



M.2 (P110) 4IG2-P

HIGHLIGHT FEATURES

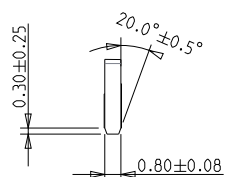
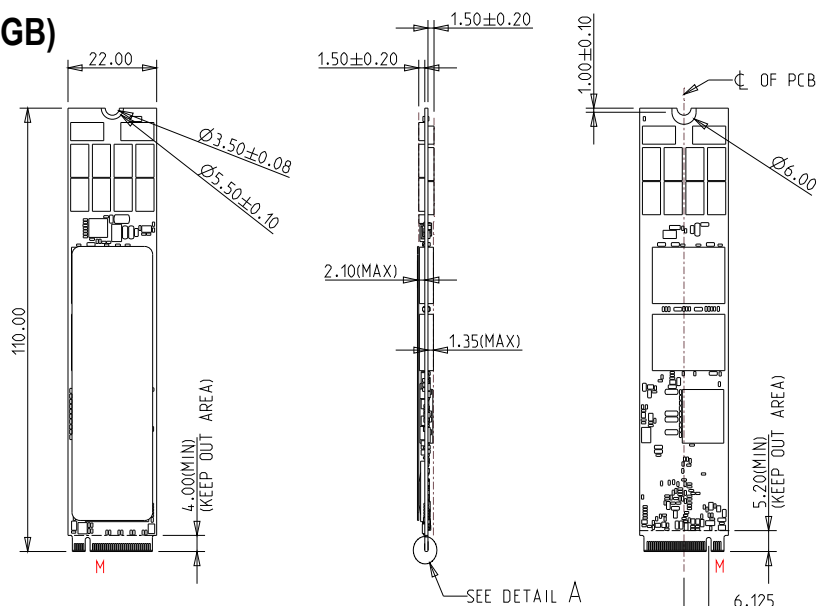
- PCIe Gen 4 x4, NVMe 1.4
- PLP (iCell) technology for power loss protection
- Stable sustained performance
- LDPC ECC engine supported
- Dynamic Thermal Throttling
- Ultra iSLC technology

SPECIFICATIONS

Model Name	M.2 (P110) 4IG2-P	
Flash Type	iSLC (3D TLC)	
Interface	PCIe Gen 4 x4	
Form Factor	M.2 22110 M Key	
Capacity	160GB ~ 640GB	1.28TB ~ 2.56TB
Sequential R / W (MB/sec, max.)	6,900 / 3,550	6,550 / 4,500
P/E Cycle	100,000	30,000
TBW (Max.)	37,903	51,106
Storage Temperature	-40°C ~ 85°C	
Max. Power Consumption	10.1W	
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 110.0 x 2.87 S/T with heat-spreading copper layer : 22.0 x 110.0 x 3.3 W/T with heat sink : 25.0 x 110.0 x 14.45	
Vibration	20G@[7 ~ 2000Hz]	
Shock	1500G@0.5ms	
MTBF	>3 million hours	
Warranty	5 Years	

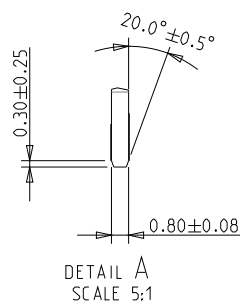
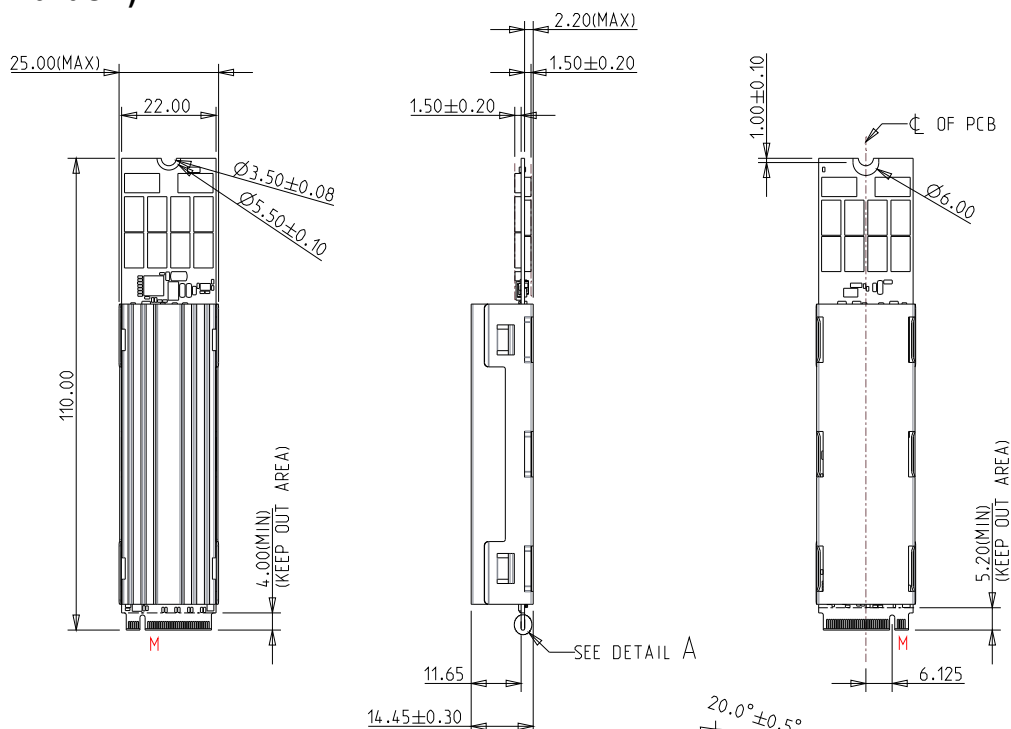
DIAGRAM

