



M.2 (P30) 4TE3

HIGHLIGHT FEATURES

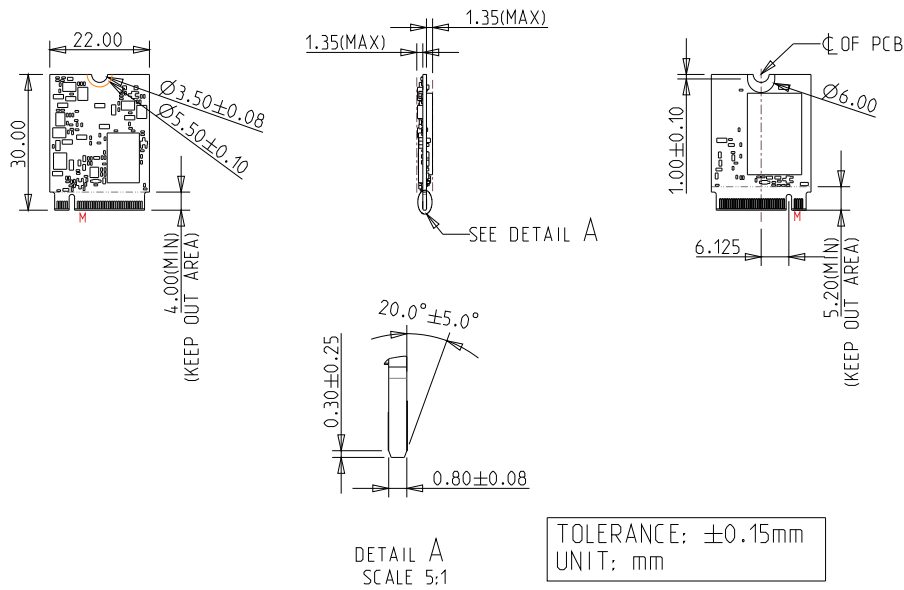
- PCIe Gen 4 x4, NVMe 1.4
- Stable sustained performance
- LDPC ECC engine supported
- 256 bit AES hardware based encryption
- Hybrid write mode with SLC cache enable
- Dynamic Thermal Management

SPECIFICATIONS

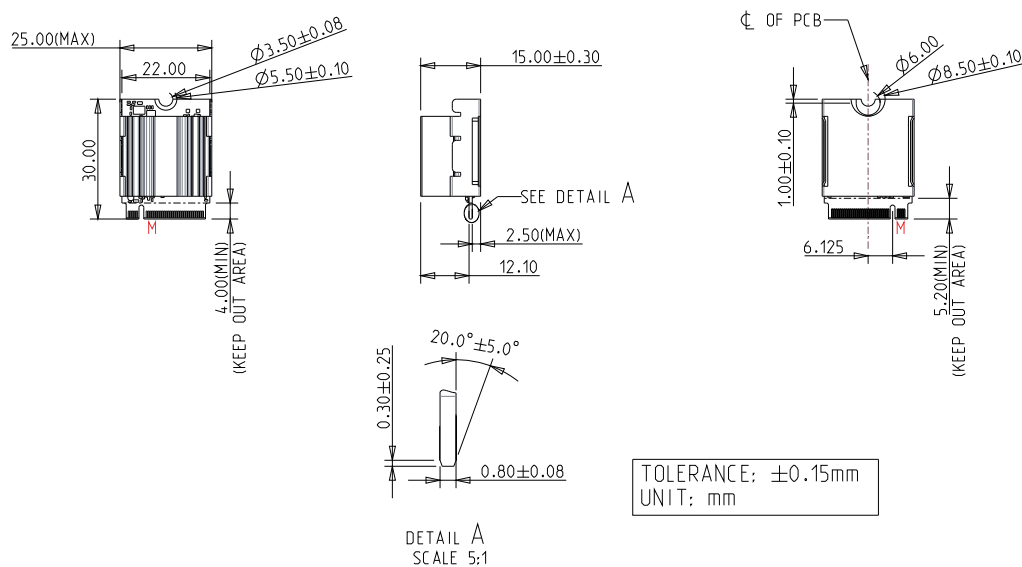
Model Name	M.2 (P30) 4TE3
Flash Type	3D TLC
Interface	PCIe Gen 4 x4
Form Factor	M.2 2230 M Key
Capacity	128GB ~ 1TB
Sequential R / W (MB/sec, max.)	1,800 / 1,450
P/E Cycle	3,000
TBW (Max.)	932
Storage Temperature	-40°C ~ 85°C
Max. Power Consumption	3.1W
Max. Channels	8
External DRAM Buffer	N
H/W Write Protect	N
S.M.A.R.T.	Y
AES	Y (Optional)
TCG Opal	Y (Optional)
Dimension (W x L x H/mm)	Pure M.2 : 22.0 x 30.0 x 3.5 W/T with heat sink : 25.0 x 30.0 x 15.0
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	DEM23-A28DH1KCBDF	DEM23-A28DH1KWBDFFH
256GB	DEM23-B56DH1KCBDF	DEM23-B56DH1KWBDFFH
512GB	DEM23-C12DH1KCBDF	DEM23-C12DH1KWBDFFH
1TB	DEM23-01TDH1KCBDF	DEM23-01TDH1KWBDFFH

For TCG Opal function, the PN Code 10th ~ 12th will be DH2.

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