SATA Slim

3IE4 series

- SATA III soultion for industrial field
- Exclusive L^3 architecture
- DRAM-less, 100% data integrity
- Excellent random performance
- Supports TRIM/NCQ/SMART
- Built in iData Guard
- Compatible with JEDEC MO-297 standard
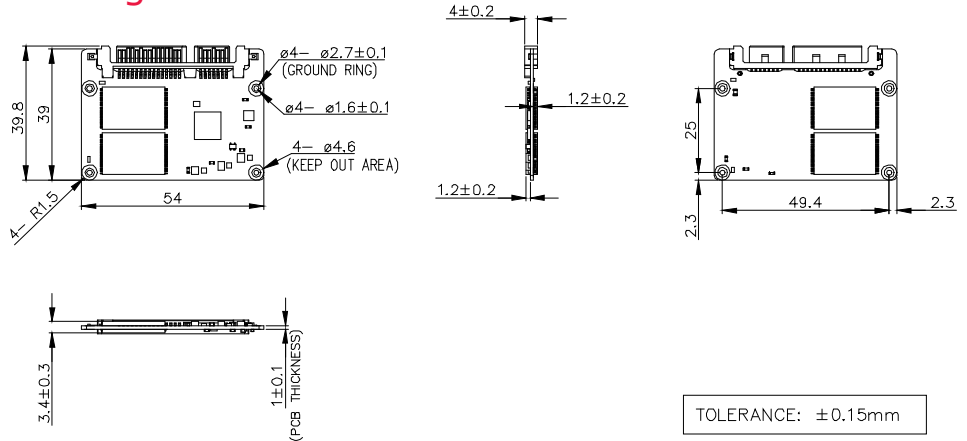- Designed with LDPC ECC engine

Introduction

Innodisk SATA Slim 3IE4 is characterized by L^3 architecture with the latest SATA III (6.0GHz) Marvell NAND controller. L^2 architecture multiplied by LDPC (Low Density Parity Check) is Innodisk's exclusive L^3 architecture. L^2 (Long Life) architecture is a 4K mapping algorithm that reduces WAF and features a real-time wear leveling algorithm to provide high performance and prolong lifespan with exceptional reliability. Innodisk SATA Slim 3IE4 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.

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Drawing

TOLERANCE: ±0.15mm

Specifications

Interface	SATA III
Flash Type	iSLC
Capacity	8GB~128GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	530 / 360
Max. Power Consumption	0.8W (5V x 160 mA)
Thermal Sensor	√
External DRAM Buffer	–
H/W Write Protect	–
Pin7 Power	–
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	54.0 X 39.0 X 4.0 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	128GB
Standard Grade (0°C ~ +70°C)	DHSLM-08GM41BC1SC DHSLM-08GM41BC1DC	DHSLM-16GM41BC1DC	DHSLM-32GM41BC1DC	DHSLM-64GM41BC1DC	DHSLM-A28M41BC1DC
Industrial Grade (-40°C ~ 85°C)	DHSLM-08GM41BW1SC DHSLM-08GM41BW1DC	DHSLM-16GM41BW1DC	DHSLM-32GM41BW1DC	DHSLM-64GM41BW1DC	DHSLM-A28M41BW1DC

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