



mSATA 3TE7

HIGHLIGHT FEATURES

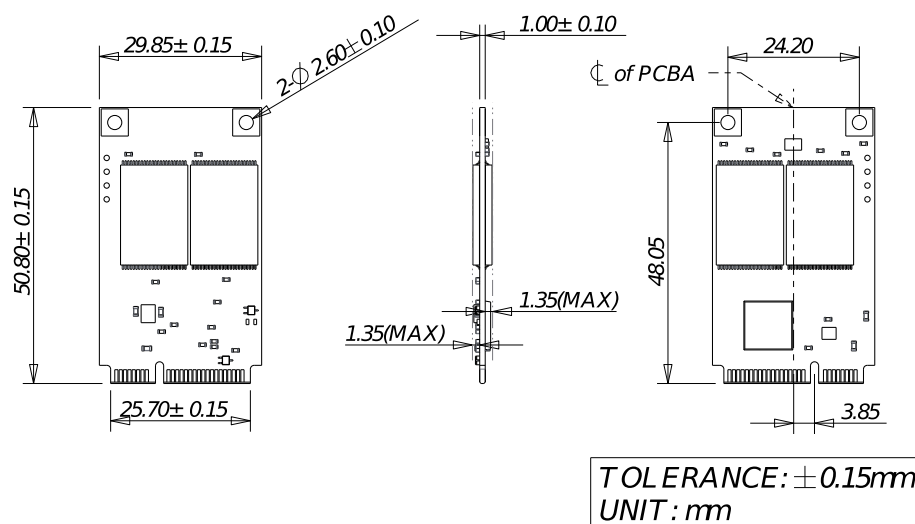
- mSATA SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- iPower Guard for protecting unstable start up and shut down
- iData Guard for abnormal power failure
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

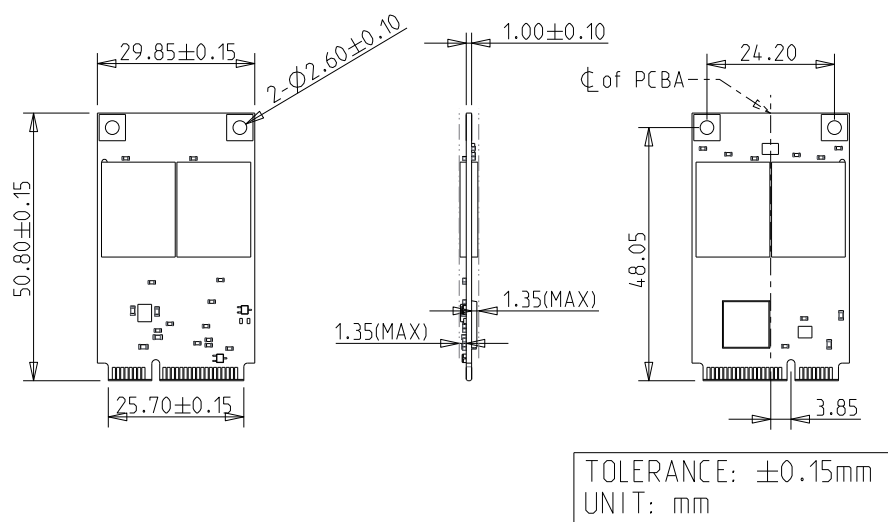
Model Name	mSATA 3TE7
Flash Type	3D TLC
Interface	SATA III 6.0 Gb/s
Form Factor	MO-300
Capacity	32GB ~ 2TB
Sequential R / W (MB/sec, max.)	550 / 490
P/E Cycle	3,000
TBW (Max.)	1,200
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	2.4W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	Y (Optional)
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	3 Years

DIAGRAM

TSOP



BGA



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
32GB	DEMSR-32GDK1%C*SF	DEMSR-32GDK1EW1SF
64GB	DEMSR-64GDK1%C*DF(P)	DEMSR-64GDK1%W*DF(P)
128GB	DEMSR-A28DK1%C*&F(P)	DEMSR-A28DK1%W*&F(P)
256GB	DEMSR-B56DK1%C*QF(P)	DEMSR-B56DK1%W*QF(P)
512GB	DEMSR-C12DK1%C*QF(P)	DEMSR-C12DK1%W*QF(P)
1TB	DEMSR-01TDK1%CAQF(P)	DEMSR-01TDK1%WAQF(P)
2TB	DEMSR-02TDK1%CAQF	DEMSR-02TDK1KWAQF

%: E : 64 layers 3D TLC / K : 112 layers 3D TLC

*, PCB version control

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

(P). PLP (iCell) (Optional)