



## M.2 (P30) 4TE2

### HIGHLIGHT FEATURES

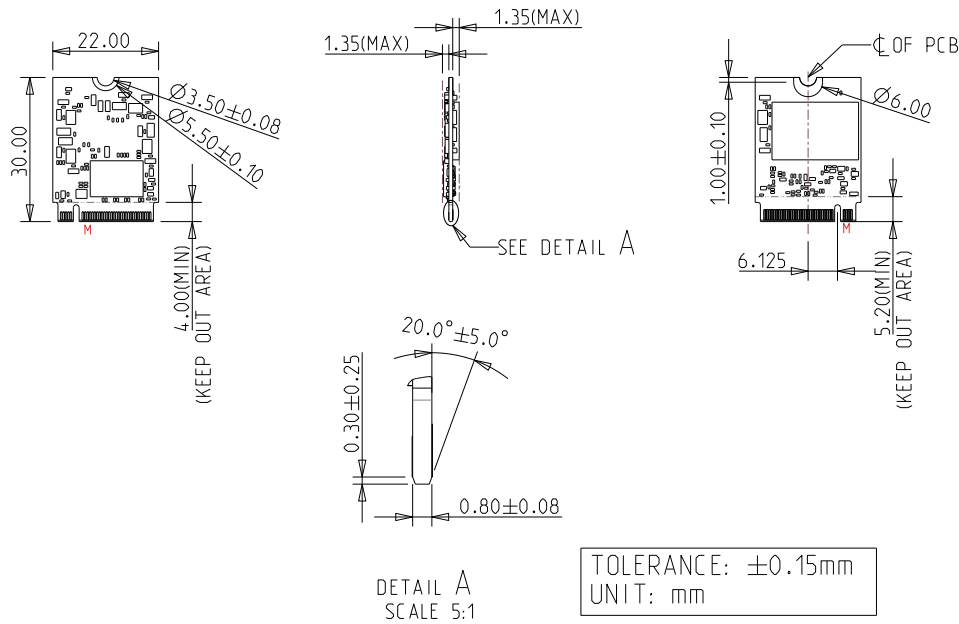
- PCIe Gen 4 x4, NVMe 1.4
- Excellent data transfer speed
- Support iPower Guard & iData Guard
- 256 bit AES hardware based encryption
- Support TCG OPAL function (optional)

### SPECIFICATIONS

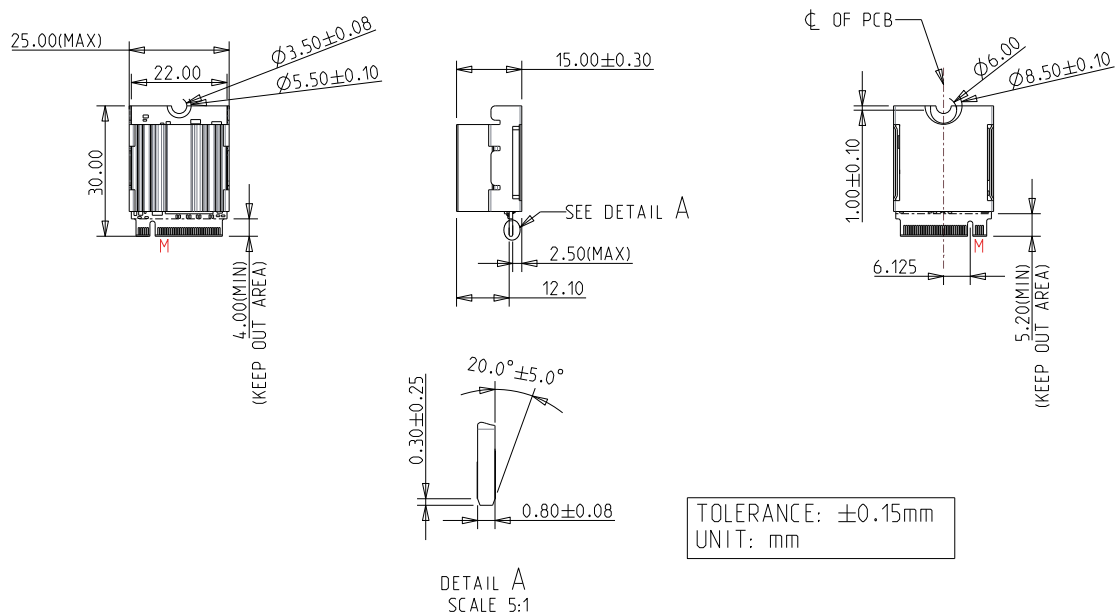
|                                 |                                                                   |
|---------------------------------|-------------------------------------------------------------------|
| Model Name                      | M.2 (P30) 4TE2                                                    |
| Flash Type                      | 3D TLC                                                            |
| Interface                       | PCIe Gen 4 x4                                                     |
| Form Factor                     | M.2 2230 M Key                                                    |
| Capacity                        | 128GB ~ 1TB                                                       |
| Sequential R / W (MB/sec, max.) | 1,750 / 1,550                                                     |
| P/E Cycle                       | 3,000                                                             |
| TBW (Max.)                      | 852                                                               |
| Storage Temperature             | -40°C ~ 85°C                                                      |
| Max. Power Consumption          | 3.1W                                                              |
| Max. Channels                   | 2                                                                 |
| External DRAM Buffer            | N                                                                 |
| H/W Write Protect               | Optional                                                          |
| S.M.A.R.T.                      | Y                                                                 |
| AES                             | Optional                                                          |
| TCG Opal                        | Optional                                                          |
| Dimension (W x L x H/mm)        | S/T : 22.0 x 30.0 x 3.5<br>W/T with heatsink : 25.0 x 30.0 x 15.0 |
| Vibration                       | 20G@[7 ~ 2000Hz]                                                  |
| Shock                           | 1500G@0.5ms                                                       |
| MTBF                            | >3 million hours                                                  |
| Warranty                        | 3 Years                                                           |

# DIAGRAM

## ST



## WT



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                 | DEM23-A28DF1KCADF           | DEM23-A28DF1KWADFH              |
| 256GB                 | DEM23-B56DF1KCADF           | DEM23-B56DF1KWADFH              |
| 512GB                 | DEM23-C12DF1KCADF           | DEM23-C12DF1KWADFH              |
| 1TB                   | DEM23-01TDF1KCADF           | -                               |

For TCG OPAL function, the PN Code 10th~12th will be DF2.

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