

## M.2 (P80) 3TE8

### HIGHLIGHT FEATURES

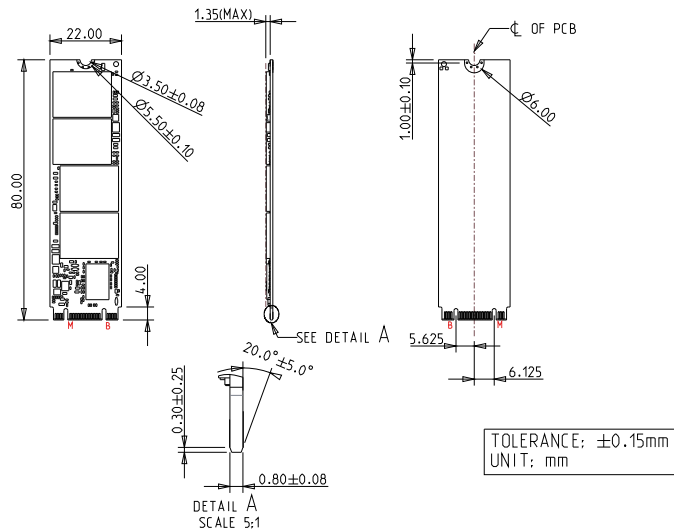
- PCIe Gen 3 x2, NVMe SSD
- Kioxia 3D TLC NAND
- Standard / Wide-temperature
- iData Guard
- Dynamic thermal management
- Hybrid write mode with SLC cache enable
- Support TCG Opal function

### SPECIFICATIONS

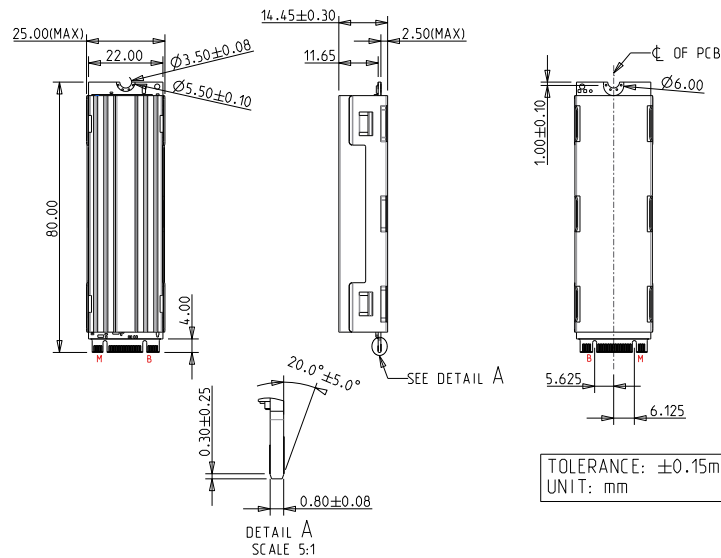
|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Model Name                      | M.2 (P80) 3TE8                                                        |
| Flash Type                      | 3D TLC                                                                |
| Interface                       | PCIe Gen 3 x2                                                         |
| Form Factor                     | M.2 2280 B+M key                                                      |
| Capacity                        | 128GB ~ 2TB                                                           |
| Sequential R / W (MB/sec, max.) | 1,750 / 1,650                                                         |
| P/E Cycle                       | 3,000                                                                 |
| TBW (Max.)                      | 2,304                                                                 |
| Storage Temperature             | -40°C ~ 85°C                                                          |
| Max. Power Consumption          | 2.8W                                                                  |
| Max. Channels                   | 4                                                                     |
| External DRAM Buffer            | N                                                                     |
| H/W Write Protect               | N                                                                     |
| S.M.A.R.T.                      | Y                                                                     |
| AES                             | Y                                                                     |
| TCG Opal                        | Y                                                                     |
| Dimension (W x L x H/mm)        | WT with heatsink: 25.0 x 80.0 x 14.45<br>Pure M.2: 22.0 x 80.0 x 2.15 |
| Vibration                       | 20G@7~2000Hz                                                          |
| Shock                           | 1500G@0.5ms                                                           |
| MTBF                            | >3 million hours                                                      |
| Warranty                        | 3 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) |
|-----------------------|-----------------------------|---------------------------------|
| 128GB                 | DEM28-A28DS2KCCDFS          | DEM28-A28DS2KWCDFSH             |
| 256GB                 | DEM28-B56DS2KCCQFS          | DEM28-B56DS2KWCQFSH             |
| 512GB                 | DEM28-C12DS2KCCQFS          | DEM28-C12DS2KWCQFSH             |
| 1TB                   | DEM28-01TDS2KCCQFS          | DEM28-01TDS2KWCQFSH             |
| 2TB                   | DEM28-02TDS2KCCQFS          | DEM28-02TDS2KWCQFSH             |

HQ (Taiwan) T +886-2-7703-3000 / E sales@innodisk.com

CN T +86-755-2167-3689 / E sales\_cn@innodisk.com

US T +1-510-770-9421 / E usasales@innodisk.com

EU T +31-40-3045-400 / E eusales@innodisk.com

JP T +81-3-6667-0161 / E jp\_sales@innodisk.com

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