



## M.2 (S42) 3IE6-P

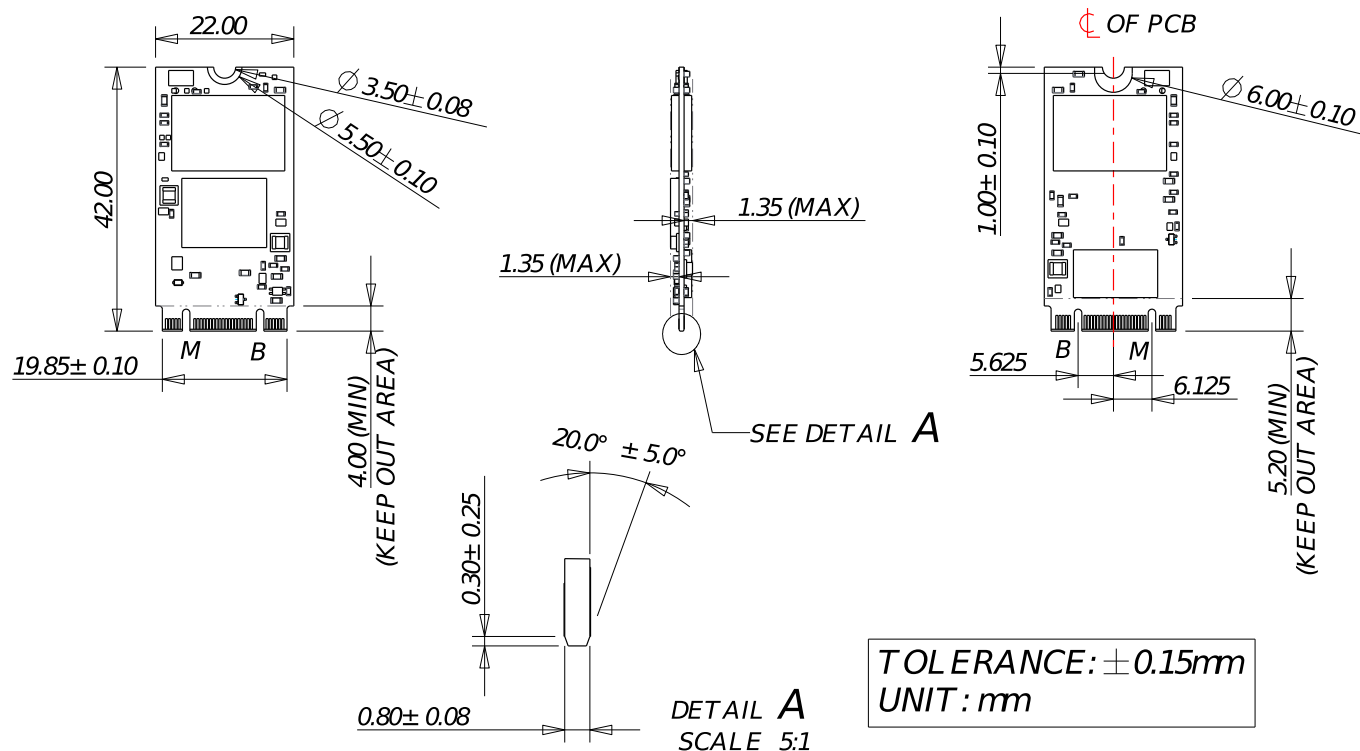
### HIGHLIGHT FEATURES

- SATA III solution for industrial field
- AES 256-bit encryption
- Excellent random performance
- Supports TRIM / NCQ / S.M.A.R.T.
- Ultra iSLC technology
- Built in iData Guard

### SPECIFICATIONS

|                                 |                   |
|---------------------------------|-------------------|
| Model Name                      | M.2 (S42) 3IE6-P  |
| Flash Type                      | iSLC (3D TLC)     |
| Interface                       | SATA III 6.0 Gb/s |
| Form Factor                     | M.2 2242 B+M Key  |
| Capacity                        | 80GB ~ 160GB      |
| Sequential R / W (MB/sec, max.) | 550 / 490         |
| P/E Cycle                       | 100,000           |
| TBW (Max.)                      | 14,580            |
| Storage Temperature             | -40°C ~ 85°C      |
| Max. Power Consumption          | 2.0W              |
| Max. Channels                   | 4                 |
| 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)        | 22.0 x 42.0 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) |
|-----------------------|-----------------------------|---------------------------------|
| 80GB                  | DHM24-80GM71EC*QF           | DHM24-80GM71EW*QF               |
| 160GB                 | DHM24-A60M71EC*QF           | DHM24-A60M71EW*QF               |

\*. PCB version control

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