



M.2 (S42) 3TE7

HIGHLIGHT FEATURES

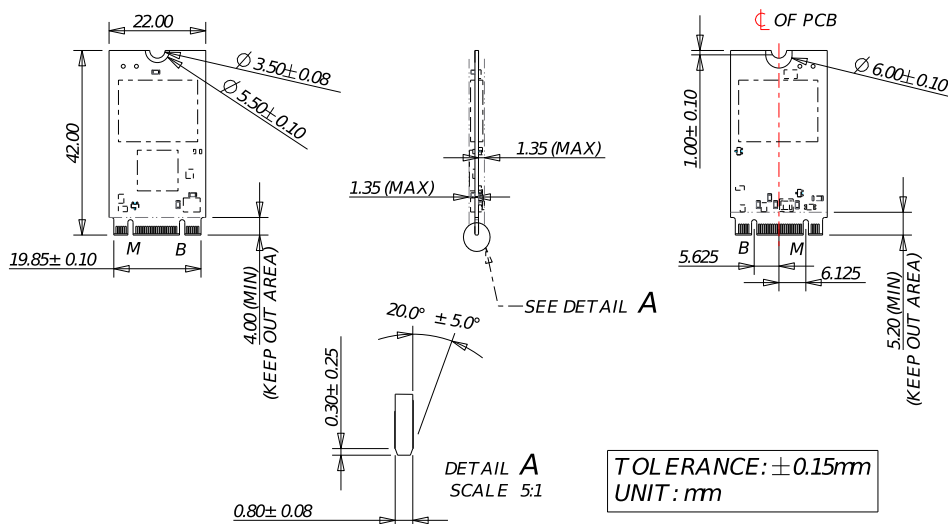
- SATA III Solution for industrial field
- DRAM-less, 100% data integrity
- Excellent random performance
- Supports TRIM / NCQ / S.M.A.R.T.
- Built-in iData Guard
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

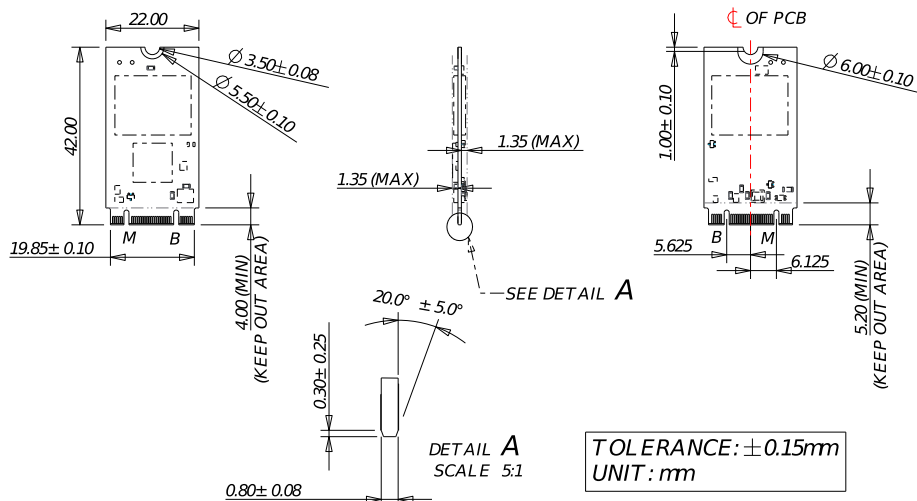
Model Name	M.2 (S42) 3TE7
Flash Type	3D TLC
Interface	SATA III 6.0 Gb/s
Form Factor	M.2 2242 B+M Key
Capacity	32GB ~ 1TB
Sequential R / W (MB/sec, max.)	550 / 520
P/E Cycle	3,000
TBW (Max.)	1,200
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	1.5W
Max. Channels	4
External DRAM Buffer	N
H/W Write 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 42.0 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	DEM24-32GDK1EC1SF	DEM24-32GDK1EW1SF
64GB	DEM24-64GDK1%C*DF	DEM24-64GDK1%W*&F
128GB	DEM24-A28DK1%C*DF	DEM24-A28DK1%W*DF
256GB	DEM24-B56DK1%C*&F	DEM24-B56DK1%W*&F
512GB	DEM24-C12DK1%CAQF	DEM24-C12DK1%WAQF
1TB	DEM24-01TDK1%CAQF	DEM24-01TDK1%WAQF

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

*. PCB version control

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