ST (160GB ~ 640GB)



TOLERANCE: ± 0.15 mm
UNIT: mm

WT (160GB ~ 640GB)

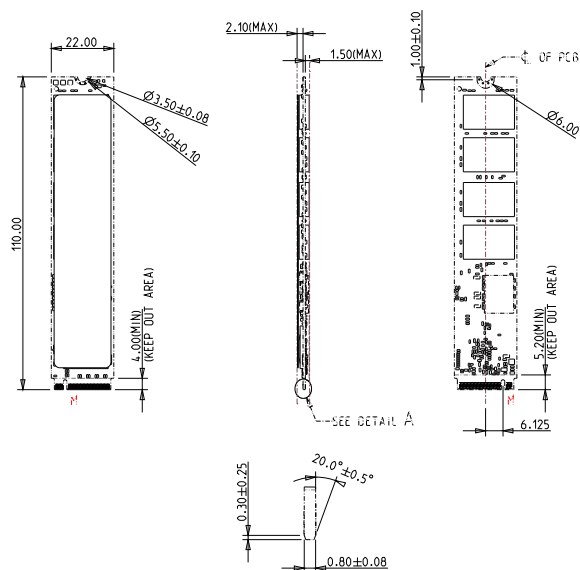


TOLERANCE: ± 0.15 mm
UNIT: mm

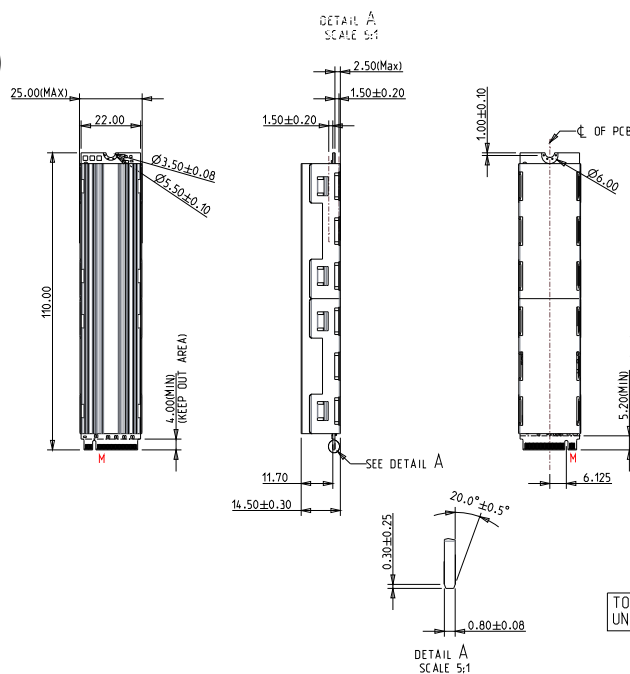
Note: The appearance of silicone oil seeping out from the inside of the thermal pad is a normal occurrence. Silicone oil is not electrically conductive, so it does not impact the functionality of SSD.

DIAGRAM

ST (1.28TB ~ 2.56TB)



WT (1.28TB ~ 2.56TB)



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	DHM21-A60DP1KCBFP	DHM21-A60DP1KWBEFPH
320GB	DHM21-D2GDP1KCBFP	DHM21-D2GDP1KWBEFPH
640GB	DHM21-F4GDP1KCBFP	DHM21-F4GDP1KWBEFPH
1.28TB	DHM21-1T2DP1KCBFP	DHM21-1T2DP1KWBEFPH
2.56TB	DHM21-2T5DP1KCEFP	DHM21-2T5DP1KWCEFP

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