

# M.2 (S80) 3IE7

## HIGHLIGHT FEATURES

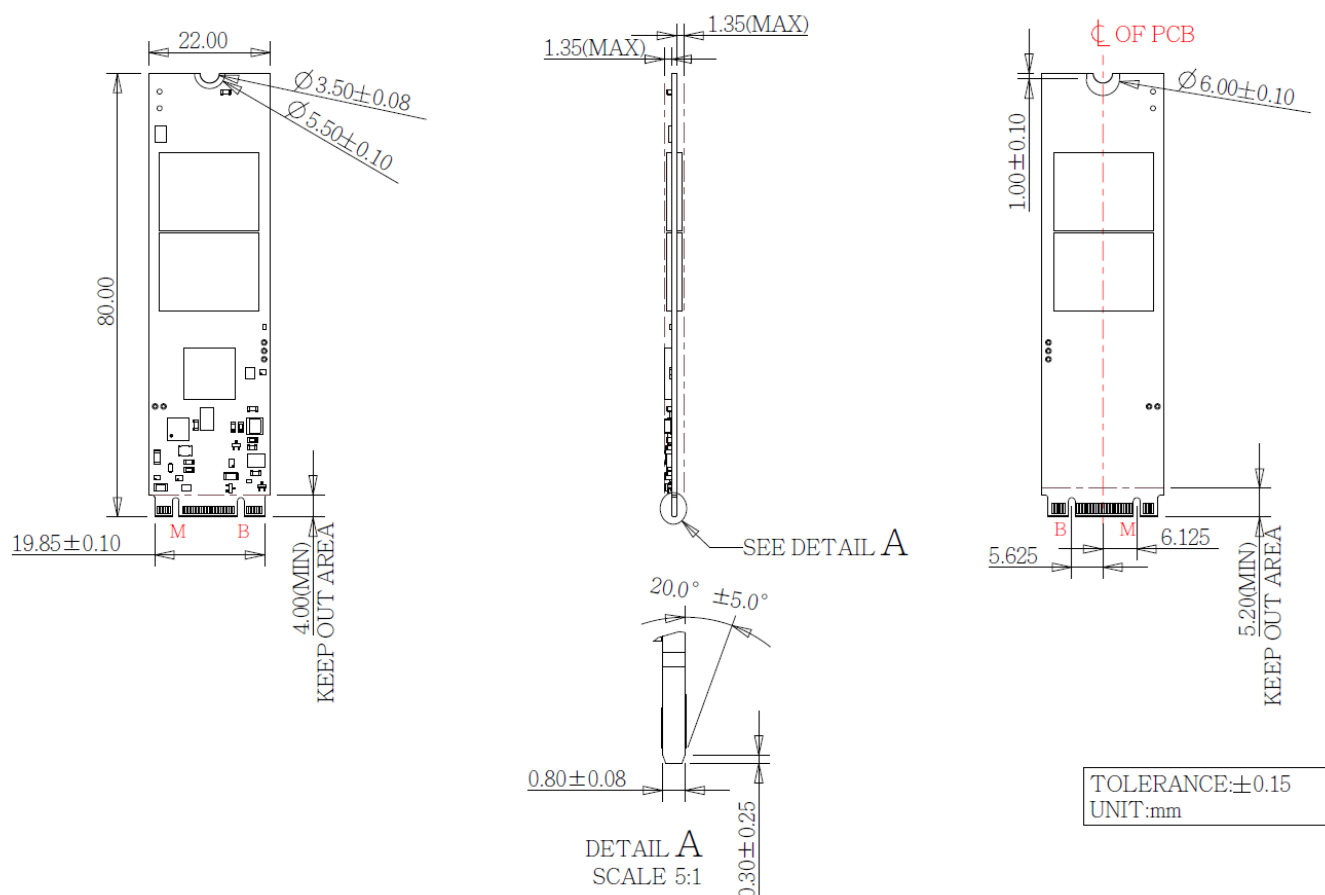


- Up to 100K P/E cycle, extending the lifespan by 33x
- Equipped with 112-layer 3D TLC NAND Flash
- Utilizes Ultra iSLC Technology
- Supports temperatures -40°C to 85°C
- 5-year warranty

## SPECIFICATIONS

|                                 |                   |
|---------------------------------|-------------------|
| Model Name                      | M.2 (S80) 3IE7    |
| Flash Type                      | iSLC (3D TLC)     |
| Interface                       | SATA III 6.0 Gb/s |
| Form Factor                     | M.2 2280 B+M Key  |
| Capacity                        | 40GB ~ 640GB      |
| Sequential R / W (MB/sec, max.) | 550 / 520         |
| P/E Cycle                       | 30,000 / 100,000  |
| TBW (Max.)                      | 40,000            |
| Storage Temperature             | -40°C ~ 85°C      |
| Max. Power Consumption          | 2.0W              |
| 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)        | 22.0 x 80.0 x 3.5 |
| 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) |
|-----------------------|-----------------------------|---------------------------------|
| 40GB                  | DHM28-40GDK1%CADL           | DHM28-40GDK1%WADL               |
| 80GB                  | DHM28-80GDK1%CA&L           | DHM28-80GDK1%WA&L               |
| 160GB                 | DHM28-A60DK1%CAQL           | DHM28-A60DK1%WAQL               |
| 320GB                 | DHM28-D2GDK1%CAQL           | DHM28-D2GDK1%WAQL               |
| 640GB                 | DHM28-F4GDK1KCAQL           | DHM28-F4GDK1KWAQL               |

%: G : 96 layers 3D TLC / K : 112 layers 3D TLC  
& S : 1 channel / D : 2 channels / Q : 4 channels

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