



mSATA 3ME3

HIGHLIGHT FEATURES

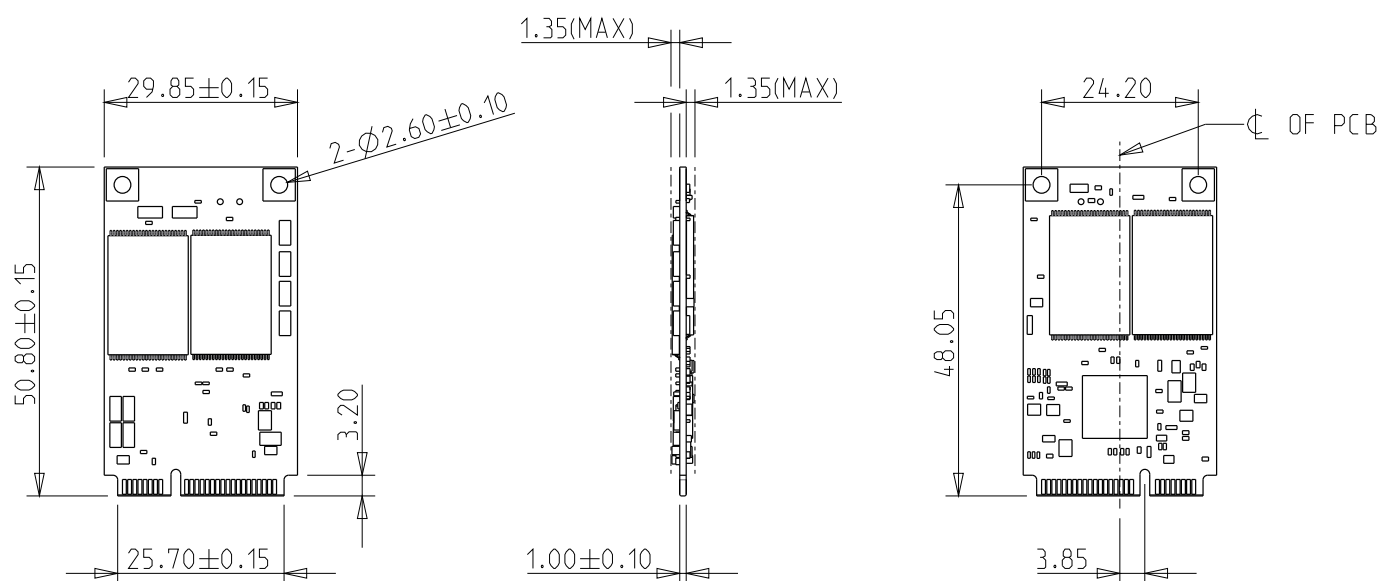
- SATA 6.0Gb/s interface
- iSMART disk health monitoring
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

Model Name	mSATA 3ME3
Flash Type	MLC
Interface	SATA III 6.0 Gb/s
Form Factor	MO-300
Capacity	8GB ~ 512GB
Sequential R / W (MB/sec, max.)	400 / 200
P/E Cycle	3,000
TBW (Max.)	153
Storage Temperature	-55°C ~ 95°C
Max. Power Consumption	1.4W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	N
TCG Opal	N
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	2 Years

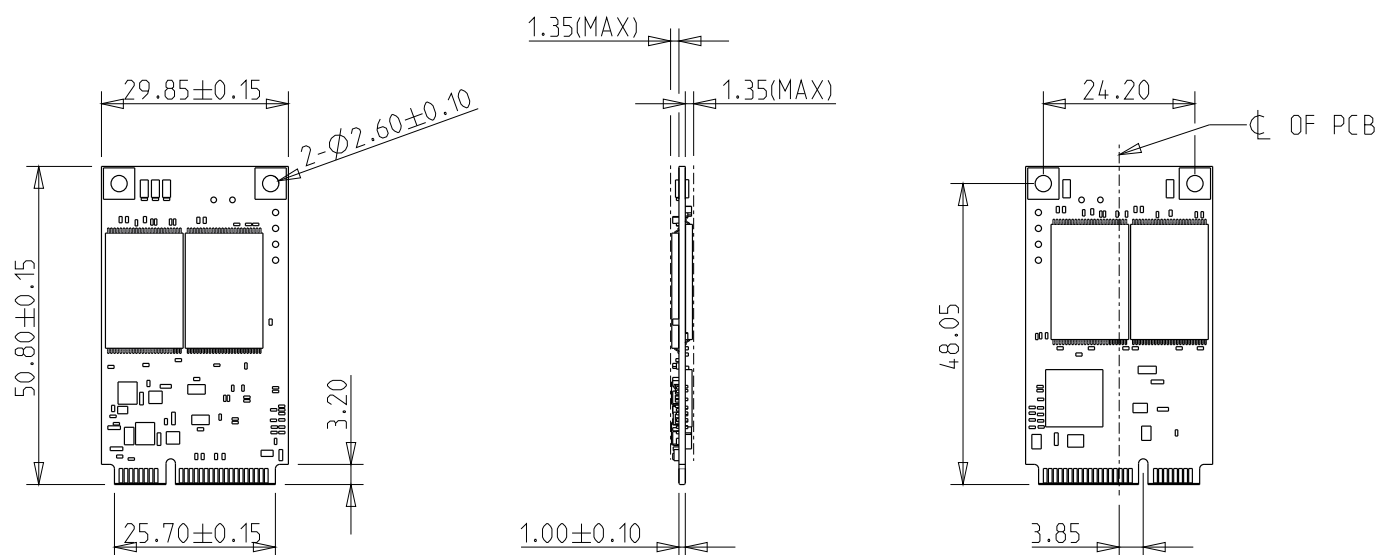
DIAGRAM

TSOP for 8GB~128GB (D09)



