

M.2 (P42) 4IE3 series

Diagram (ST)

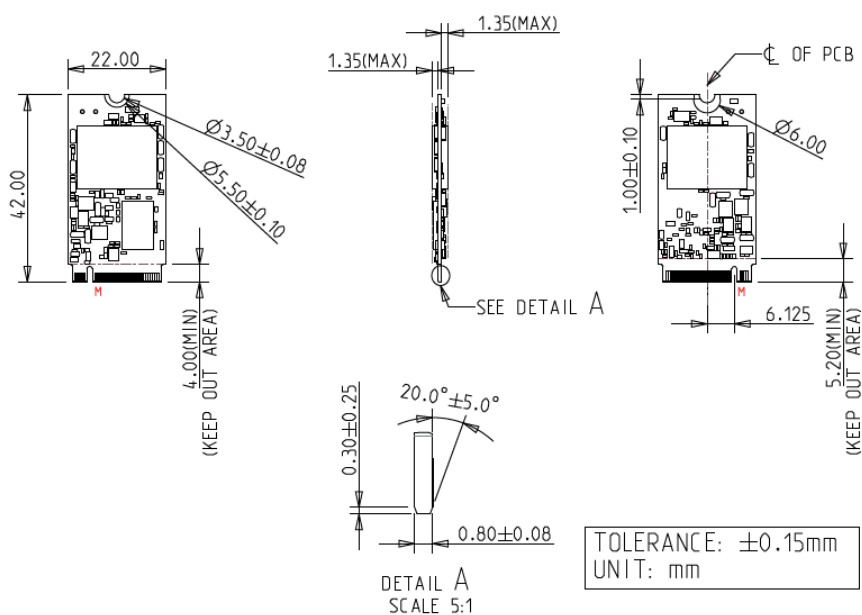
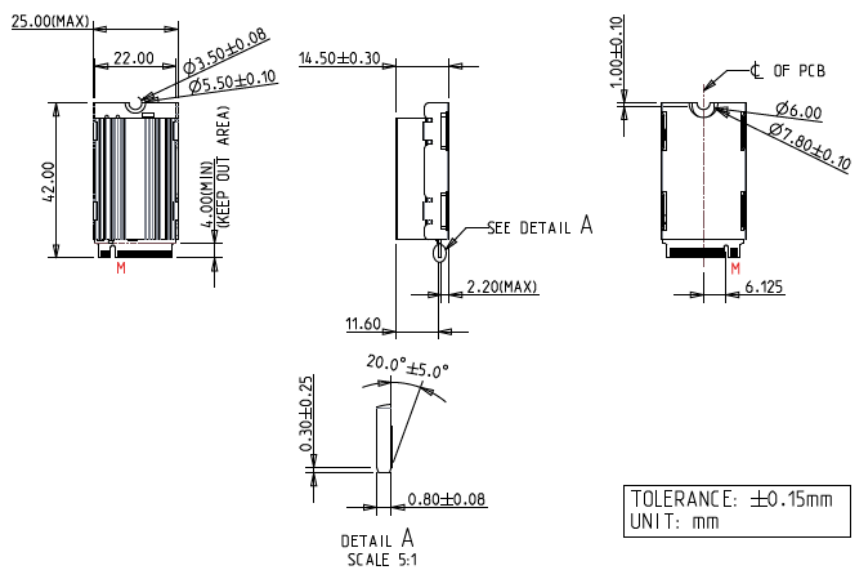


Diagram (WT)



Specification

Interface	PCIe Gen. 4 x4
Flash Type	iSLC (3D TLC)
P/E cycle	100,000
Capacity	40GB~640GB
Max. Channels	4
Sequential R/W (MB/s, Max)	3,500/3,000
Max. Power Consumption (RMS)	4.8W
Thermal Sensor	√
External DRAM buffer	NA
H/W Write Protect	√ (Optional)
AES	√
TCG OPAL	√ (Optional)
Dimension (WxLxH)	WT with heatsink: 25.0 X 42.0 X 14.5 mm (Pure M.2: 22.0 X 42.0 X 3.5 mm)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	40GB	80GB	160GB	320GB	640GB
Standard Grade (0°C ~ +70°C)	DHM24-40GDH1KCADL(W)	DHM24-80GDH1KCAQL(W)	DHM24-A60DH1KCAQL(W)	DHM24-D2GDH1KCAQL(W)	DHM24-F4GDH1KCAQQ(W)
Industrial Grade (-40°C ~ +85°C)	DHM24-40GDH1KWADL(W)H	DHM24-80GDH1KWAQL(W)H	DHM24-A60DH1KWAQL(W)H	DHM24-D2GDH1KWAQL(W)H	DHM24-F4GDH1KWAQQ(W)H

W: HW Write Protect
For TCG OPAL function, the PN Code 10th~12th will be DH2.