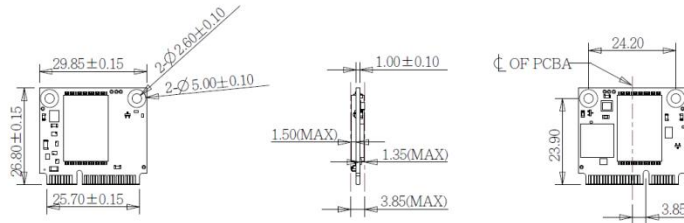


mSATA mini 3TE7 series

Diagram



TOLERANCE: ± 0.15mm
UNIT: mm

Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	32GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	560 / 330 MB/s
4KB Random (QD32) R/W (IOPS)**	85,000/70,000
Max. Power Consumption	TBD
Thermal Sensor	✓
External DRAM Buffer	-
H/W Write Protect	Optional
ATA Security	✓
S.M.A.R.T.	✓
DEVSLP Mode	✓
Dimension (WxLxH)	29.85 X 26.8 X 3.85 mm
Environment	Vibration: 20G @ 7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
* Performance based on CrystalDiskMark 5.1.2 with file size 1000MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	32GB	64GB	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DEMISM-32GDK1EC1SF	DEMISM-64GDK1EC1DF	DEMISM-A28DK1EC1DF	DEMISM-B56DK1EC1DF	DEMISM-C12DK1ECAQF
Industrial Grade (-40°C ~ +85°C)	DEMISM-32GDK1EW1SF	DEMISM-64GDK1EW1DF	DEMISM-A28DK1EW1DF	DEMISM-B56DK1EW1DF	DEMISM-C12DK1EWAQF