

M.2 (S80) 3TE7

HIGHLIGHT FEATURES

- SATA III solution for industrial grade SSD
- DRAM-less, 100% data integrity
- Excellent random performance
- Supports TRIM / NCQ / S.M.A.R.T.
- Built in iData Guard
- Supports wide temperature from -40°C to 85°C

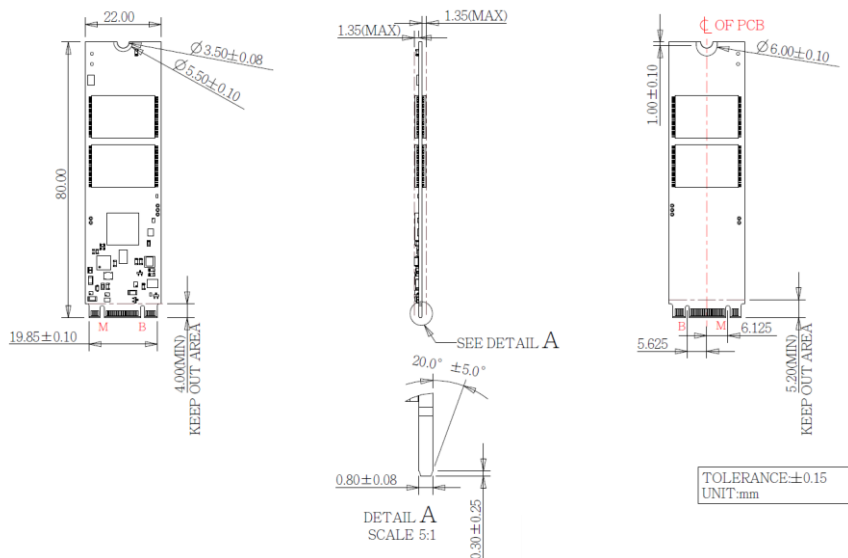


SPECIFICATIONS

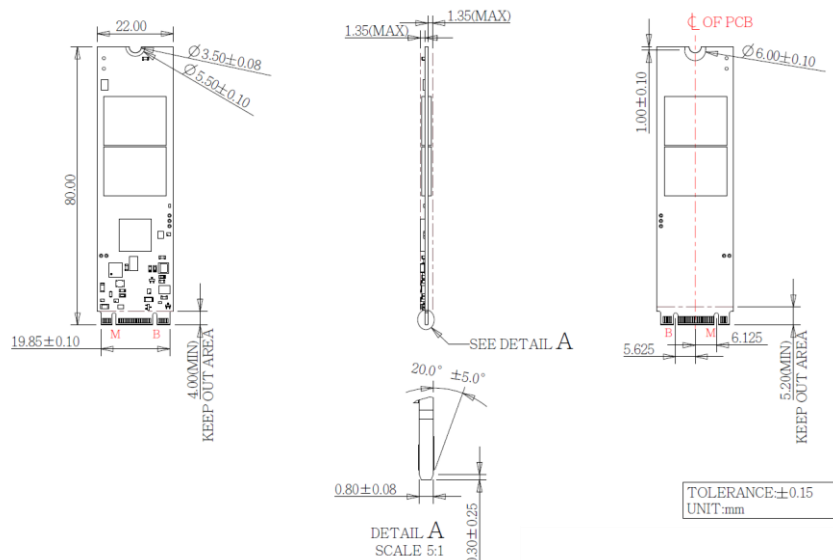
Model Name	M.2 (S80) 3TE7
Flash Type	3D TLC
Interface	SATA III 6.0 Gb/s
Form Factor	M.2 2280 B+M Key
Capacity	32GB ~ 2TB
Sequential R / W (MB/sec, max.)	560 / 520
P/E Cycle	3,000
TBW (Max.)	2,400
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	2.3W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	Y (Optional)
TCG Opal	N
Dimension (W x L x H/mm)	22.0 x 80.0 x 3.5
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	DEM28-32GDK1EC1SF	DEM28-32GDK1EW1SF
64GB	DEM28-64GDK1%C*DF	DEM28-64GDK1%W*DF
128GB	DEM28-A28DK1%C*QF	DEM28-A28DK1%W*QF
256GB	DEM28-B56DK1%C*QF	DEM28-B56DK1%W*QF
512GB	DEM28-C12DK1%C*QF	DEM28-C12DK1%W*QF
1TB	DEM28-01TDK1%CAQF	DEM28-01TDK1%WAQF
2TB	DEM28-02TDK1%CAQF	DEM28-02TDK1KWAQF

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

*: PCB version control

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