



M.2 (P80) 3TE4

HIGHLIGHT FEATURES

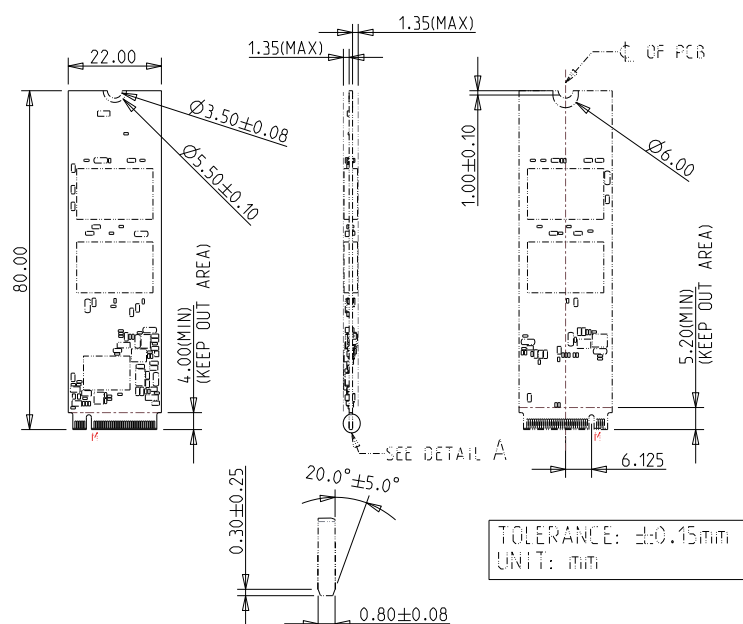
- Powered by PCIe Gen 3 x4 and NVMe 1.3
- DRAM-less solution
- Anti-vibration mechanical design
- Dynamic Thermal Throttling
- iPower Guard Protection
- Supports wide temperature from -40°C to 85°C

SPECIFICATIONS

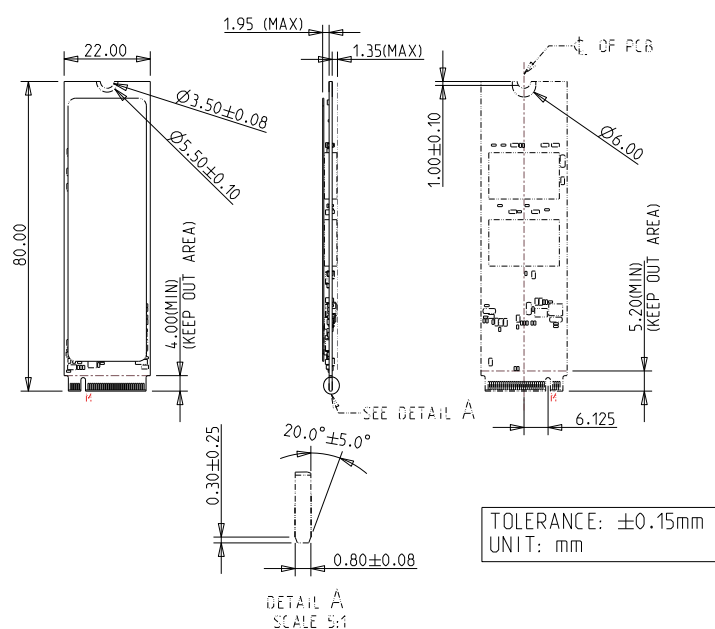
Model Name	M.2 (P80) 3TE4
Flash Type	3D TLC
Interface	PCIe Gen 3 x4
Form Factor	M.2 2280 M Key
Capacity	128GB ~ 1TB
Sequential R / W (MB/sec, max.)	2,600 / 1,800
P/E Cycle	3,000
TBW (Max.)	1,706
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	4.0W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	N
S.M.A.R.T.	Y
AES	Y
TCG Opal	Y
Dimension (W x L x H/mm)	S/T : 22.0 x 80.0 x 3.5 W/T with heat-spreading copper layer : 22.0 x 80.0 x 4.1
Vibration	20G@[7 ~ 2000Hz]
Shock	1500G@0.5ms
MTBF	>3 million hours
Warranty	3 Years

DIAGRAM

ST



WT



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
128GB	DEM28-A28IB1KCADF	DEM28-A28IB1KWADF
256GB	DEM28-B56IB1KCAQF	DEM28-B56IB1KWAQF
512GB	DEM28-C12IB1KCAQF	DEM28-C12IB1KWAQF
1TB	DEM28-01TIB1KCAQF	DEM28-01TIB1KWAQF

For TCG OPAL function, the PN Code 10th ~12th will be IB2.