

Datasheet

SATA Slim 3ME4 series

- SATA III solution for industrial field
- Exclusive L³ 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 3ME4 is characterized by L³ architecture with the latest SATA III (6.0GHz) Marvell NAND controller. L² architecture multiplied by LDPC (Low Density Parity Check) is Innodisk's exclusive L³ architecture. L² (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 3ME4 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.

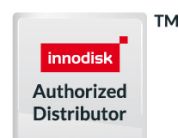
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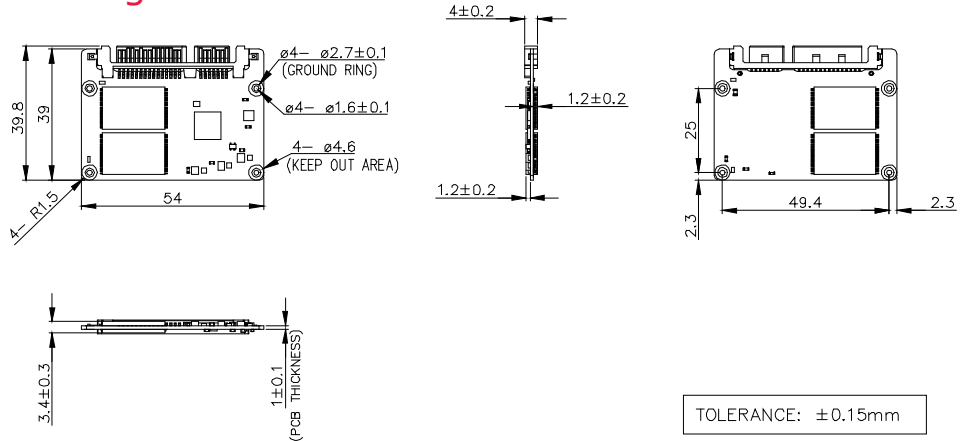
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SATA Slim 3ME4 series

Contact us for more information
about the SATA Slim 3ME4

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the industrial/embedded, aerospace and defense, and cloud computing industries.

Drawing



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~256GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	530 / 210
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

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DESLM-08GM41BC1SC	DESLM-16GM41BC1SC DESLM-16GM41BC1DC	DESLM-32GM41BC1DC	DESLM-64GM41BC1DC	DESLM-A28M41BC1DC	DESLM-B56M41BC1DC
Industrial Grade (-40°C ~ 85°C)	DESLM-08GM41BW1SC	DESLM-16GM41BW1SC DESLM-16GM41BW1DC	DESLM-32GM41BW1DC	DESLM-64GM41BW1DC	DESLM-A28M41BW1DC	DESLM-B56M41BW1DC

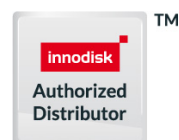
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