

Datasheet

M.2 (S42) 3IE6-P series

- SATA III solution for industrial field
- Exclusive L³ architecture
- Excellent random performance
- Supports TRIM/NCQ/SMART
- Built in iData Guard
- Compatible with M.2 2242-D2-B-M standard
- Designed with hardware LDPC ECC engine



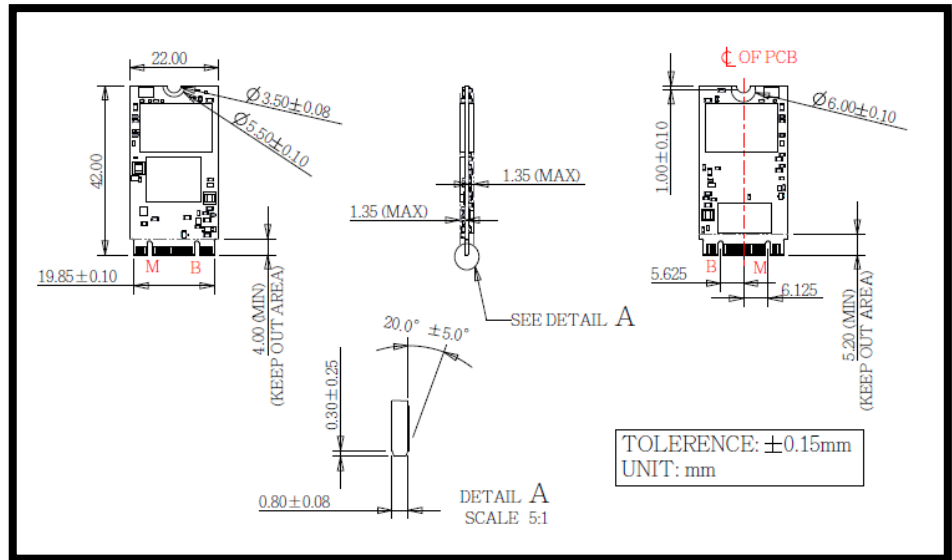
Introduction

Innodisk M.2 (S42) 3IE6-P is SATA III 6.0 Gb/s flash based disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. M.2 (S42) 3IE6-P not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

Innodisk M.2 (S42) 3IE6-P is designed for industrial field, and supports several standard features, including TRIM, NCQ, and S.M.A.R.T. In addition, Innodisk's exclusive industrial-oriented firmware provides a flexible customization service, making it perfect for a variety of industrial applications.

M.2 (S42) 3IE6-P series

Diagram



Contact us for more information about the M.2 (S42) 3IE6-P

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)

5F., No. 237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
Tel: +886-2-7703-3000
Email: sales@innodisk.com

Branch Offices:

USA
usasales@innodisk.com
+1-510-770-9421

Europe
eusales@innodisk.com
+31-40-3045-400

Japan
jpsales@innodisk.com
+81-3-6667-0161

China
sales_cn@innodisk.com
+86-755-21673689
www.innodisk.com

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Specifications

| | |
|-------------------------------|---|
| Interface | SATA III |
| Flash Type | iSLC (3D TLC) |
| P/E cycle | 30,000 |
| Capacity | 80GB~160GB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.) | 550/490 |
| Max. Power Consumption | 2.0W |
| Thermal Sensor | ✓ |
| External DRAM buffer | ✓ |
| H/W Write Protect | - |
| ATA Security | ✓ |
| S.M.A.R.T. | ✓ |
| Dimension (WxLxH) | 22.0 X 42.0 X 3.5 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours |

Ordering Information

| Operation Temp. | 80GB | 160GB |
|-------------------------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DHM24-80GM71EC*QF | DHM24-A60M71EC*QF |
| Industrial Grade (-40°C ~ +85°C) | DHM24-80GM71EW*QF | DHM24-A60M71EW*QF |

*: PCB version