Datasheet

# MicroSD Card
# 3ME3 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 3ME3 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 3ME3 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 3ME3 series can be applied on industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile application.

# MicroSD Card
# 3ME3 series

***Contact us for more information about the MicroSD 3ME3 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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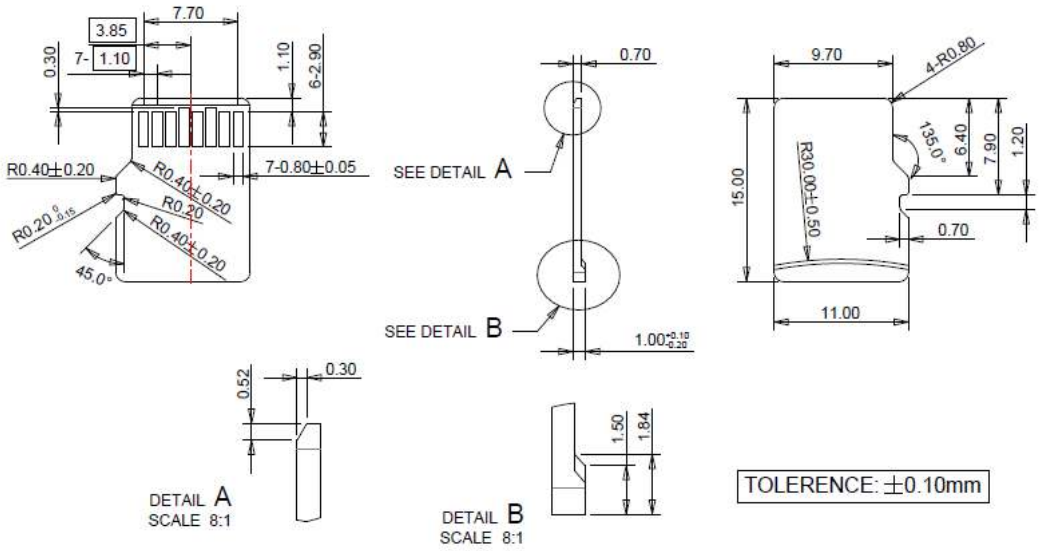
## Diagram




## 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 | 0.49W (3.3V x 149mA ) |
| 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<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -25°C ~ +85°C<br>MTBF: 3 million hours |

## Ordering Information

| Operation Temp. | 8GB | 16GB | 32GB | 64GB |
|---|---|---|---|---|
| Standard Grade (-25°C ~ +85°C) | DESDM-08GS02SE1SK | DESDM-16GS02SE1SK | DESDM-32GS02SE1SK | DESDM-64GS02SE1SK |
| Industrial Grade (-40°C ~ +85°C) | DESDM-08GS02SW1SK | DESDM-16GS02SW1SK | DESDM-32GS02SW1SK | DESDM-64GS02SW1SK |