

Datasheet

1.8" SATA SSD

3MG2-P series

- SATA III solution for industrial field
- High IOPS
- Intelligent error recovery system
- iSMART disk health monitoring
- iData Guard for abnormal power failure



Introduction

Innodisk 1.8" SATA SSD 3MG2-P is SATA III 6Gb/s flash based disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 1.8" SATA SSD 3MG2-P not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

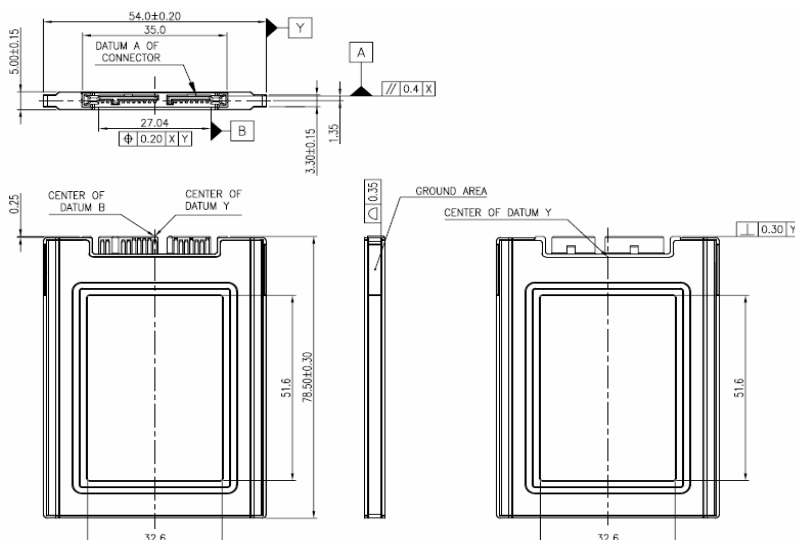
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Drawing

Contact us for more information
about the 1.8" SATA SSD 3MG2-P

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



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Specifications

Interface	SATA III
Flash Type	MLC
Capacity	256GB ~ 1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	560 / 450
4K Random (QD32) R/W (IOPS)*	74,000/75,000
Max. Power Consumption	3.2 W (5V x 640mA)
Thermal Sensor	✓
External DRAM Buffer	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	54.0 X 78.5 X 5.00 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
*Performance based on CrystalDiskMark 3.03 with file size 1000MB	

Ordering Information

Operation Temp.	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DGS18-B56D81BCAQC	DGS18-C12D81BCAQC	DGS18-01TD81BCBQC
Industrial Grade (-40°C ~ +85°C)	DGS18-B56D81BWAQC	DGS18-C12D81BWAQC	DGS18-01TD81BWBQC