Datasheet

M.2 (S42) 3TG6-P series

- SATA III soultion for industrial field
- Exclusive L^3 architecture
- Excellent random performance
- Supports TRIM/NCQ/SMART
- Built in iData Guard
- Compatible with M.2 2242-D2-B-M standard
- Designed with hardware LDPC ECC engine



Introduction

Innodisk M.2 (S42) 3TG6-P is SATA III 6.0 Gb/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. M.2 (S42) 3TG6-P not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

Innodisk M.2 (S42) 3TG6-P is designed for industrial field, and supports several standard features, including TRIM, NCQ, and S.M.A.R.T. In addition, Innodisk's exclusive industrial-oriented firmware provides a flexible customization service, making it perfect for a variety of industrial applications.

M.2 (S42)
3TG6-P series

Contact us for more information about the M.2 (S42) 3TG6-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.

Headquarters (Taiwan)

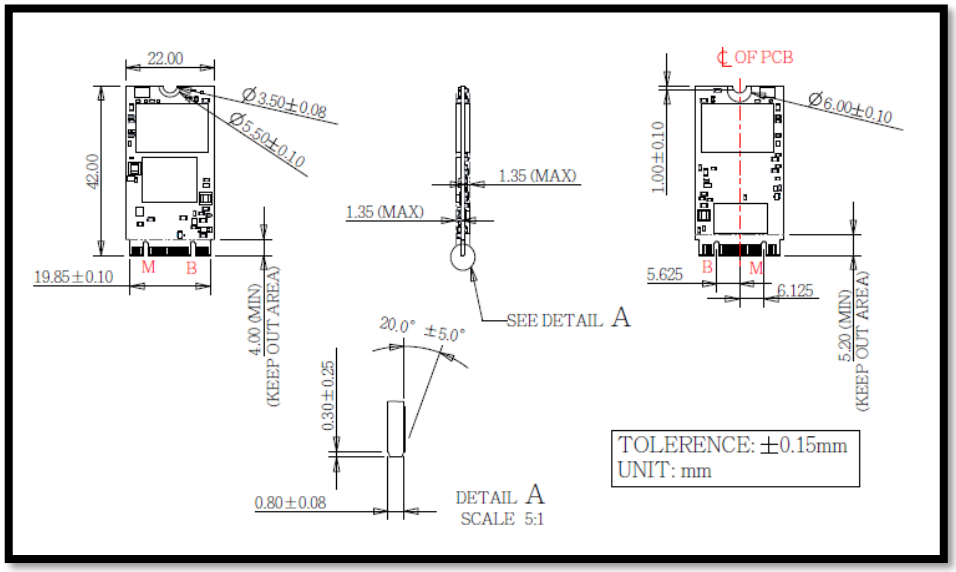
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Diagram



Specifications

Interface	SATA III
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560/510
Max. Power Consumption	2.9W
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 42.0 X 3.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DGM24-A28M71%C*&F	DGM24-B56M71%C*QF	DGM24-C12M71%C*QF	DGM24-01TM71%C*QF
Industrial Grade (-40°C ~ +85°C)	DGM24-A28M71%W*&F	DGM24-B56M71%W*QF	DGM24-C12M71%W*QF	DGM24-01TM71KWAQF

%. E: 64 layers 3D TLC; G: 96 layers 3D TLC; K: 112 layers 3D TLC

*. PCB version control

&. D=Dual channel; Q=4 channel