

Datasheet

MicroSD Card

3IE4 series

- Compliant with SD 6.1/ SD 3.0/ SD 2.0 interface
- Support Class 10 with UHS-III
- Adopt 3D TLC NAND flash
- High performance
- Targeted for portable and stationary applications
- SMART function supported



Introduction

Innodisk MicroSD 3IE4 series, supporting class 10 with UHS-III, are specifically designed for industrial PC and embedded applications. The 3.0 series SD card has latest firmware architecture and Flash algorithms, including superior wear leveling, and read disturb management ensuring highest reliability and endurance.

Innodisk MicroSD 3IE4 series provide wide range capacities from 8GB to 128GB with excellent quality TLC NAND Flash, and fully compliant to SD3.0, and SD2.0 specifications.

With its low power consumption and features above, Innodisk MicroSD 3IE4 series can be applied on industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile application.

MicroSD Card

3IE4 series

Contact us for more information about the MicroSD 3IE4 series.

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

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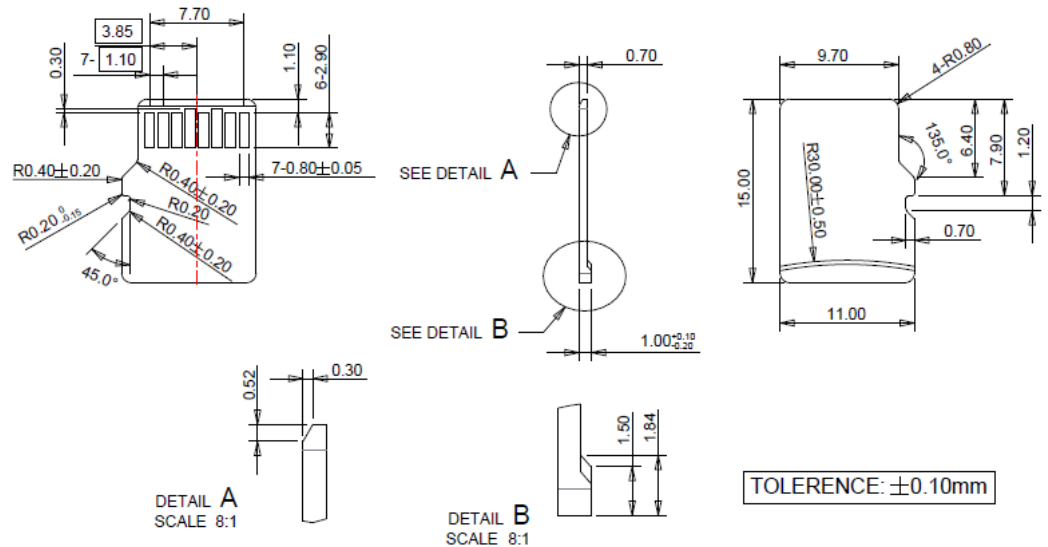
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Diagram



Specifications

Interface	SD 3.0
Flash Type	iSLC
Capacity	8GB~128GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	90/80
Max. Power Consumption	0.7 W
Thermal Sensor	-
Extended DRAM buffer	-
H/W Write Protect	-
ATA Security	-
S.M.A.R.T.	Y
Dimension (WxLxH)	11.0 X 15.0 X 1.0 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours Endurance:30,000 P/E cycles; 100,000 P/E cycles(112-L)

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB
Extended Grade (-25°C ~ +85°C)	DHSDM-08GS06EE1SL	DHSDM-16GS06%E1SL	DHSDM-32GS06%E1SL	DHSDM-64GS06%E1SL	DHSDM-A28S06%E1SL
Industrial Grade (-40°C ~ +85°C)	DHSDM-08GS06EW1SL	DHSDM-16GS06%W1SL	DHSDM-32GS06%W1SL	DHSDM-64GS06%W1SL	DHSDM-A28S06%W1SL

%. G: 96 layers 3D TLC; K: 112 layers 3D TLC

8GB is only supported by 64 layers 3D TLC.

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