

Datasheet

MicroSD Card

3IE4 series

- SD 3.0 interface
- Support Class 10 with UHS-I
- Adopt TLC NAND flash
- High performance
- Targeted for portable and stationary applications
- SMART function supported



Introduction

Innodisk MicroSD 3IE4 series, supporting class 10 with UHS-I, 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.

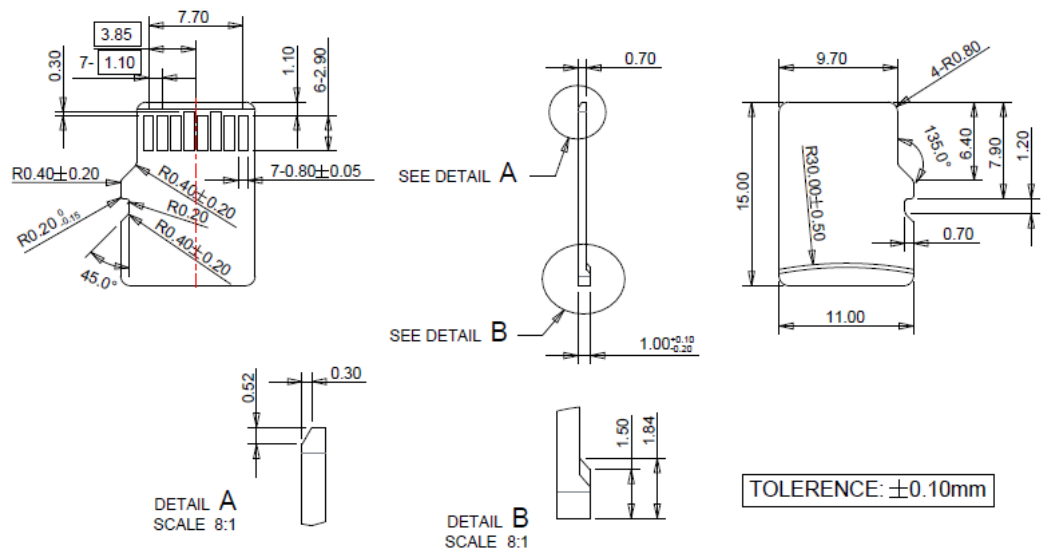
Innodisk MicroSD 3IE4 series provide wide range capacities from 8GB to 128GB with excellent quality TLC NAND Flash, and fully compliant to SD3.0, and SD2.0 specifications.

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.

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3IE4 series

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	0.66 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: -25°C ~ +85°C MTBF: 3 million hours

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB
Standard Grade (-25°C ~ +85°C)	DHSDM-08GS06EE1SL	DHSDM-16GS06GE1SL	DHSDM-32GS06GE1SL	DHSDM-64GS06GE1SL	DHSDM-A28S06GE1SL
Industrial Grade (-40°C ~ +85°C)	DHSDM-08GS06EW1SL	DHSDM-16GS06GW1SL	DHSDM-32GS06GW1SL	DHSDM-64GS06GW1SL	DHSDM-A28S06GW1SL

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