DATA INTELLIGENCE
FLASH

mSATA 3IE2-P

HIGHLIGHT FEATURES

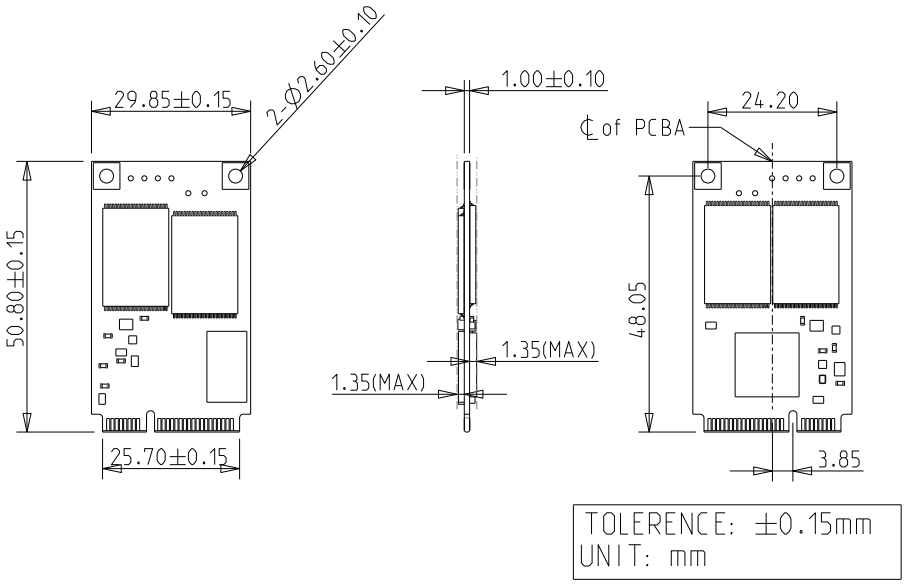
- JEDEC MO-300 standard dimension
- High IOPS by on-board DRAM design
- Intelligent error recovery system
- iSMART disk health monitoring
- Zero mechanical interference
- Supports wide temperature from -40˚C to 85˚C

SPECIFICATIONS

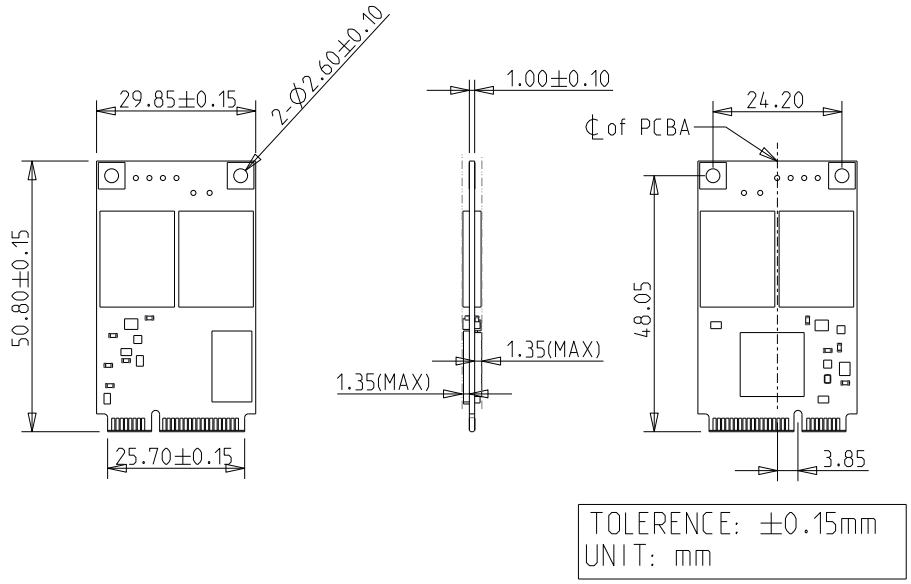
Model Name	mSATA 3IE2-P
Flash Type	iSLC (MLC)
Interface	SATA III 6.0 Gb/s
Form Factor	MO-300
Capacity	8GB ~ 256GB
Sequential R / W (MB/sec, max.)	560 / 470
P/E Cycle	20,000
TBW (Max.)	5,000
Storage Temperature	-55˚C ~ 95˚C
Max. Power Consumption	2.8W
Max. Channels	4
External DRAM Buffer	Y
H/W Write Protect	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	5 Years

DIAGRAM

TSOP



BGA



ORDER INFO.

Operating Temperature	Standard Grade (0˚C ~ 70˚C)	Industrial Grade (-40˚C ~ 85˚C)
8GB	DHMSR-08GD81BC1SC	DHMSR-08GD81BW1SC
16GB	DHMSR-16GD81BC1QC	DHMSR-16GD81BW1QC
32GB	DHMSR-32GD81BC1QC	DHMSR-32GD81BW1QC
64GB	DHMSR-64GD81BC1QC	DHMSR-64GD81BW1QC
128GB	DHMSR-A28D81BC1QC	DHMSR-A28D81BW1QC
256GB	DHMSR-B56D81BCBQC	DHMSR-B56D81BWBQC

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