



mSATA 3IE3

HIGHLIGHT FEATURES

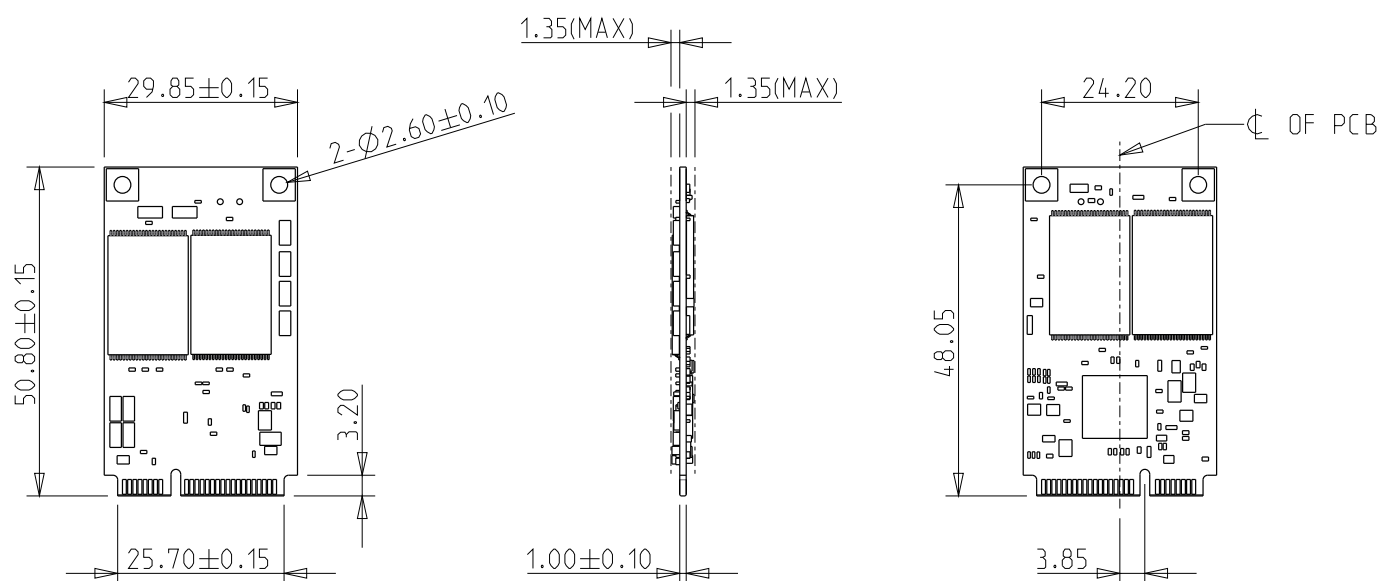
- SATA 6.0Gb/s interface
- iSMART disk health monitoring
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

Model Name	mSATA 3IE3
Flash Type	iSLC (MLC)
Interface	SATA III 6.0 Gb/s
Form Factor	MO-300
Capacity	4GB ~ 256GB
Sequential R / W (MB/sec, max.)	440 / 230
P/E Cycle	20,000
TBW (Max.)	694
Storage Temperature	-55°C ~ 95°C
Max. Power Consumption	2.5W
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	5 Years

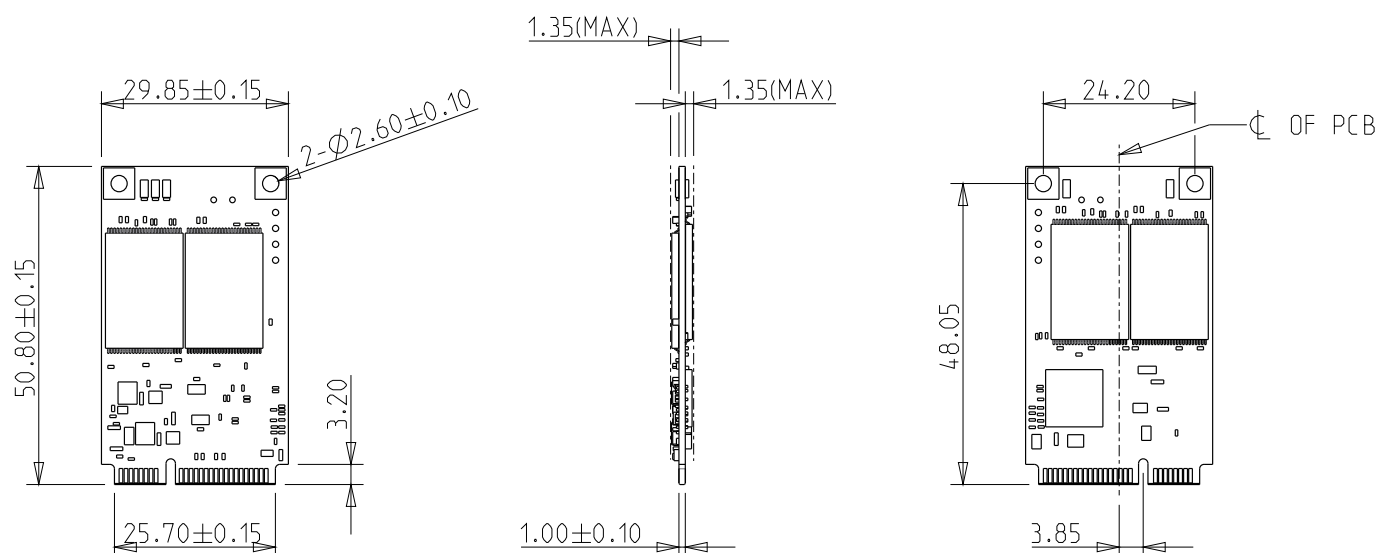
DIAGRAM

TSOP for 4GB~64GB (D09)



