

M.2 (P80) 4IG2-P

HIGHLIGHT FEATURES

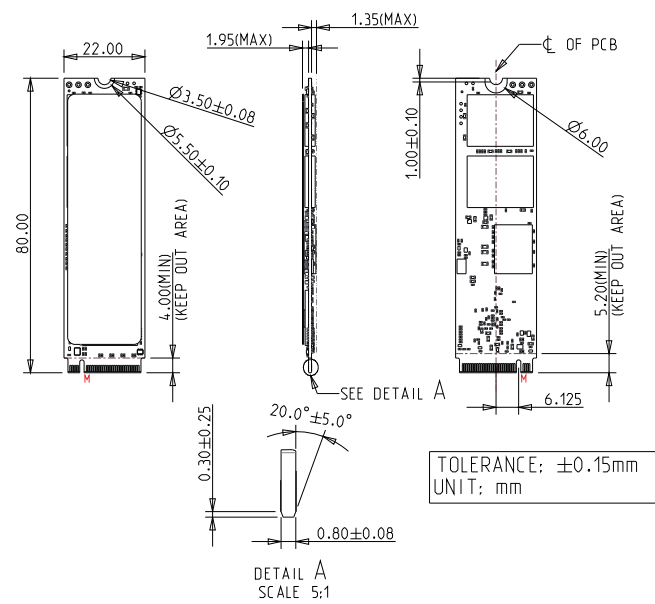
- PCIe Gen 4 x4, NVMe 1.4
- Stable sustained performance
- LDPC ECC engine supported
- 256-bit AES hardware based encryption
- Ultra iSLC technology
- Dynamic Thermal Throttling

SPECIFICATIONS

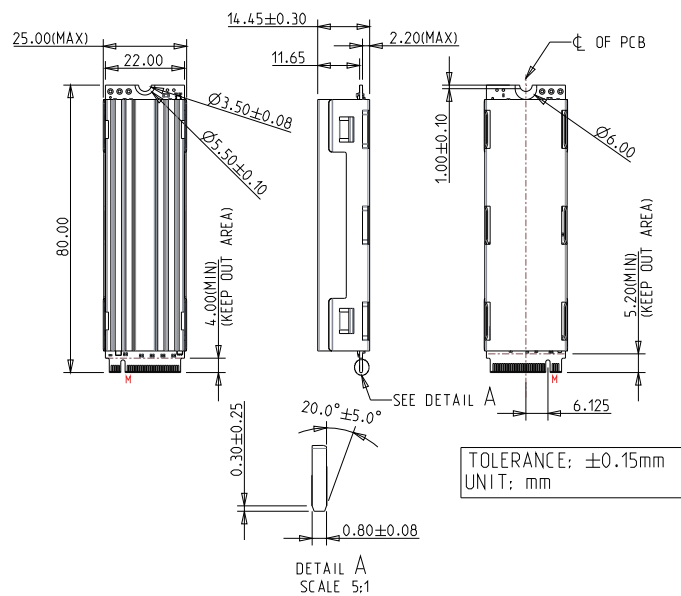
Model Name	M.2 (P80) 4IG2-P	
Flash Type	iSLC (3D TLC)	
Interface	PCIe Gen 4 x4	
Form Factor	M.2 2280 M Key	
Capacity	160GB ~ 640GB	1.28TB
Sequential R / W (MB/sec, max.)	6,900 / 4,050	5,800 / 4,700
P/E Cycle	100,000	30,000
TBW (Max.)	37,903	25,652
Storage Temperature	-40°C ~ 85°C	
Max. Power Consumption	8.5W	
Max. Channels	8	
External DRAM Buffer	Y	
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 80.0 x 3.5 S/T with heat-spreading copper layer : 22.0 x 80.0 x 4.1 W/T with heat sink : 25.0 x 80.0 x 14.5	
Vibration	20G@[7 ~ 2000Hz]	
Shock	1500G@0.5ms	
MTBF	>3 million hours	
Warranty	5 Years	

DIAGRAM

ST



WT



Note: The appearance of silicone oil seeping out from the inside of the thermal pad is a normal occurrence. Silicone oil is not electrically conductive, so it does not impact the functionality of SSD.

ORDER INFO.

Operating Temperature	Standard Grade (0°C ~ 70°C)	Industrial Grade (-40°C ~ 85°C)
160GB	DHM28-A60DP1KCCEP	DHM28-A60DP1KWCEFH
320GB	DHM28-D2GDP1KCCEP	DHM28-D2GDP1KWCEFH
640GB	DHM28-F4GDP1KCCEP	DHM28-F4GDP1KWCEFH
1.28TB	DHM28-1T2DP1KCCEP	DHM28-1T2DP1KWCEFH

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

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