



## M.2 (P80) 3IE8

### HIGHLIGHT FEATURES

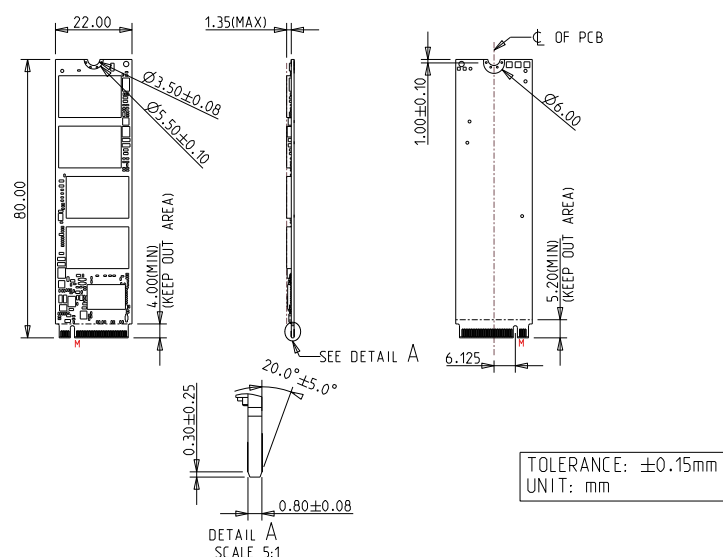
- PCIe Gen 3 x4, NVMe SSD
- Innodisk 3D TLC NAND
- Standard & Wide-temperature
- iData Guard
- Dynamic thermal management
- Ultra iSLC technology
- Support TCG Opal function

### SPECIFICATIONS

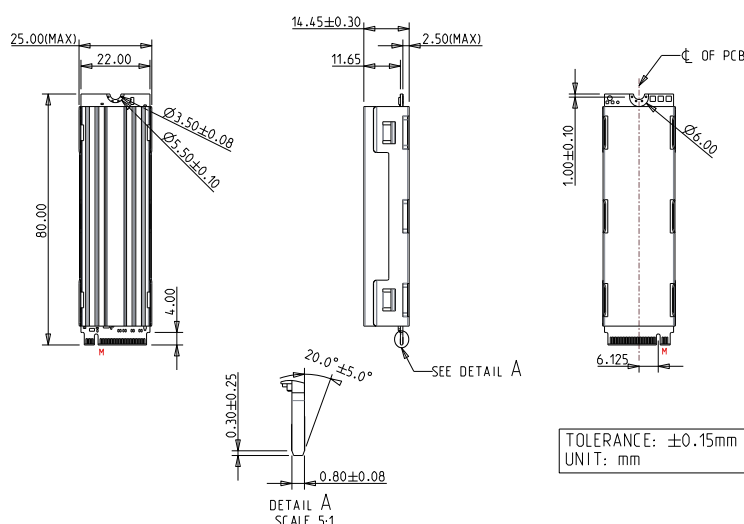
|                                 |                                                                      |
|---------------------------------|----------------------------------------------------------------------|
| Model Name                      | M.2 (P80) 3IE8                                                       |
| Flash Type                      | iSLC (3D TLC)                                                        |
| Interface                       | PCIe Gen 3 x4                                                        |
| Form Factor                     | M.2 2280 M key                                                       |
| Capacity                        | 40GB ~ 640GB                                                         |
| Sequential R / W (MB/sec, max.) | 3,400 / 2,850                                                        |
| P/E Cycle                       | 100,000                                                              |
| TBW (Max.)                      | 35663                                                                |
| Storage Temperature             | -40°C ~ 85°C                                                         |
| Max. Power Consumption          | 4.6W                                                                 |
| 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 14.5<br>Pure M.2: 22.0 X 80.0 X 2.78 |
| Vibration                       | 20G@7~2000Hz                                                         |
| Shock                           | 1500G@0.5ms                                                          |
| MTBF                            | >3 million hours                                                     |
| Warranty                        | 5 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) |
|-----------------------|-----------------------------|---------------------------------|
| 40GB                  | DHM28-40GDS2KCADLS          | DHM28-40GDS2KWADLSH             |
| 80GB                  | DHM28-80GDS2KCAQLS          | DHM28-80GDS2KWAQLSH             |
| 160GB                 | DHM28-A60DS2KCAQLS          | DHM28-A60DS2KWAQLSH             |
| 320GB                 | DHM28-D2GDS2KCAQLS          | DHM28-D2GDS2KWAQLSH             |
| 640GB                 | DHM28-F4GDS2KCAQLS          | DHM28-F4GDS2KWAQLSH             |

**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](mailto:usasales@innodisk.com)

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

**JP** T +81-3-6667-0161 / E [jp\\_sales@innodisk.com](mailto:jp_sales@innodisk.com)

innodisk