



mSATA 3MG2-P

HIGHLIGHT FEATURES

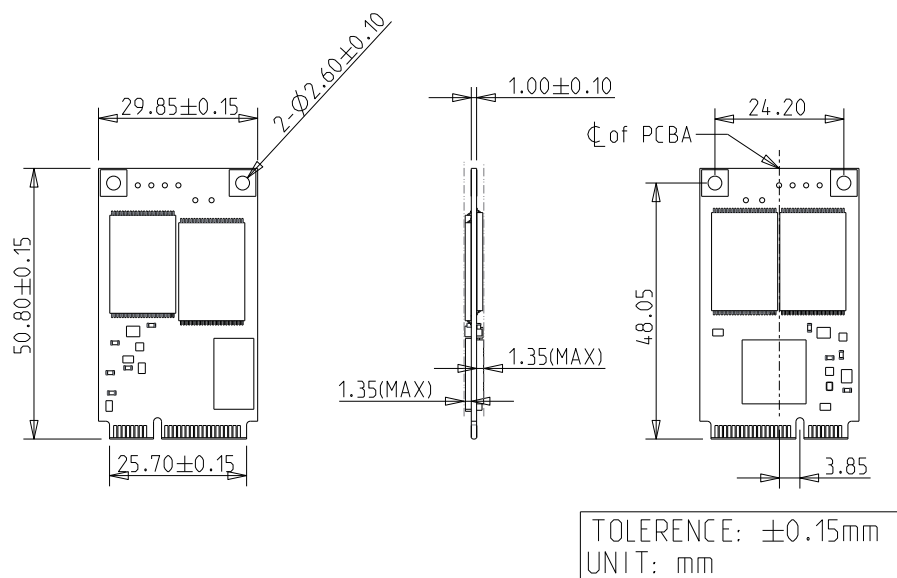
- JEDEC MO-300 standard dimension
- High IOPS by on-board DRAM design
- Intelligent error recovery system
- iSMART disk health monitoring
- Zero mechanical interference
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

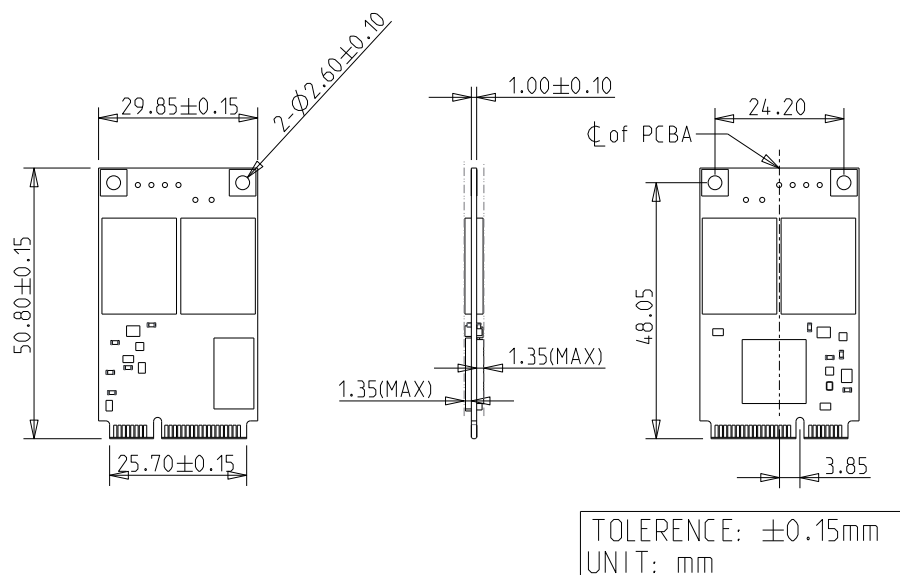
Model Name	mSATA 3MG2-P
Flash Type	MLC
Interface	SATA III 6.0 Gb/s
Form Factor	MO-300
Capacity	8GB ~ 1TB
Sequential R / W (MB/sec, max.)	520 / 355
P/E Cycle	3,000
TBW (Max.)	1,172
Storage Temperature	-55°C ~ 95°C
Max. Power Consumption	3.4W
Max. Channels	4
External DRAM Buffer	Y
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	Y
TCG Opal	Y
Dimension (W x L x H/mm)	29.85 x 50.8 x 3.7
Vibration	20G@[7 ~ 2000Hz]
Shock	1500G@0.5ms
MTBF	>3 million hours
Warranty	3 Years

DIAGRAM

TSOP



BGA



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
8GB	DGMSR-08GD81BC1SC	DGMSR-08GD81BW1SC
16GB	DGMSR-16GD81BC1&C	DGMSR-16GD81BC1&C
32GB	DGMSR-32GD81BC1&C	DGMSR-32GD81BW1&C
64GB	DGMSR-64GD81BC1QC	DGMSR-64GD81BW1QC
128GB	DGMSR-A28D81BC1QC	DGMSR-A28D81BW1QC
256GB	DGMSR-B56D81BC1QC	DGMSR-B56D81BW1QC
512GB	DGMSR-C12D81BCBQC	DGMSR-C12D81BWBQC
1TB	DGMSR-01TD81BCAQC	DGMSR-01TD81BWAQC

&. S : 1 channel / D : 2 channels / Q : 4 channels

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