

M.2 (P80) 4TE3

HIGHLIGHT FEATURES



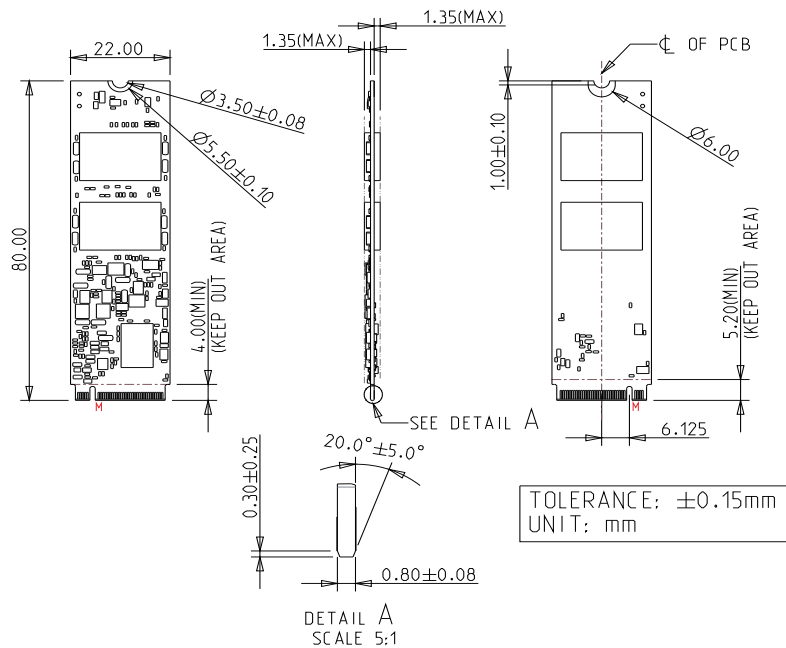
- PCIe Gen 4 x4, NVMe 1.4
- Stable sustained performance
- LDPC ECC engine supported
- 256 bit AES hardware based encryption
- Hybrid write mode with SLC cache enable
- Dynamic Thermal Management

SPECIFICATIONS

Model Name	M.2 (P80) 4TE3
Flash Type	3D TLC
Interface	PCIe Gen 4 x4
Form Factor	M.2 2280 M Key
Capacity	128GB ~ 2TB
Sequential R / W (MB/sec, max.)	3,650 / 3,350
P/E Cycle	3,000
TBW (Max.)	1,621
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	4.6W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	Y (Optional)
TCG Opal	Y (Optional)
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

ST



ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)
128GB	DEM28-A28DH1KCADL(W)
256GB	DEM28-B56DH1KCAQL(W)
512GB	DEM28-C12DH1KCAQL(W)
1TB	DEM28-01TDH1KCAQL(W)
2TB	DEM28-02TDH1KCAQL(W)

W : H/W Write Protect
For TCG Opal function, the PN Code 10th ~ 12th will be DH2.