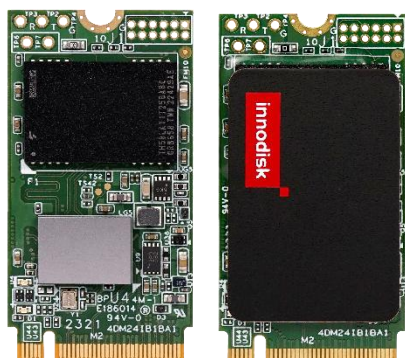




## M.2 (P42) 3TE4

### HIGHLIGHT FEATURES

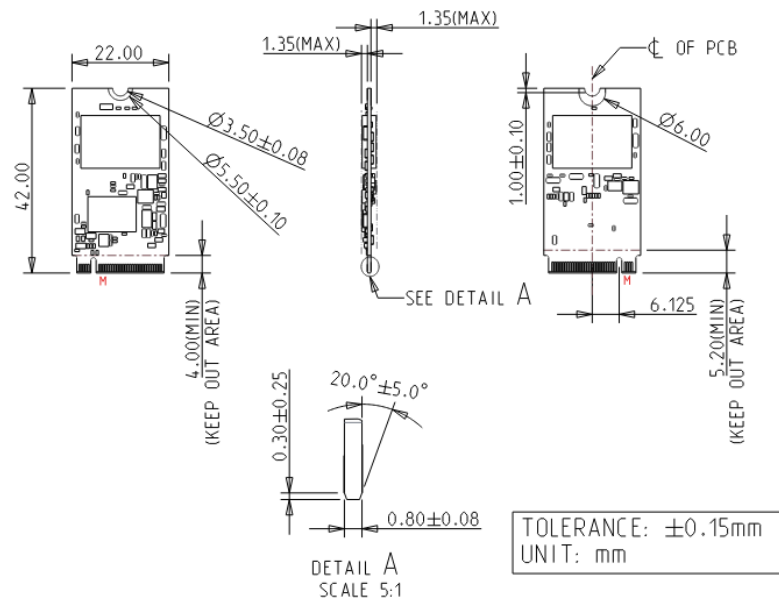
- Powered by PCIe Gen 3 x4 and NVMe 1.3
- DRAM-less solution
- Anti-vibration mechanical design
- Dynamic Thermal Throttling
- iPower Guard Protection
- Supports wide temperature from -40°C to 85°C

### SPECIFICATIONS

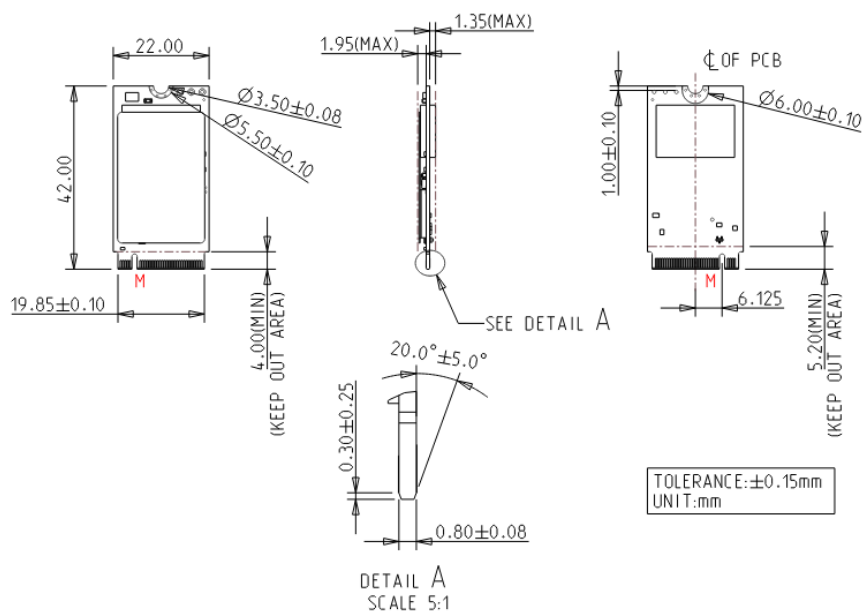
|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Model Name                      | M.2 (P42) 3TE4                                                                      |
| Flash Type                      | 3D TLC                                                                              |
| Interface                       | PCIe Gen 3 x4                                                                       |
| Form Factor                     | M.2 2242 M Key                                                                      |
| Capacity                        | 128GB ~ 512GB                                                                       |
| Sequential R / W (MB/sec, max.) | 2,600 / 1,750                                                                       |
| P/E Cycle                       | 3,000                                                                               |
| TBW (Max.)                      | 650                                                                                 |
| Storage Temperature             | -40°C ~ 85°C                                                                        |
| Max. Power Consumption          | 3.9W                                                                                |
| Max. Channels                   | 4                                                                                   |
| External DRAM Buffer            | N                                                                                   |
| 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)        | S/T : 22.0 x 42.0 x 3.5<br>W/T with heat-spreading copper layer : 25.0 x 42.0 x 4.1 |
| Vibration                       | 20G@[7 ~ 2000Hz]                                                                    |
| Shock                           | 1500G@0.5ms                                                                         |
| MTBF                            | >3 million hours                                                                    |
| Warranty                        | 3 Years                                                                             |

# DIAGRAM

## ST



## WT



# ORDER INFO.

| Operating Temperature | Standard Grade (0°C ~ 70°C) | Industrial Grade (-40°C ~ 85°C) |
|-----------------------|-----------------------------|---------------------------------|
| 128GB                 | DEM24-A28IB1KCADF           | DEM24-A28IB1KWADF               |
| 256GB                 | DEM24-B56IB1KCAQF           | DEM24-B56IB1KWAQF               |
| 512GB                 | DEM24-C12IB1KCAQF           | DEM24-C12IB1KWAQF               |

For TCG OPAL function, the PN Code 10th ~ 12th will be IB2.

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