



mSATA 3SE3

HIGHLIGHT FEATURES

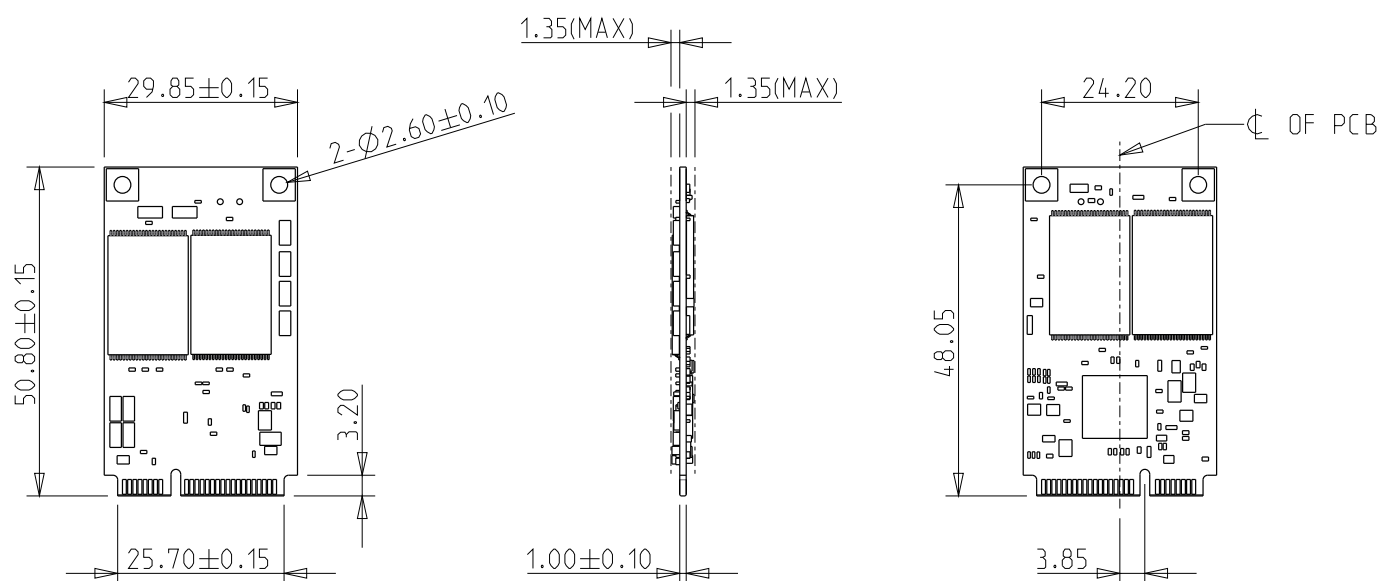
- SATA 6.0Gb/s interface
- iSMART disk health monitoring
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

Model Name	mSATA 3SE3
Flash Type	SLC
Interface	SATA III 6.0 Gb/s
Form Factor	MO-300
Capacity	4GB ~ 128GB
Sequential R / W (MB/sec, max.)	385 / 225
P/E Cycle	60,000
TBW (Max.)	768
Storage Temperature	-55°C ~ 95°C
Max. Power Consumption	0.5W
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

