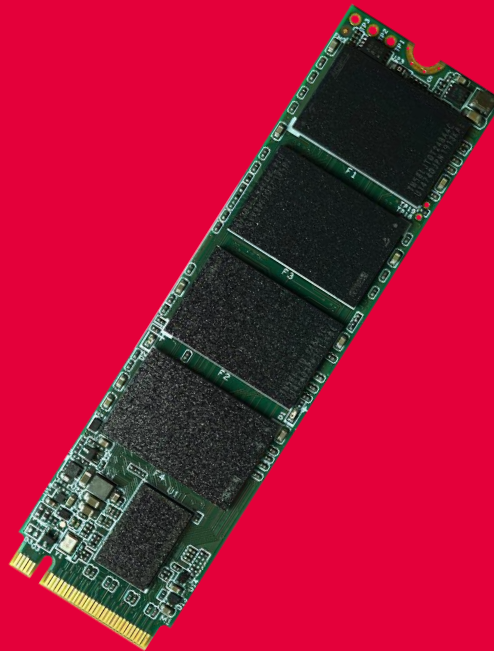


Datasheet

M.2 (P80) 3TE6 series

- PCIe Gen. III x4, 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 x 4 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.

Headquarters (Taiwan)

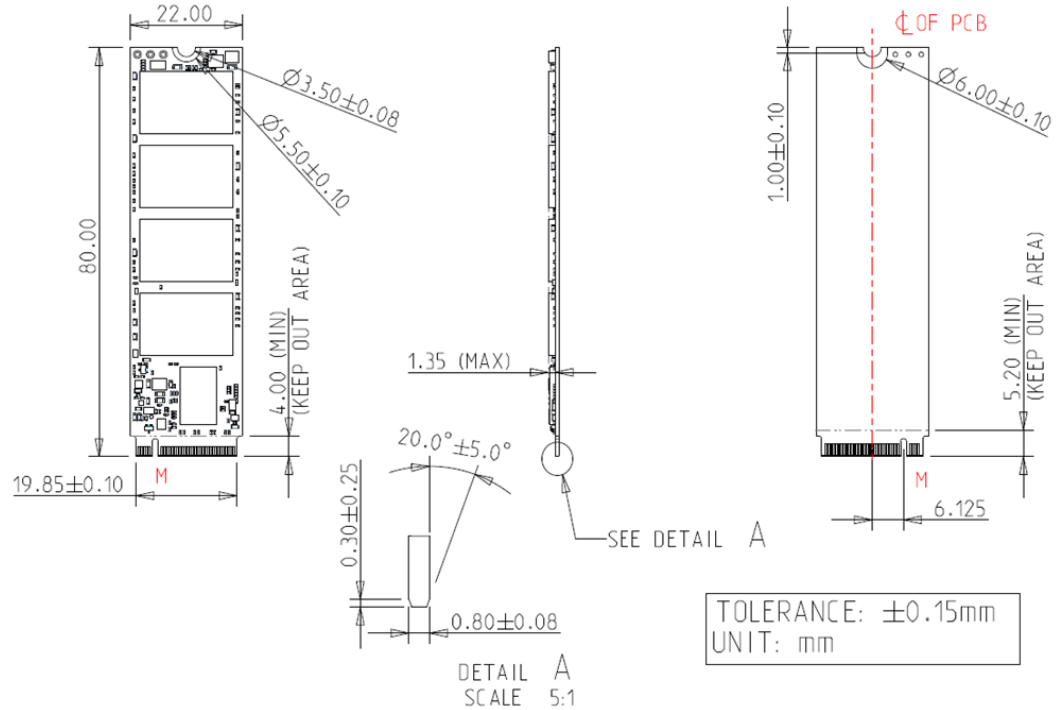
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| | |
|--|--|
| Interface | PCIe Gen. III x4 |
| Flash Type | 3D TLC |
| P/E cycle | 3,000 |
| Capacity | 64GB~1TB |
| Max. Channels | 4 |
| Sequential R/W (MB/s, Max) | 1,600/1,600 |
| Sustained Sequential Write (MB/s, Max) | 1,000 |
| Max. Power Consumption | 5W |
| 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 1.8 mm (With Heat-Dissipating Copper Foil) |
| 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 |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DEM28-64GDD1ECADF | DEM28-A28DD1ECAQF | DEM28-B56DD1ECAQF | DEM28-C12DD1ECAQF | DEM28-01TDD1ECAQF |
| Industrial Grade (-40°C ~ +85°C) | DEM28-64GDD1EWADF | DEM28-A28DD1EWAQF | DEM28-B56DD1EWAQF | DEM28-C12DD1EWAQF | DEM28-01TDD1EWAQF |