

Datasheet

M.2 (S80) 3TG6-P series Single-sided

- SATA III solution for industrial field
- High IOPS
- Excellent random performance
- End to end data path protection
- iData Guard for abnormal power failure
- Single-sided design
- Compatible with M.2 2280-S2-B-M standard



Introduction

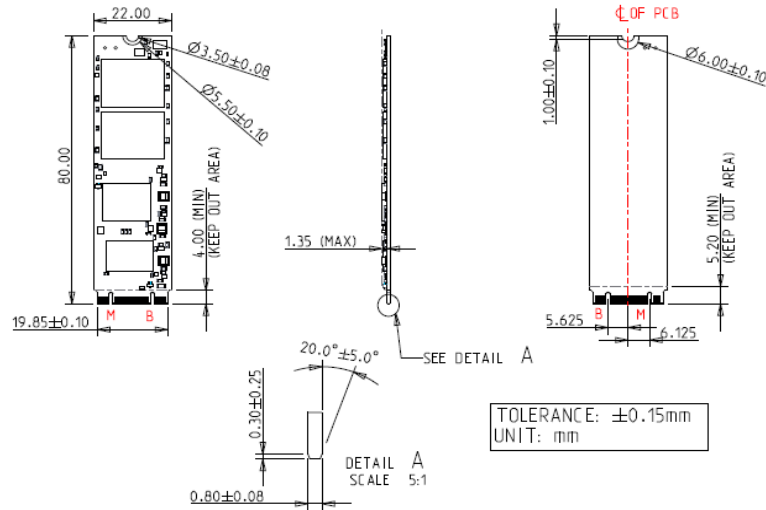
Innodisk M.2 (S80) 3TG6-P is SATA III 6Gb/s solid state disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 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



Specifications

Interface	SATA III
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	500/430
Max. Power Consumption	2.77W(838mA x 3.3V)
Thermal Sensor	√
External DRAM buffer	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 80.0 X 2.15 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Operation Temp.	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DGM28- A28M71ECBQFS	DGM28- B56M71ECBQFS	DGM28- C12M71ECBQFS
Industrial Grade (-40°C ~ +85°C)	DGM28- A28M71EWBQFS	DGM28- B56M71EWBQFS	DGM28- C12M71EWBQFS

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