TOLERANCE: $\pm 0.15\text{mm}$
UNIT: mm

TSOP for 32GB~256GB (D08)



TOLERANCE: $\pm 0.15\text{mm}$
UNIT: mm

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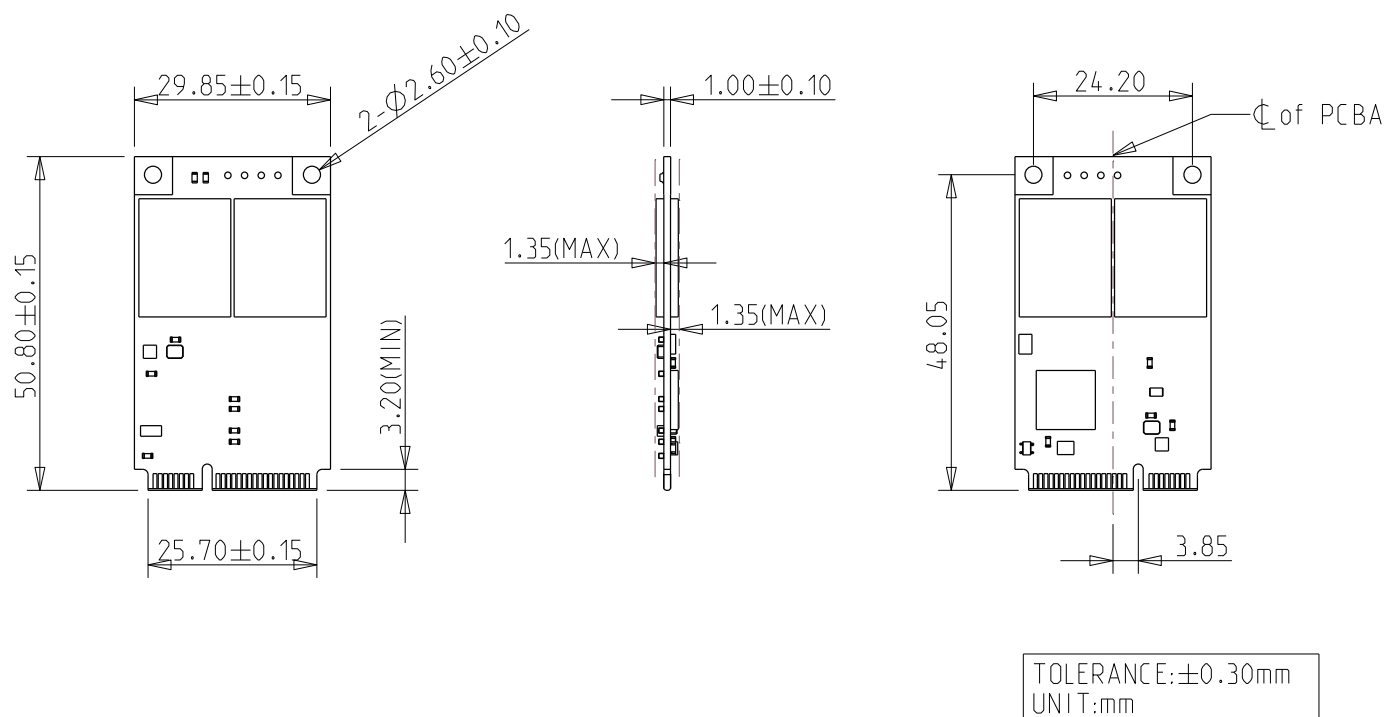
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DIAGRAM

BGA



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
8GB	DEMSR-08GD09BC2SC	DEMSR-08GD09BW2SC
16GB	DEMSR-16GD09BC2&C	DEMSR-16GD09BW2&C
32GB (4CH)	DEMSR-32GD08BC1QC	DEMSR-32GD08BW1QC
32GB (2CH)	DEMSR-32GD09BC2DC	DEMSR-32GD09BW2DC
64GB (4CH)	DEMSR-64GD08BC1QC	DEMSR-64GD08BW1QC
64GB (2CH)	DEMSR-64GD09BC2DC	DEMSR-64GD09BW2DC
128GB (4CH)	DEMSR-A28D08BC1QC	DEMSR-A28D08BW1QC
128GB (2CH)	DEMSR-A28D09BC2DC	DEMSR-A28D08BW2DC
256GB	DEMSR-B56D08BC*QC	DEMSR-B56D08BW*QC
512GB	DEMSR-C12D08BCBQC	DEMSR-C12D08BWBQC

*. PCB version control
 &. S : 1 channel / D : 2 channels

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