



## M.2 (P80) 3TE8

### HIGHLIGHT FEATURES

- PCIe Gen 3 x4, NVMe SSD
- Kioxia 3D TLC NAND
- Standard / Wide-temperature
- iDataguard
- Dynamic Thermal Management
- Hybrid Write Mode with SLC Cache Enable
- Support TCG OPAL function

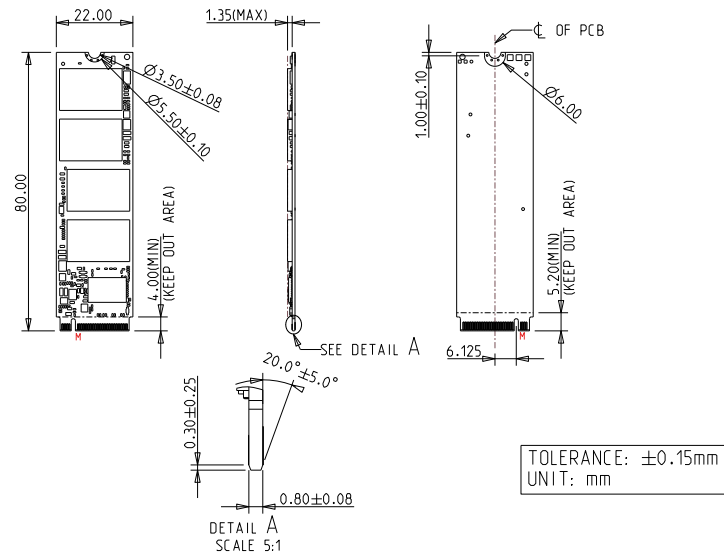
### SPECIFICATIONS

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Model Name                      | M.2 (P80) 3TE8                                                        |
| Flash Type                      | 3D TLC                                                                |
| Interface                       | PCIe Gen 3 x4                                                         |
| Form Factor                     | M.2 2280 M key                                                        |
| Capacity                        | 128GB ~ 2TB                                                           |
| Sequential R / W (MB/sec, max.) | 3,400 / 2,750                                                         |
| TBW (Max.)                      | 2,304                                                                 |
| Storage Temperature             | -40°C ~ 85°C                                                          |
| Max. Power Consumption          | 5.9W                                                                  |
| 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                                                               |

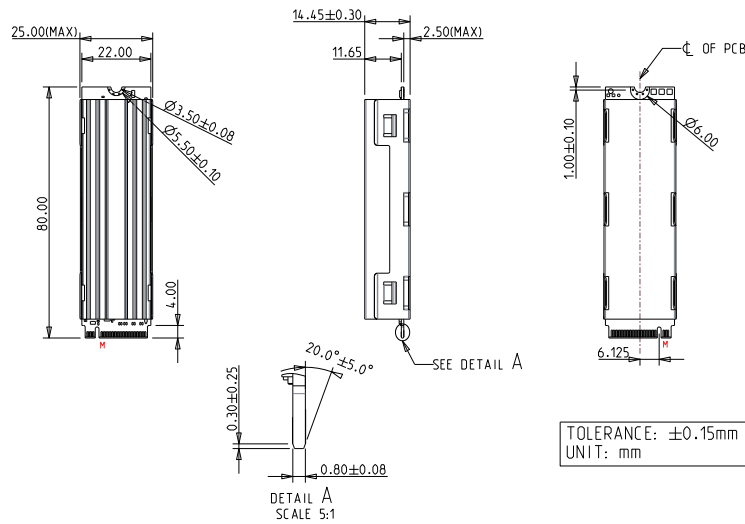


# DIAGRAM

## ST



## WT



# ORDER INFO.

|       | Standard Grade (0°C ~ 70°C) | Industrial Grade (-40°C ~ 85°C) |
|-------|-----------------------------|---------------------------------|
| 128GB | DEM28-A28DS2KCADFS          | DEM28-A28DS2KWADFSH             |
| 256GB | DEM28-B56DS2KCAQFS          | DEM28-B56DS2KWAQFSH             |
| 512GB | DEM28-C12DS2KCAQFS          | DEM28-C12DS2KWAQFSH             |
| 1TB   | DEM28-01TDS2KCAQFS          | DEM28-01TDS2KWAQFSH             |
| 2TB   | DEM28-02TDS2KCAQFS          | DEM28-02TDS2KWAQFSH             |

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

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

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



ES France - Mobilité & Systèmes Embarqués  
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 80  
Fax. 01 47 01 16 22



e-mail : mse@es-france.com  
Site Web : www.es-france.com

