Datasheet

M.2 (S80) 3TG6-P series

- SATA III soultion for industrial field
- High IOPS
- AES-256bits encryption
- Excellent random performance
- End to end data path protection
- iData Guard for abnormal power failure
- iCell technology for data protection (optional)
- Compatible with M.2 2280-D2-B-M standard



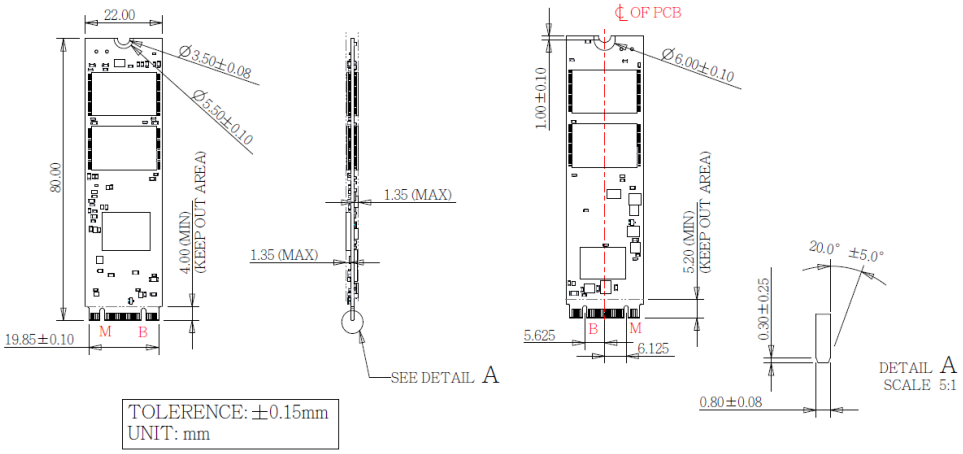
Introduction

Innodisk M.2 (S80) 3TG6-P is SATA III 6Gb/s solid state 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 (S80) 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 (S80) 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 (S80)
3TG6-P series

Diagram



Contact us for more information about the M.2 (S80) 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.

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20210908

Specifications

Interface	SATA III
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560/520
Max. Power Consumption	3.1 W (939mA x 3.3V)
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	Optional
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 80.0 X 3.8mm (Max)
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	2TB
Standard Grade (0°C ~ +70°C)	DGM28-A28M71*C%#F(S)	DGM28-B56M71*C%QF(S)	DGM28-C12M71*C%QF(S)	DGM28-01TM71*C%QF(S)	DGM28-02TM71*C%QF
Industrial Grade (-40°C ~+85°C)	DGM28-A28M71EW%QF(S)	DGM28-B56M71EW%QF(S)	DGM28-C12M71EW%QF(S)	DGM28-01TM71*W%QF(S)	DGM28-02TM71*W%QF

*. E: 64 layers 3D TLC/G: 96 layers 3D TLC/K: 112 layers 3D TLC
%. 1/A/B: PCB version control
#. D: Dual channels/Q: Quad channels
S.: Single side