

## M.2 (P110) 4TS2-P

### HIGHLIGHT FEATURES

- PCIe Gen 4 x4, NVMe 1.4
- PLP (iCell) technology for power loss protection
- Stable sustained performance
- LDPC ECC engine supported
- Dynamic thermal management

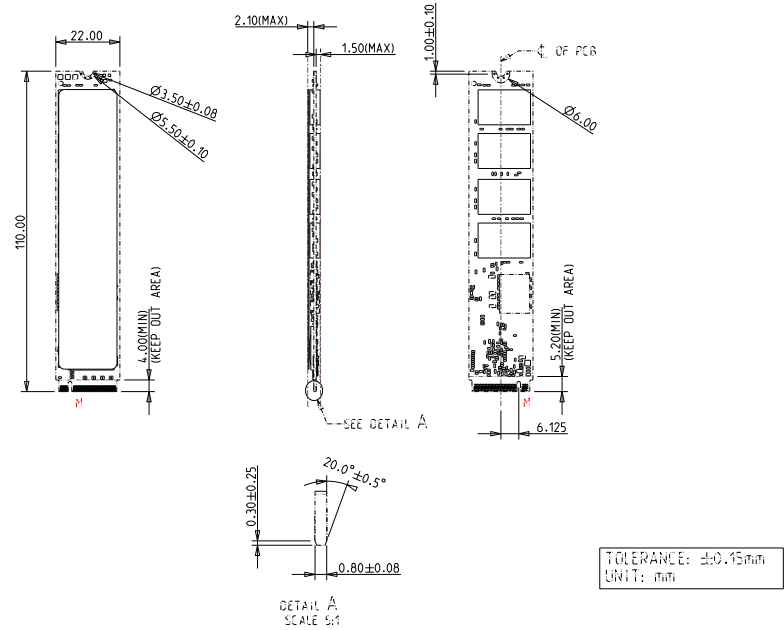


### SPECIFICATIONS

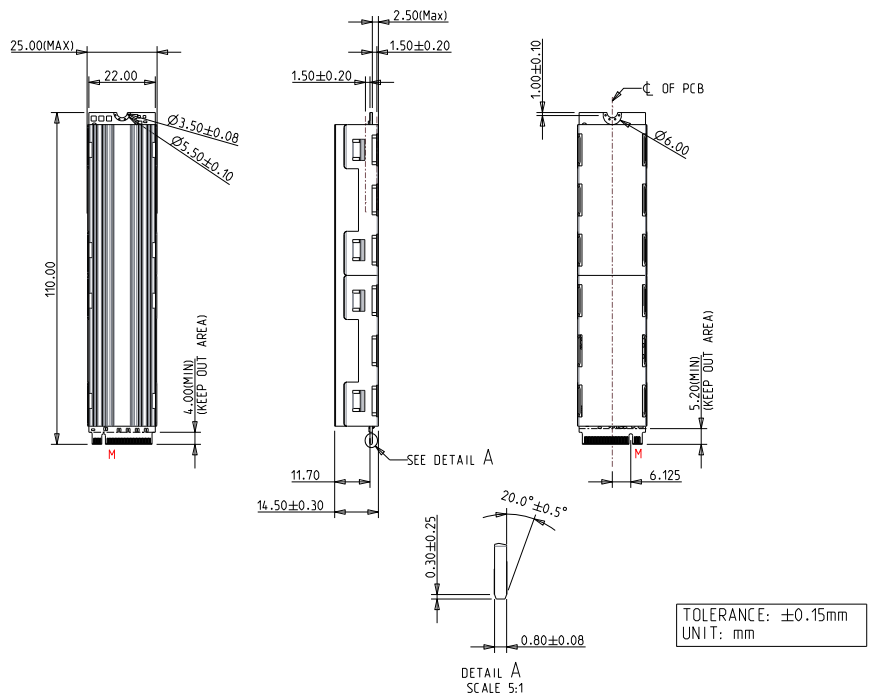
|                                 |                                                                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Model Name                      | M.2 (P110) 4TS2-P                                                                                                                       |
| Flash Type                      | 3D TLC                                                                                                                                  |
| Interface                       | PCIe Gen 4 x4                                                                                                                           |
| Form Factor                     | M.2 22110 M Key                                                                                                                         |
| Capacity                        | 400GB ~ 3.2TB                                                                                                                           |
| Sequential R / W (MB/sec, max.) | 6,950 / 4,700                                                                                                                           |
| P/E Cycle                       | 3,000                                                                                                                                   |
| TBW (Max.)                      | 5,312                                                                                                                                   |
| Storage Temperature             | -40°C ~ 85°C                                                                                                                            |
| Max. Power Consumption          | 10.1W                                                                                                                                   |
| Max. Channels                   | 8                                                                                                                                       |
| External DRAM Buffer            | Y                                                                                                                                       |
| H/W Write Protect               | N                                                                                                                                       |
| S.M.A.R.T.                      | Y                                                                                                                                       |
| AES                             | Y (Optional)                                                                                                                            |
| TCG Opal                        | Y (Optional)                                                                                                                            |
| Dimension (W x L x H/mm)        | S/T with heat-spreading copper layer : 22.0 x 110.0 x 3.3<br>W/T with heatsink : 25.0 x 110.0 x 14.45<br>Pure M.2 : 22.0 x 110.0 x 2.87 |
| 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) |
|-----------------------|-----------------------------|---------------------------------|
| 400GB                 | DSM21-400DP1KCBEPF          | DSM21-400DP1KWBEFPH             |
| 800GB                 | DSM21-800DP1KCBEPF          | DSM21-800DP1KWBEFPH             |
| 1.6TB                 | DSM21-1T6DP1KCBEPF          | DSM21-1T6DP1KWBEFPH             |
| 3.2TB                 | DSM21-3T2DP1KCBEPF          | DSM21-3T2DP1KWBEFPH             |