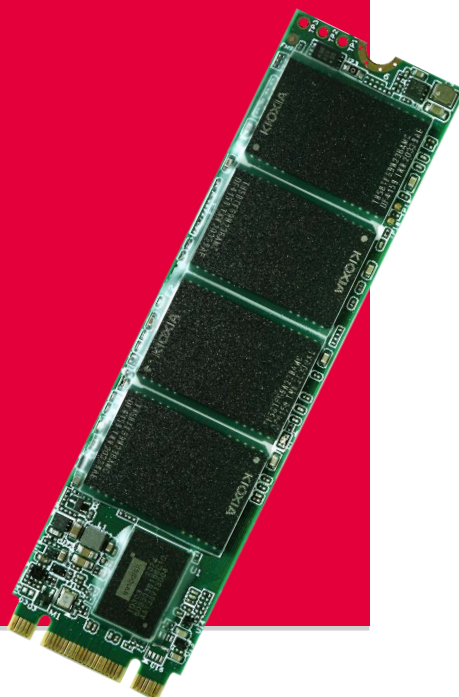


Datasheet

M.2 (P80) 3TE6 B+M Key series

- PCIe Gen. III x2, NVMe 1.3
- DRAM-less Solution
- Less Controller Heat
- Anti-Vibration mechanical design
- Hybrid Write Mode
- LDPC ECC engine supported.
- iPowerGuard Protection



Introduction

Innodisk M.2 (P80) 3TE6 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P80) 3TE6 supports PCIe Gen III x2 and it is compliant with NVM 1.3 providing excellent top and also outstanding sustained performance. With sophisticated error detection and correction (ECC) functions, the module can ensure full End-to-End data path protection that secures the data transmission between host system and NAND Flash. In addition, with embedded AES-256 bit engine, your data can be further secured.

M.2 (P80)

3TE6 series

Contact us for more information about the M2 (P80) 3TE6.

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

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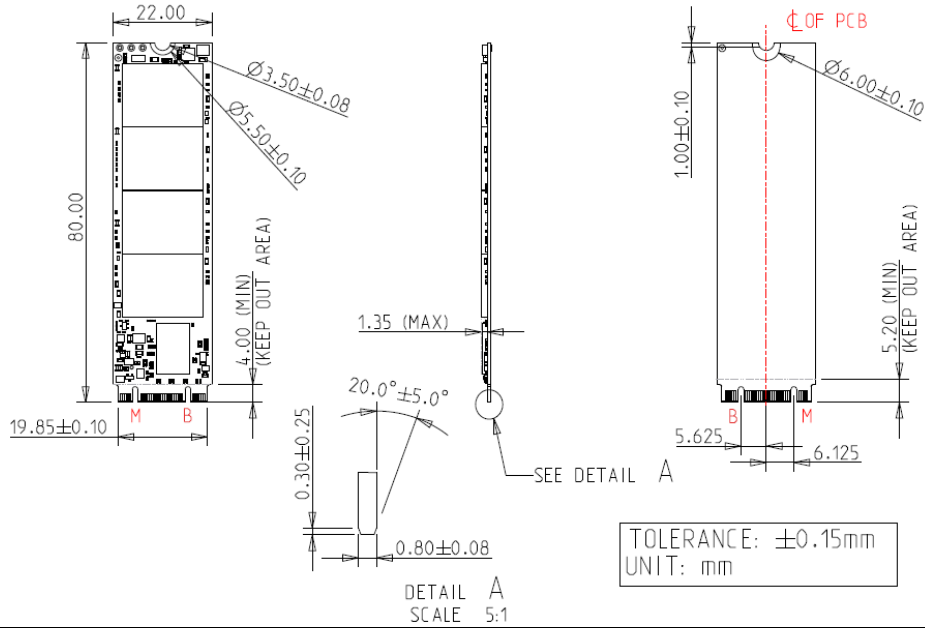
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| | |
|--|---|
| Interface | PCIe Gen. III x2 |
| Flash Type | 3D TLC |
| P/E cycle | 3,000 |
| Capacity | 64GB~2TB |
| Max. Channels | 4 |
| Sequential R/W (MB/s, Max) | 1,650/1,650 |
| Sustained Sequential Write (MB/s, Max, Room Temperature) | 1,000 |
| Max. Power Consumption (RMS) | 5.3W |
| Thermal Sensor | √ |
| External DRAM buffer | NA |
| H/W Write Protect | NA |
| iCell | NA |
| Dimension (WxLxH) | 22.0 X 80.0 X 1.35 mm (Without Heat-Dissipating Copper Foil) 22.0 X 80.0 X 1.95 mm (With Heat-Dissipating Copper Foil. Default setting for Industrial Grade PNs.) |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Working Temperature: -40°C ~ +85°C MTBF: 3 million hours |

Ordering Information

| Operation Temp. | 64GB | 128GB | 256GB | 512GB | 1TB | 2TB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DEM28-64GDD1ECCDF | DEM28-A28DD1ECCQF | DEM28-B56DD1ECCQF | DEM28-C12DD1ECCQF | DEM28-01TDD1ECCQF | DEM28-02TDD1ECCQF |
| Industrial Grade (-40°C ~ +85°C) | DEM28-64GDD1EWCDF | DEM28-A28DD1EWCQF | DEM28-B56DD1EWCQF | DEM28-C12DD1EWCQF | DEM28-01TDD1EWCQF | DEM28-02TDD1EWCQF |

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