

# mSATA mini 3IE7



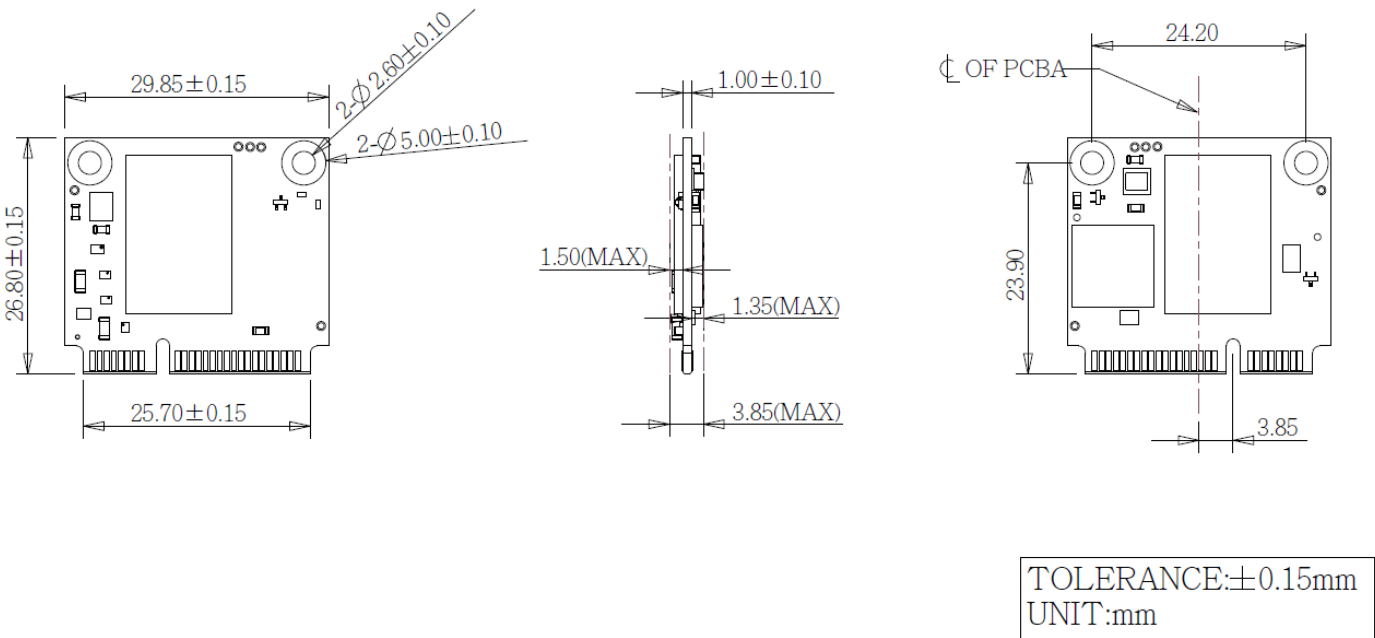
## HIGHLIGHT FEATURES

- Up to 100K P/E cycle, extending the lifespan by 33x
- Equipped with 112-layer 3D TLC NAND Flash
- Utilizes Ultra iSLC Technology
- Supports temperatures -40°C to 85°C
- 5-year warranty

## SPECIFICATIONS

|                                 |                     |
|---------------------------------|---------------------|
| Model Name                      | mSATA mini 3IE7     |
| Flash Type                      | iSLC (3D TLC)       |
| Interface                       | SATA III 6.0 Gb/s   |
| Form Factor                     | MO-300B             |
| Capacity                        | 20GB ~ 320GB        |
| Sequential R / W (MB/sec, max.) | 550 / 490           |
| P/E Cycle                       | 30,000 / 100,000    |
| TBW (Max.)                      | 20,000              |
| Storage Temperature             | -40°C ~ 85°C        |
| Max. Power Consumption          | 1.7W                |
| Max. Channels                   | 4                   |
| External DRAM Buffer            | N                   |
| H/W Write Protect               | Y (Optional)        |
| S.M.A.R.T.                      | Y                   |
| AES                             | Y (Optional)        |
| TCG Opal                        | N                   |
| Dimension (W x L x H/mm)        | 29.85 x 26.8 x 3.85 |
| Vibration                       | 20G@[7 ~ 2000Hz]    |
| Shock                           | 1500G@0.5ms         |
| MTBF                            | >3 million hours    |
| Warranty                        | 5 Years             |

DIAGRAM



ORDER INFO.

| Operating Temperature | Standard Grade (0°C ~ 70°C) | Industrial Grade (-40°C ~ 85°C) |
|-----------------------|-----------------------------|---------------------------------|
| 20GB                  | DHMSM-20GDK1KCASL           | DHMSM-20GDK1KWASL               |
| 40GB                  | DHMSM-40GDK1KCADL           | DHMSM-40GDK1KWADL               |
| 80GB                  | DHMSM-80GDK1KCA&L           | DHMSM-80GDK1KWA&L               |
| 160GB                 | DHMSM-A60DK1KCAQL           | DHMSM-A60DK1KWAQL               |
| 320GB                 | DHMSM-D2GDK1KCAQL           | DHMSM-D2GDK1KWAQL               |

&. S : 1 channel / D : 2 channels / Q : 4 channels

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