

## M.2 (P80) 4TS2-P

### HIGHLIGHT FEATURES



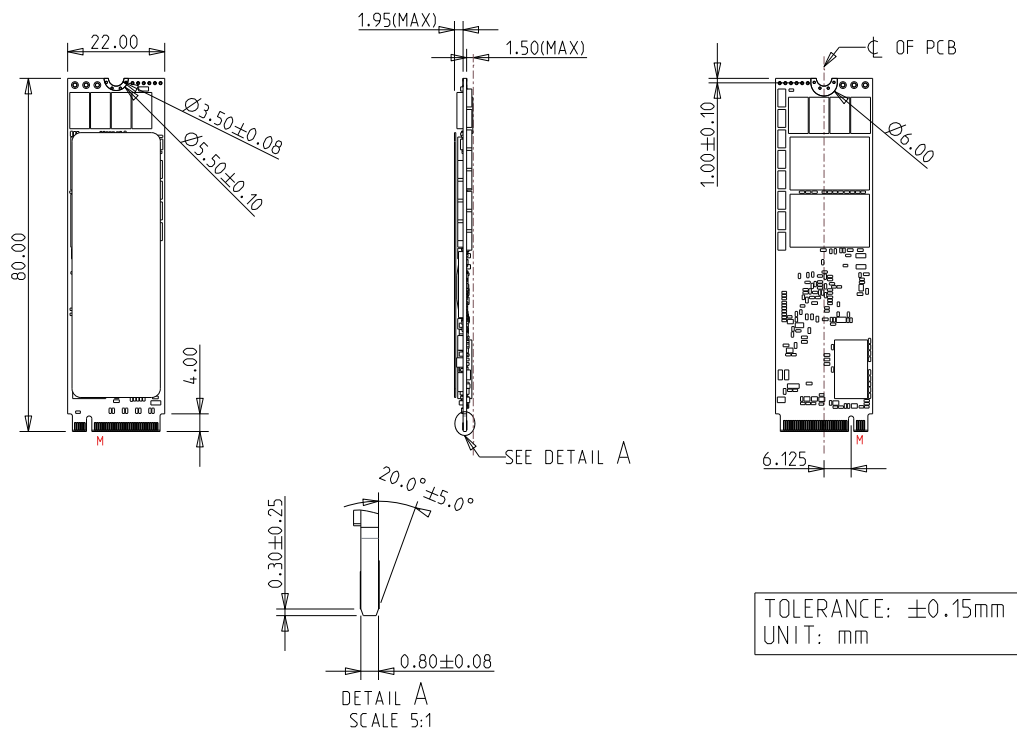
- PCIe Gen 4 x4, NVMe 1.4
- Stable sustained performance
- LDPC ECC engine supported
- Dynamic thermal management
- Support TCG Opal Function (Optional)
- PLP (iCell) feature
- 256 bit AES hardware-based encryption

### SPECIFICATIONS

<b>Model Name</b>	M.2 (P80) 4TS2-P	
<b>Flash Type</b>	3D TLC	
<b>Interface</b>	PCIe Gen 4 x4	
<b>Form Factor</b>	M.2 2280 M Key	
<b>Capacity</b>	200GB ~ 1.6TB	240GB ~ 1.92TB
<b>Sequential R / W (MB/sec, max.)</b>	6,950 / 4,650	
<b>P/E Cycle</b>	7,000	
<b>TBW (Max.)</b>	5,312 (DWPD=2)	3,187 (DWPD=1)
<b>Storage Temperature</b>	-40°C ~ 85°C	
<b>Max. Power Consumption</b>	9.0W	
<b>Max. Channels</b>	8	
<b>External DRAM Buffer</b>	Y	
<b>H/W Write Protect</b>	N	
<b>S.M.A.R.T.</b>	Y	
<b>AES</b>	Y (Optional)	
<b>TCG Opal</b>	Y (Optional)	
<b>Dimension (W x L x H/mm)</b>	S/T with heat-spreading copper layer : 22.0 x 80.0 x 3.68 Pure M.2 : 22.0 x 80.0 x 2.87	
<b>Vibration</b>	20G@[7 ~ 2000Hz]	
<b>Shock</b>	1500G@0.5ms	
<b>MTBF</b>	>3 million hours	
<b>Warranty</b>	5 Years	

## DIAGRAM

ST



## ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)
200GB	DSM28-200DP1NCDQFP
240GB	DSM28-240DP1NCDQFP
400GB	DSM28-400DP1NCDEFP
480GB	DSM28-480DP1NCDEFP
800GB	DSM28-800DP1NCDEFP
960GB	DSM28-960DP1NCDEFP
1.6TB	DSM28-1T6DP1NCDEFP
1.92TB	DSM28-1T9DP1NCDEFP

For TCG OPAL function, the PN Code 10th ~ 12th will be DP2.

HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com

CN T +86-755-2167-3689 / E sales\_cn@innodisk.com

US T +1-510-770-9421 / E usasales@innodisk.com

EU T +31-40-3045-400 / E eusales@innodisk.com

JP T +81-3-6667-0161 / E jp\_sales@innodisk.com

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