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

TSOP for 16GB~128GB (D08)



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

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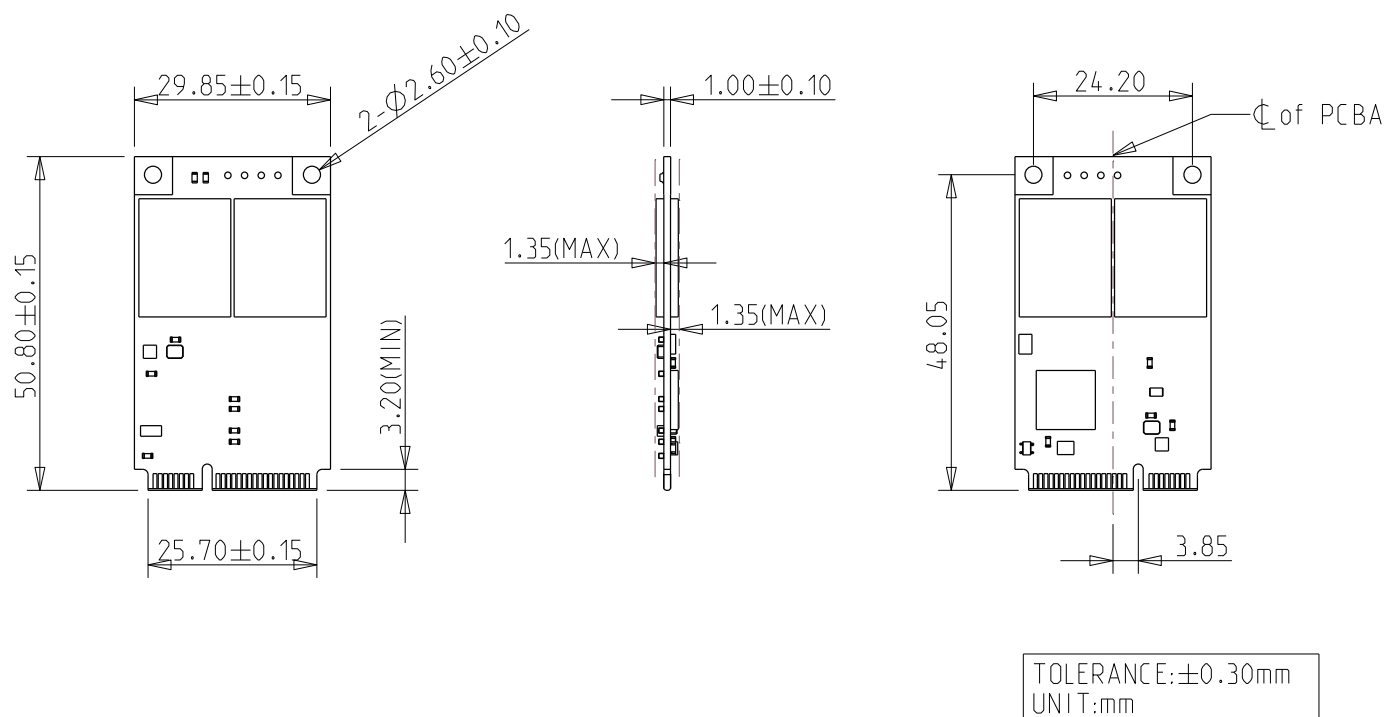
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DIAGRAM

BGA



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
4GB	DHMSR-04GD09BC1SC	DHMSR-04GD09BW1SC
8GB	DHMSR-08GD09BC1&C	DHMSR-08GD09BW1&C
16GB (4CH)	DHMSR-16GD08BC1QC	DHMSR-16GD08BW1QC
16GB (2CH)	DHMSR-16GD09BC1DC	DHMSR-16GD09BW1DC
32GB (4CH)	DHMSR-32GD08BC1QC	DHMSR-32GD08BW1QC
32GB (2CH)	DHMSR-32GD09BC1DC	DHMSR-32GD09BW1DC
64GB (4CH)	DHMSR-64GD08BC*QC	DHMSR-64GD08BW*QC
64GB (2CH)	DHMSR-64GD09BC1DC	DHMSR-64GD09BW1DC
128GB	DHMSR-A28D08BC*QC	DHMSR-A28D08BW*QC
256GB	DHMSR-B56D08BCAQ	DHMSR-B56D08BWAQC

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

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