Datasheet

MicroSD Card
3ME2 series

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



Introduction

Innodisk MicroSD 3ME2 series, supporting class 10 with UHS-I (Except 8GB), 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 3ME2 series provide wide range capacities from 8GB to 64GB with excellent quality MLC NAND Flash, and fully compliant to SD3.0, and SD2.0 specifications.

With its low power consumption and features above, Innodisk MicroSD 3ME2 series can be applied on industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile application.

MicroSD Card
3ME2 series

Contact us for more information about the MicroSD 3ME2 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.

Headquarters (Taiwan)

5F., No. 237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
Tel: +886-2-77033000
Email: sales@innodisk.com

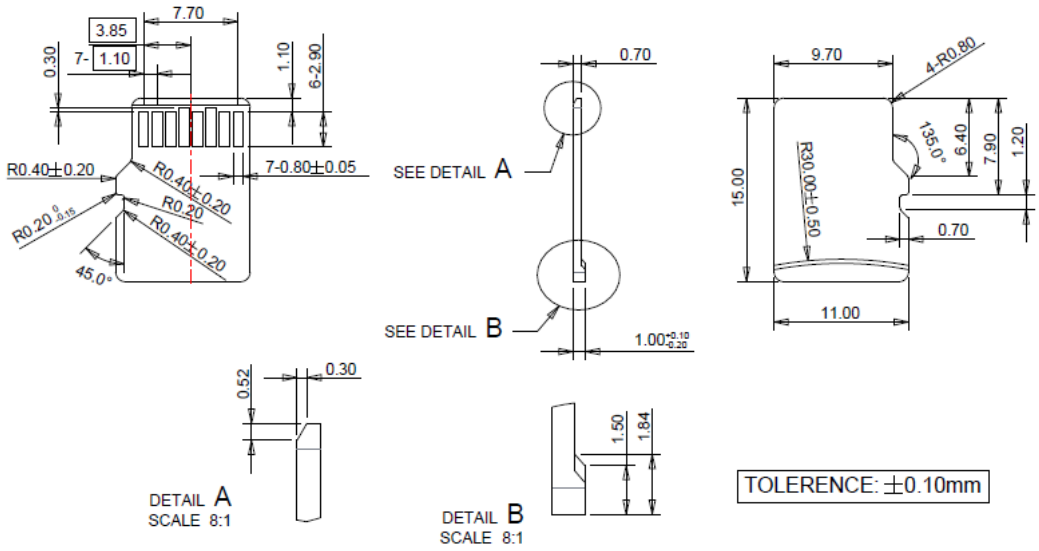
Branch Offices:

USA
usasales@innodisk.com
+1-510-770-9421
Europe
eusales@innodisk.com
+31-40-3045-400
Japan
jpsales@innodisk.com
+81-3-6667-0161
China
sales_cn@innodisk.com
+86-755-21673689
www.innodisk.com

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Diagram



Specifications

Interface	SD 3.0
Flash Type	MLC
Capacity	8GB~64GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	75/31
Max. Power Consumption	0.7W (3.3V x 219mA)
Thermal Sensor	-
Extended DRAM buffer	-
H/W Write Protect	Y
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

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB
Standard Grade (-25°C ~ +85°C)	DESDM-08GE21SEASK	DESDM-16GE21SEASK	DESDM-32GE21SEASK	DESDM-64GE21SEASK
Industrial Grade (-40°C ~ +85°C)	DESDM-08GE21SWASK	DESDM-16GE21SWASK	DESDM-32GE21SWASK	DESDM-64GE21SWASK