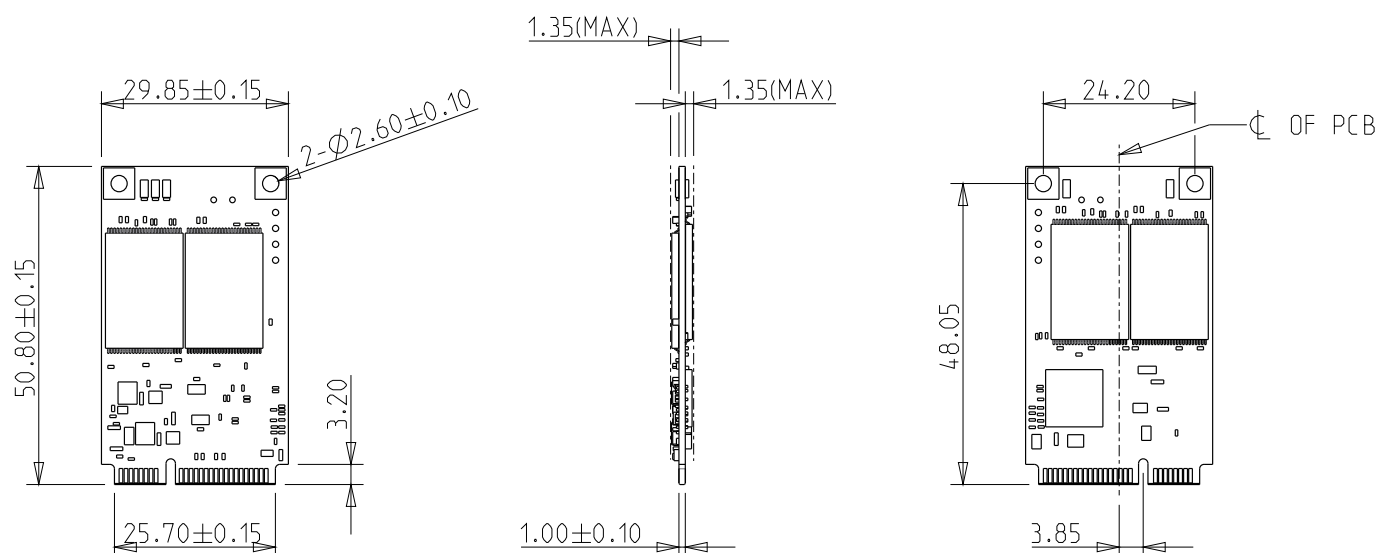
DIAGRAM

TSOP for 4GB~8GB (D09)



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

TSOP for 16GB (D08)



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

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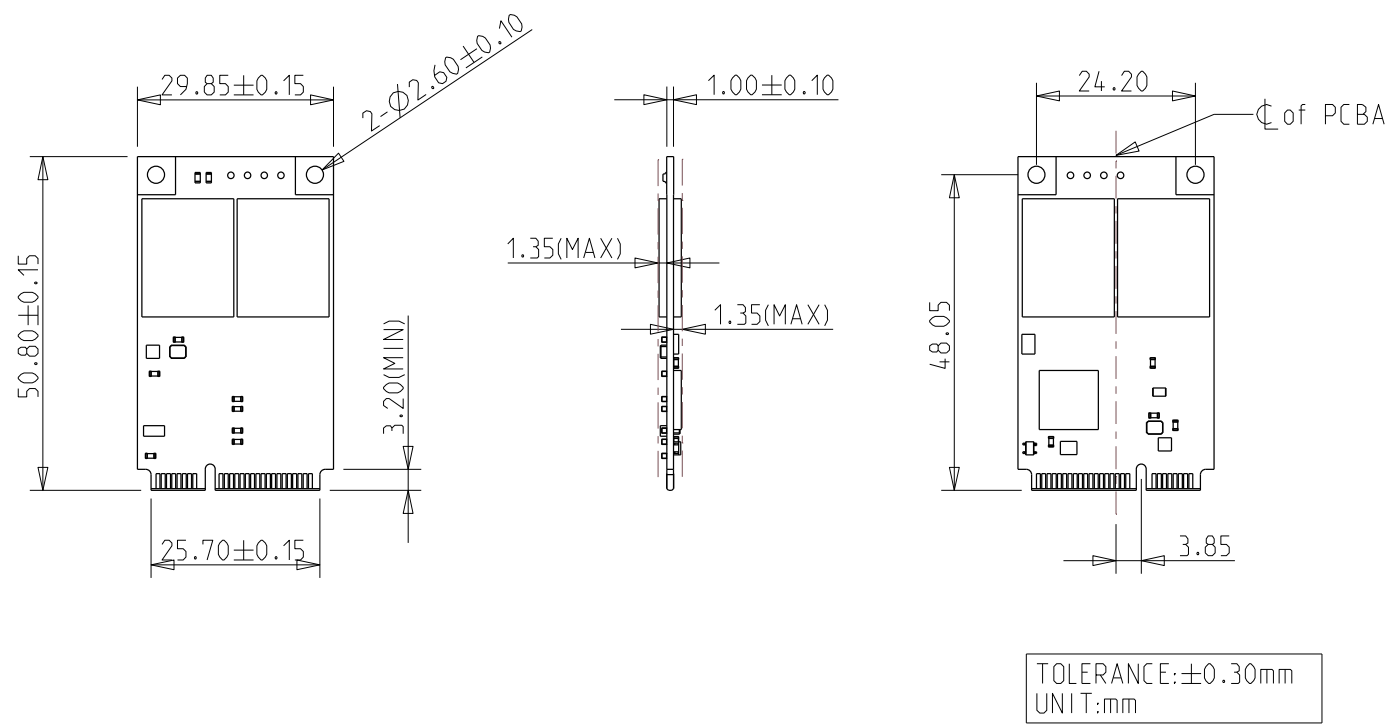
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DIAGRAM

BGA



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
4GB (24nm)	DEMSR-04GD09AC1SB	DEMSR-04GD09AW1SB
4GB (32nm)	DEMSR-04GD08SCASB	DEMSR-04GD08SWASB
8GB (24nm)	DEMSR-08GD09AC1DB	DEMSR-08GD09AW1DB
8GB (32nm)	DEMSR-08GD08SCADB	DEMSR-08GD08SWADB
16GB (24nm)	DEMSR-16GD08AC1QB	DEMSR-16GD08AW1QB
16GB (32nm)	DEMSR-16GD08SCAQB	DEMSR-16GD08SWAQB
32GB	DEMSR-32GD08SCAQB	DEMSR-32GD08SWAQB
64GB	DEMSR-64GD08SCAQB	DEMSR-64GD08SWAQB
128GB	DEMSR-A28D08SCAQB	DEMSR-A28D08SWAQB

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