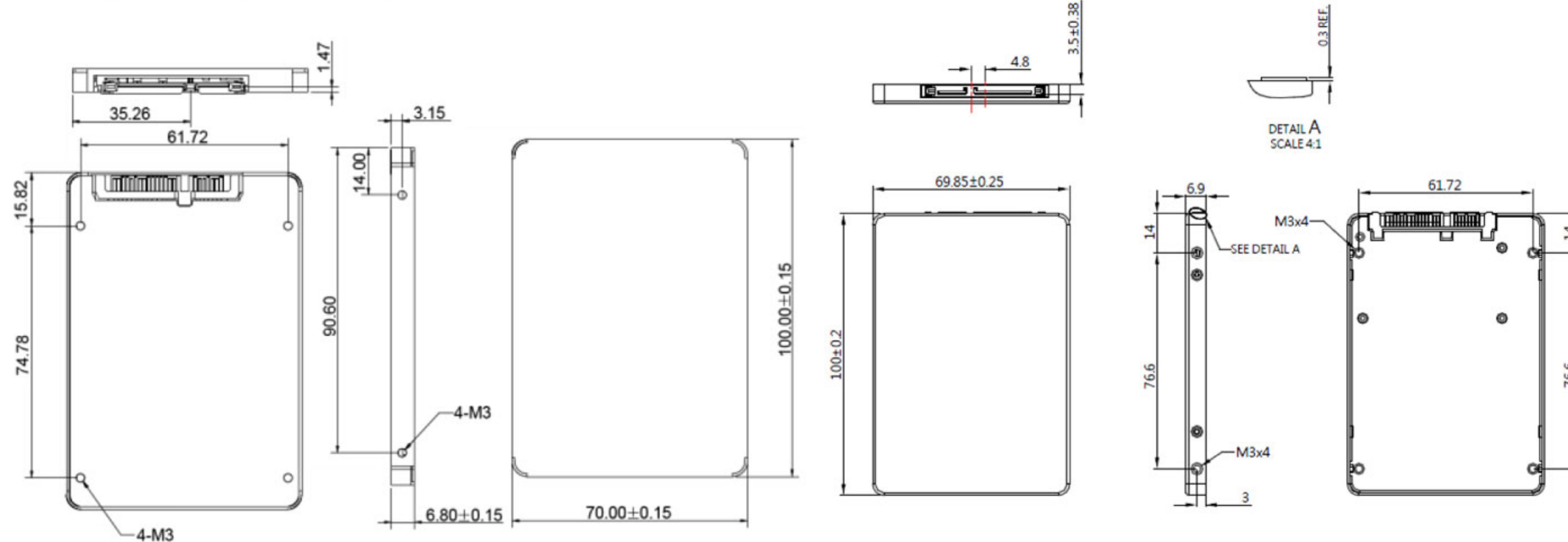
# 2.5" SATA SSD

## 3MG2-P series

### Drawing

\* DGS25-XXXD81SX1XC

\* DGS25-XXXD81SX3XC



### Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	520 / 450 MB/s (Toshiba MLC) 520 / 300 MB/s (Micron MLC)
4KB Random (QD32) R/W (IOPS)**	70,000/25,000
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.	√
DEVSLEEP Mode	√ (min. power consumption 3mW)
Slumber Mode	√ (min. power consumption 30mW)
Dimension (WxLxH)	70.0 X 100.0 X 6.8 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

\* Sequential performance based on CrystalDiskMark 3.01 with file size 1000MB

\*\* Random performance based on IOMeter with Queue Depth 32

### Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DGS25-08GD81SC3SC	DGS25-16GD81SC3DC	DGS25-32GD81SC3QC	DGS25-64GD81SC1QC(P)	DGS25-A28D81SC1QC(P)	DGS25-B56D81SC1QC(P)	DGS25-C12D81SC1QC(P)	DGS25-01TD81SCAQC(P)
Industrial Grade (-40°C ~ +85°C)	DGS25-08GD81SW3SC	DGS25-16GD81SW3DC	DGS25-32GD81SW3QC	DGS25-64GD81SW1QC(P)	DGS25-A28D81SW1QC(P)	DGS25-B56D81SW1QC(P)	DGS25-C12D81SW1QC(P)	DGS25-01TD81SWAQC(P)