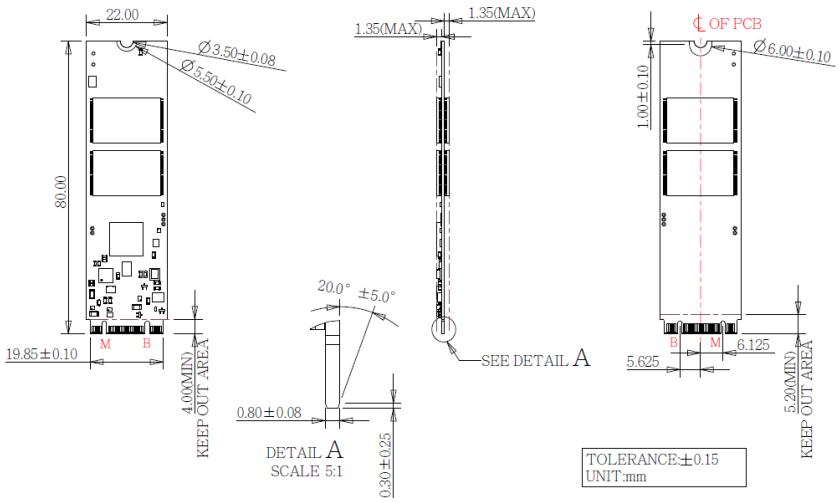
M.2 (S80)
3TE7 series

Diagram



Specifications

Interface	SATA III
Flash Type	3D TLC
P/E cycle	3,000
Capacity	32GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	550/520
Max. Power Consumption	2.3W(3.3V x696mA)
Thermal Sensor	√
External DRAM buffer	-
H/W Write Protect	Optional
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 80.0 X 3.5 mm (Max)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DEM28-32GDK1EC1SF	DEM28-64GDK1EC*DF	DEM28-A28DK1%C*QF	DEM28-B56DK1%C*QF	DEM28-C12DK1%C*QF	DEM28-01TDK1%CAQF	DEM28-02TDK1%CAQF
Industrial Grade (-40°C ~ +85°C)	DEM28-32GDK1EW1SF	DEM28-64GDK1EW*DF	DEM28-A28DK1EW*QF	DEM28-B56DK1EW*QF	DEM28-C12DK1EW*QF	DEM28-01TDK1EWAQF	X

%.E: 64 layers 3D TLC; G: 96 layers 3D TLC; K: 112 layers 3DTLC

*. PCB version control