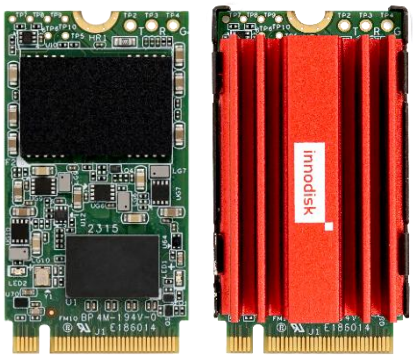
DATA INTELLIGENCE
FLASH



M.2 (P42) 4IE2

HIGHLIGHT FEATURES

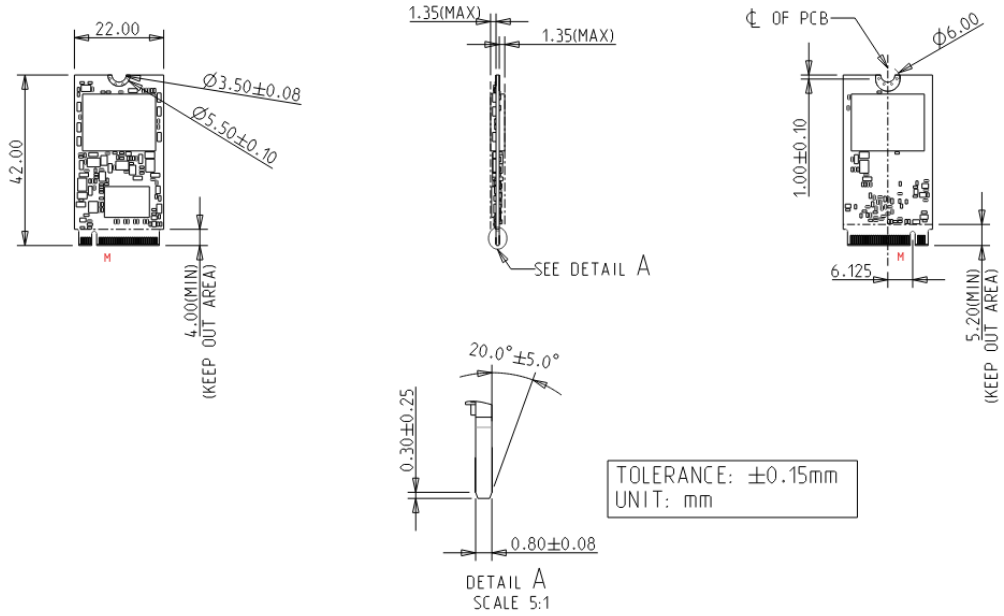
- Equipped with 112-layer 3D TLC NAND Flash
- Utilizes Ultra iSLC Technology
- Dynamic Thermal Management
- Support iPower Guard & iData Guard
- Support TCG Opal 2.0 (Optional)

SPECIFICATIONS

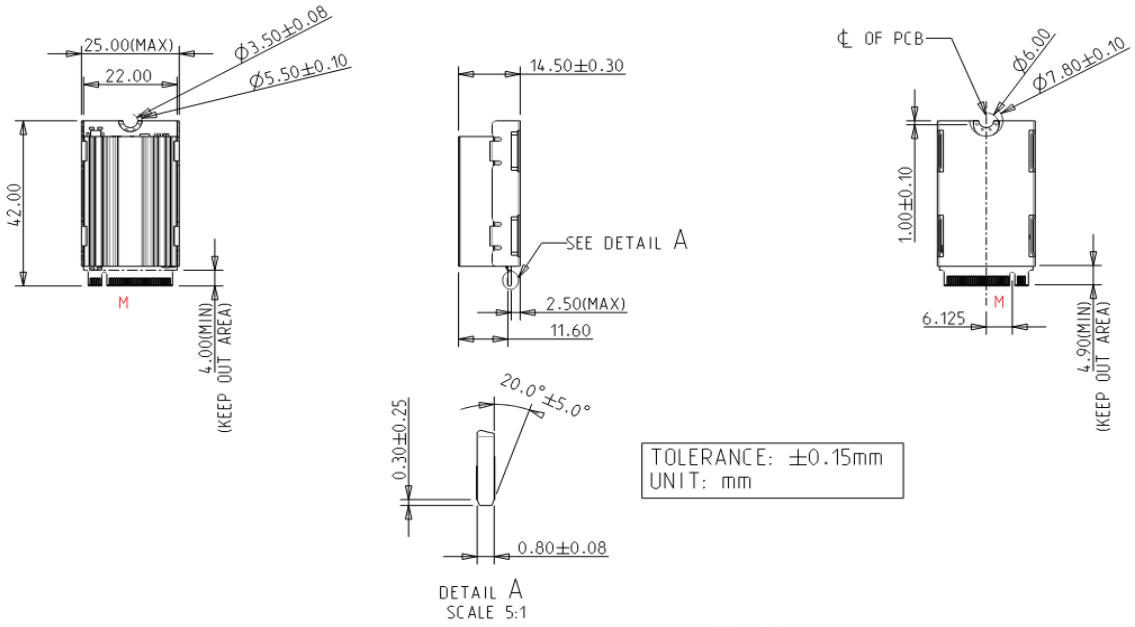
Model Name	M.2 (P42) 4IE2
Flash Type	iSLC (3D TLC)
Interface	PCIe Gen 4 x4
Form Factor	M.2 2242 M Key
Capacity	40GB ~ 640GB
Sequential R / W (MB/sec, max.)	3,450 / 2,850
P/E Cycle	100,000
TBW (Max.)	20,161
Storage Temperature	-40˚C ~ 85˚C
Max. Power Consumption	4.8W
Max. Channels	4
External DRAM Buffer	N
H/W Write Protect	Y (Optional)
S.M.A.R.T.	Y
AES	Y
TCG Opal	Y
Dimension (W x L x H/mm)	S/T : 22.0 x 42.0 x 3.8 W/T with heatsink : 25.0 x 42.0 x 14.5
Vibration	20G@[7 ~ 2000Hz]
Shock	1500G@0.5ms
MTBF	>3 million hours
Warranty	5 Years

DIAGRAM

ST



WT



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)
40GB	DHM24-40GDF1KCADL	DHM24-40GDF1KWADLH
80GB	DHM24-80GDF1KCAQL	DHM24-80GDF1KWAQLH
160GB	DHM24-A60DF1KCAQL	DHM24-A60DF1KWAQLH
320GB	DHM24-D2GDF1KCAQL	DHM24-D2GDF1KWAQLH
640GB	DHM24-F4GDF1KCAQQ	DHM24-F4GDF1KWAQQH

For TCG OPAL function, the PN Code 10th ~ 12th will be DF2.

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