

Datasheet

# M.2 (S80) 3TG6-P series

- SATA III solution 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

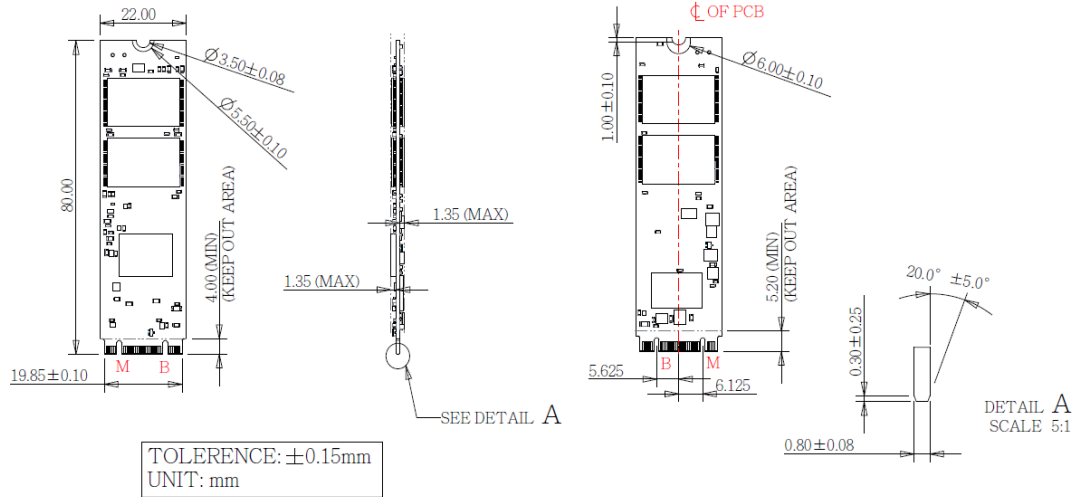
Innodisk M.2 (S80) 3TG6-P is SATA III 6Gb/s solid state disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field.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



### 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.)	510/400
Max. Power Consumption	2.9W(878mA 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

20210908

### Ordering Information

Operation Temp.	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DGM28-A28M71GC*DL(S)	DGM28-B56M71GC*QL(S)	DGM28-C12M71GC*QL(S)	DGM28-01TM71GCAQ%(S)	DGM28-02TM71GCAQQ
Industrial Grade (-40°C ~ +85°C)	DGM28-A28M71GW*DL(S)	DGM28-B56M71GW*QL(S)	DGM28-C12M71GW*QL(S)	DGM28-01TM71GW*Q%(S)	DGM28-02TM71GWAQQ

\*. 1/2/A/B: PCB version

%. L/Q: Flash config

S: Single-sided

**innodisk**

Distributore Autorizzato per l'Italia:

Contradata Milano S.r.l.

Via Solferino 12, 20900 Monza (MB) - Italy

Tel: (+39) 039-230.14.92 | Email: info@contradata.it



[www.contradata.it](http://www.contradata.it)