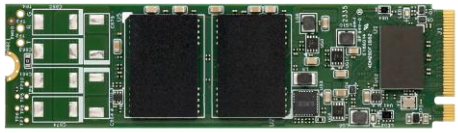
# M.2 (P80) 4TE2



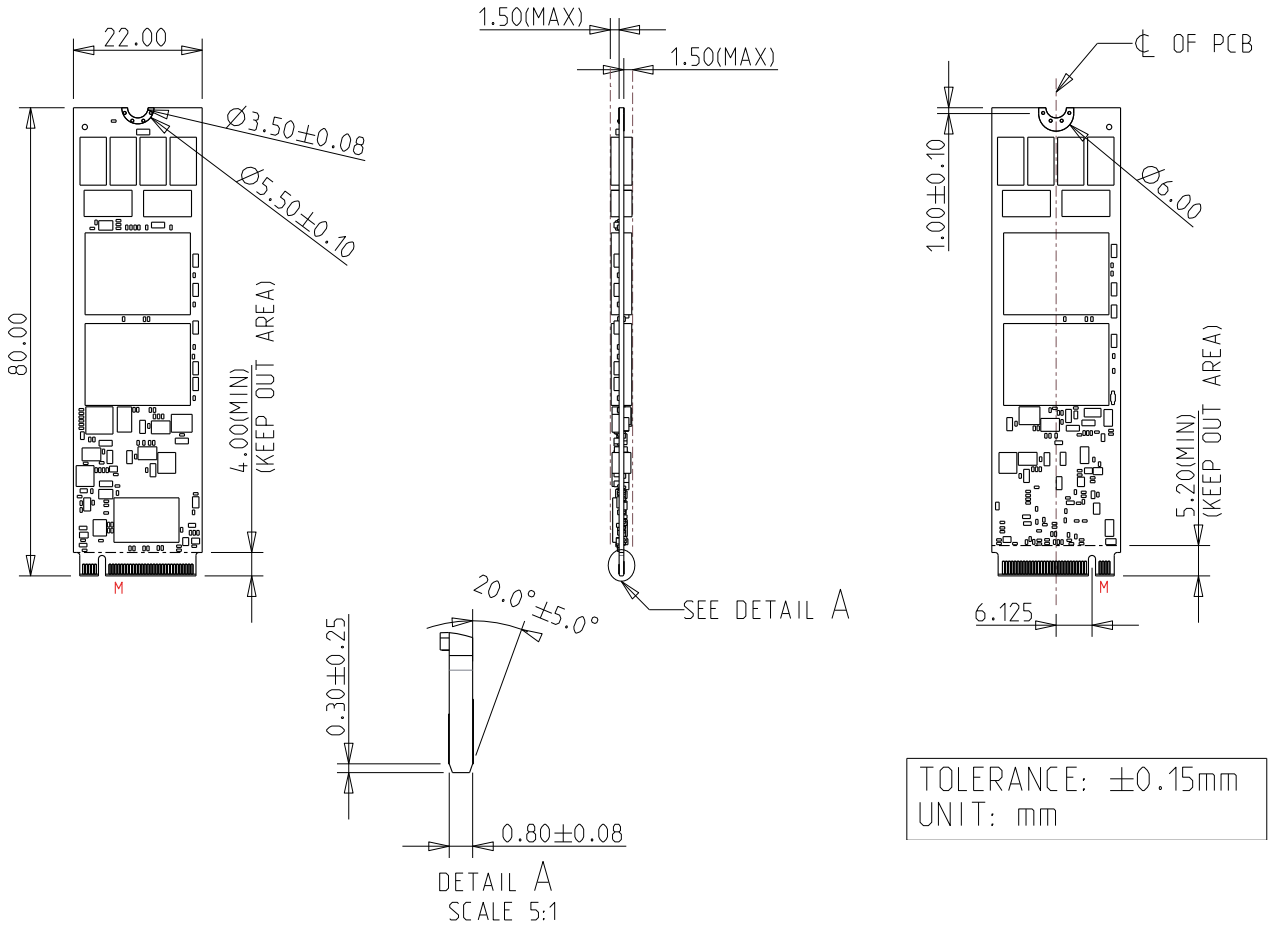
## HIGHLIGHT FEATURES

- Equipped with 112-layer 3D TLC NAND Flash
- Excellent data transfer speed
- Dynamic thermal management
- PLP (iCell) technology for power loss protection
- Support TCG Opal 2.0 (Optional)

## SPECIFICATIONS

| | |
|---|---|
| **Model Name** | M.2 (P80) 4TE2 |
| **Flash Type** | 3D TLC |
| **Interface** | PCIe Gen 4 x4 |
| **Form Factor** | M.2 2280 M Key |
| **Capacity** | 128GB ~ 2TB |
| **Sequential R / W (MB/sec, max.)** | 3,550 / 3,000 |
| **P/E Cycle** | 3,000 |
| **TBW (Max.)** | 1,706 |
| **Storage Temperature** | -40˚C ~ 85˚C |
| **Max. Power Consumption** | 5.4W |
| **Max. Channels** | 4 |
| **External DRAM Buffer** | N |
| **H/W Write Protect** | Y (Optional) |
| **S.M.A.R.T.** | Y |
| **AES** | Y |
| **TCG Opal** | Y |
| **Dimension (W x L x H/mm)** | 22.0 x 80.0 x 3.8 |
| **Vibration** | 20G@[7 ~ 2000Hz] |
| **Shock** | 1500G@0.5ms |
| **MTBF** | >3 million hours |
| **Warranty** | 3 Years |

# DIAGRAM




# ORDER INFO.

| Operating Temperature | Standard Grade (0˚C ~ 70˚C) |
|---|---|
| 128GB | DEM28-A28DF1KCADL(P) |
| 256GB | DEM28-B56DF1KCAQL(P) |
| 512GB | DEM28-C12DF1KCAQL(P) |
| 1TB | DEM28-01TDF1KCAQL(P) |
| 2TB | DEM28-02TDF1KCAQL(P) |

(P) : PLP (iCell) (Optional)
For TCG OPAL function, the PN Code 10th ~12th will be DF2.

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