Datasheet

M.2 (S80) 3MG2-P series

- SATA III solution for industrial field
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design



Introduction

Innodisk M.2 (S80) 3MG2-P is designed as the standard M.2 form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the M.2(NGFF) specification which established by JEDEC. Regarding of mechanical interference, Innodisk M.2 (S80) 3MG2-P absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S80) 3MG2-P effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device

M.2 (S80)
3MG2-P series

Contact us for more information about the M2 (S80) 3MG2-P.

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

Specifications

Interface	SATA III
Flash Type	MLC
P/E cycle	3,000
Capacity	16GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	530 / 450
Max. Power Consumption	4.6W (3.3V x 1.4A)
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	Optional, 1TB:N/A
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 80.0 X 3.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

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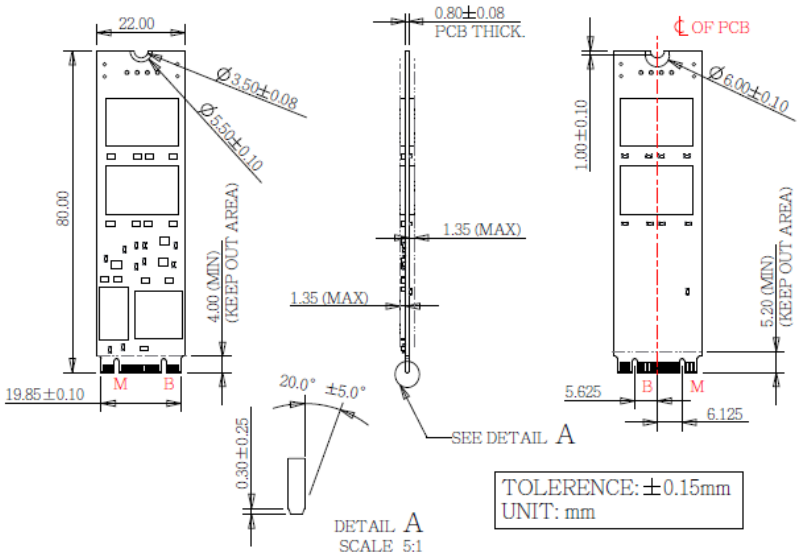
Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DGM28-32GD81BCBDC	DGM28-64GD81BCBQC	DGM28-A28D81BCBQC	DGM28-B56D81BCBQC	DGM28-C12D81BCBQC	DGM28-01TD81BCBQC
Industrial Grade (-40°C ~ +85°C)	DGM28-32GD81BWBDC	DGM28-64GD81BWBQC	DGM28-A28D81BWBQC	DGM28-B56D81BWBQC	DGM28-C12D81BWBQC	DGM28-01TD81BWBQC

Diagram

152 ball BGA type (16GB-512GB)



132 ball BGA type (1TB)

