M.2 (S42)
3IE3 series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
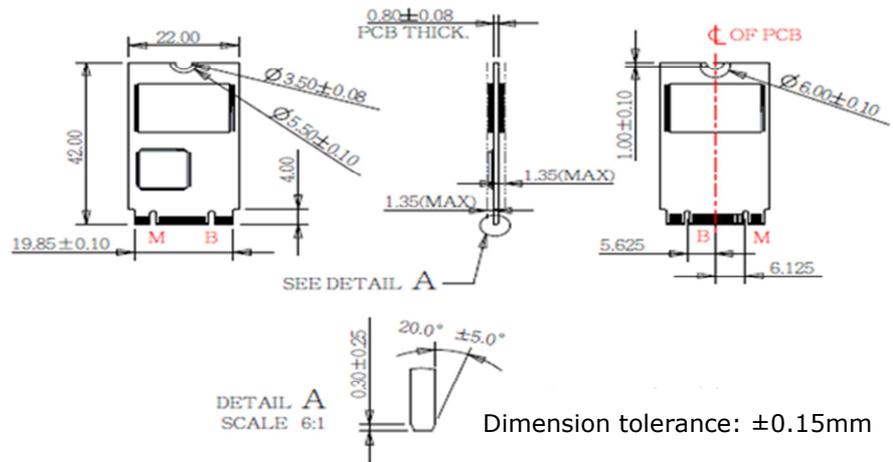- Anti-vibration mechanical design

Introduction

Innodisk M.2 (S42) 3IE3 is designed as the standard M.2 form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the M.2(NGFF) specification which established by JEDEC. Regarding of mechanical interference, Innodisk M.2 (S42) 3IE3 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S42) 3IE3 effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

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Diagram

Dimension tolerance: ±0.15mm

Specifications

Interface	SATA III
Flash Type	iSLC
P/E cycle	20,000
Capacity	8GB~64GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	230/160
Max. Power Consumption	1.3W (3.3V x 370 mA)
Thermal Sensor	ST:N/WT:Y
External DRAM buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 42.0 X 3.2 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DHM24-08GD09BC1SC	DHM24-16GD09BC1DC	DHM24-32GD09BC1DC	DHM24-64GD09BC1DC
Industrial Grade (-40°C ~ +85°C)	DHM24-08GD09BW1SC	DHM24-16GD09BW1DC	DHM24-32GD09BW1DC	DHM24-64GD09BW1DC