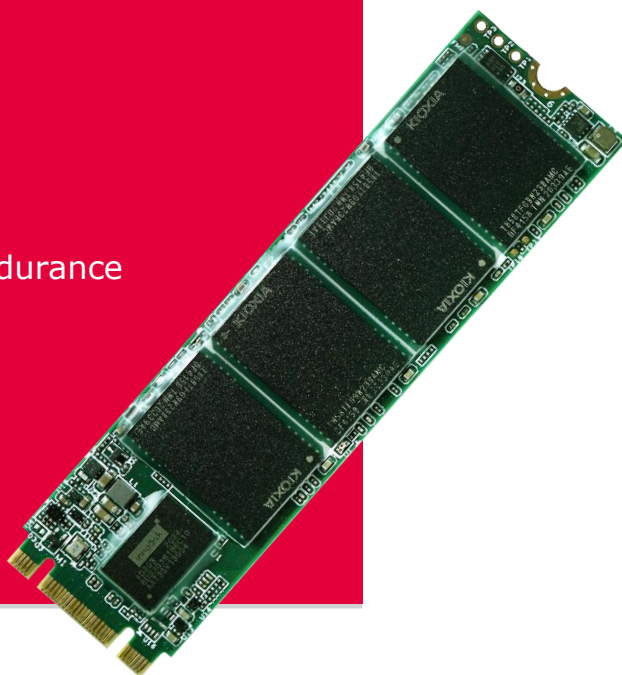


Datasheet

M.2 (P80) 3IE6 series

- PCIe Gen. III x2, NVMe 1.3
- DRAM-less Solution
- Less Controller Heat
- Anti-Vibration Mechanical Design
- iSLC Mode for Excellent Performance & Endurance
- LDPC ECC Engine Supported.
- iPowerGuard Protection



Introduction

Innodisk M.2 (P80) 3IE6 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P80) 3IE6 supports PCIe Gen III x2 and it is compliant with NVMe 1.3. With iSLC mode enabled, 3IE6 provides excellent sustaining performance and outstanding endurance. 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.

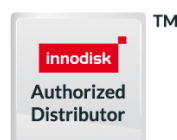
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Distributore Autorizzato per l'Italia:

Contradata Milano S.r.l.

Via Solferino 12, 20900 Monza (MB) - Italy

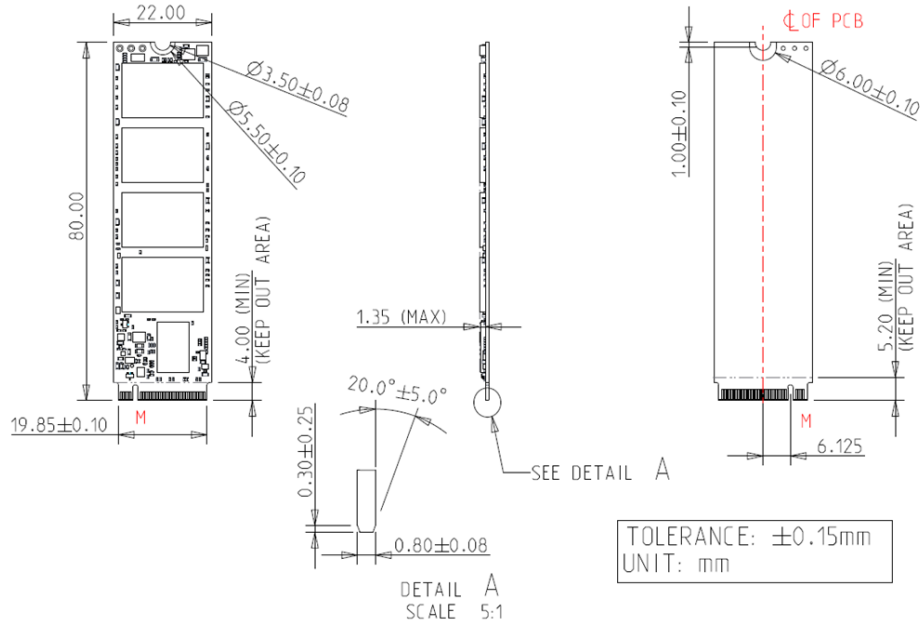
Tel: (+39) 039-230.14.92 | Email: info@contradata.it



www.contradata.it

M.2 (P80)

3IE6 series



| | |
|--|---|
| Interface | PCIe Gen. III x2 |
| Flash Type | 3D TLC |
| P/E cycle | 30,000 |
| Capacity | 20GB~320GB |
| Max. Channels | 4 |
| Sequential R/W (MB/s, Max) | 1650/1,500 |
| Sustained Sequential Write (MB/s, Max, Room Temperature) | 1,100 |
| Max. Power Consumption (RMS) | 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 1.95 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 |

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Ordering Information

| Operation Temp. | 20GB | 40GB | 80GB | 160GB | 320GB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DHM28-20GDD1ECCDF | DHM28-40GDD1ECCQF | DHM28-80GDD1ECCQF | DHM28-A60DD1ECCQF | DHM28-D2GDD1ECCQF |
| Industrial Grade (-40°C ~ +85°C) | DHM28-20GDD1EWCDF | DHM28-40GDD1EWCQF | DHM28-80GDD1EWCQF | DHM28-A60DD1EWCQF | DHM28-D2GDD1EWCQF |

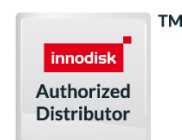
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