



## M.2 (P42) 3TE8

### HIGHLIGHT FEATURES

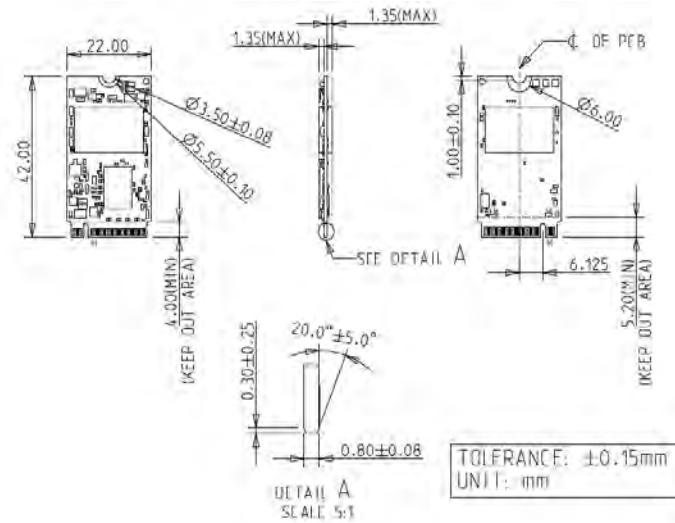
- PCIe Gen 3 x4, NVMe SSD
- Kioxia 3D TLC NAND
- Standard / Wide-temperature
- iDataguard / iPowerguard
- Dynamic Thermal Management
- Hybrid Write Mode with SLC Cache Enable
- Support TCG OPAL function

### SPECIFICATIONS

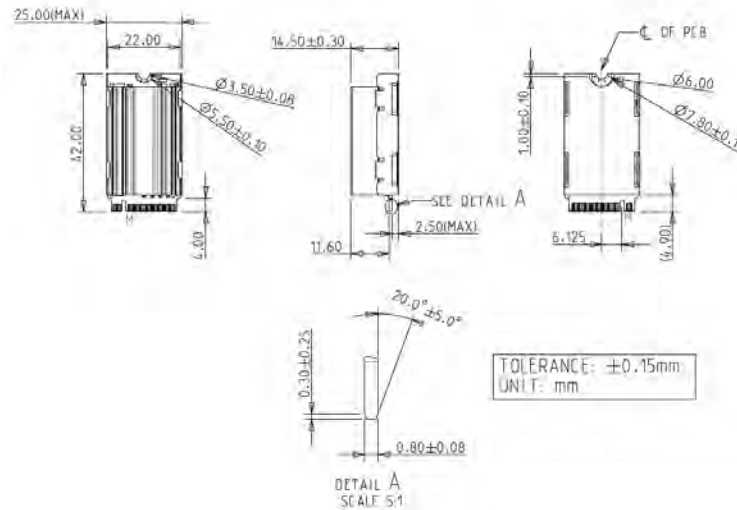
<b>Model Name</b>	M.2 (P42) 3TE8
<b>Flash Type</b>	3D TLC
<b>Interface</b>	PCIe Gen 3 x4
<b>Form Factor</b>	M.2 2242
<b>Capacity</b>	128GB ~ 1TB
<b>Sequential R / W (MB/sec, max.)</b>	3,350 / 2,600
<b>TBW (Max.)</b>	TBD
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Max. Power Consumption</b>	4.2W
<b>Max. Channels</b>	4
<b>External DRAM Buffer</b>	N
<b>H/W Write Protect</b>	N
<b>S.M.A.R.T.</b>	Y
<b>AES</b>	Y
<b>TCG Opal</b>	Y
<b>Dimension (W x L x H/mm)</b>	WT with heatsink: 25.0 X 42.0 X 14.5 Pure M.2: 22.0 X 42.0 X 2.78
<b>Vibration</b>	20G@7~2000Hz
<b>Shock</b>	1500G@0.5ms
<b>MTBF</b>	>3 million hours
<b>Warranty</b>	3 Years

## DIAGRAM

ST



WT



## ORDER INFO.

	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
128GB	DEM24-A28DS2KCADFS	DEM24-A28DS2KWADFSH
256GB	DEM24-B56DS2KCAQFS	DEM24-B56DS2KWAQFSH
512GB	DEM24-C12DS2KCAQFS	DEM24-C12DS2KWAQFSH
1TB	DEM24-01TDS2KCAQFS	DEM24-01TDS2KWAQFSH