Datasheet

M.2 (S80) 3MG5-P series

- SATA III solution for industrial field
- L^3 architecture extends lifespan
- RAID protection
- iData Guard for abnormal power failure
- High IOPS with 3D NAND soluiton
- Built-in thermal sensor
- Intelligent error recovery system
- Zero mechanical interference
- SMART disk health monitoring

Introduction

3MG5-P is Innodisk's first product series supported 3D NAND flash. Innodisk M.2 (S80) 3MG5-P is characterized by L^3 architecture and RAID engine with the latest SATA III (6.0GHz) ID204 controller. Innodisk's exclusive L^3 architecture is L^2 architecture multiplied LDPC (Low Density Parity Check). L^2 (Long Life) architecture is a 4K mapping algorithm that reduces WAF and features a real-time wear leveling algorithm to provide high performance and prolong lifespan. Innodisk (S80) 3MG5-P is equipped RAID engine to offer additional level of data protection for exceptional reliability.

M.2 (S80)
3MG5-P series

Contact us for more information about the M2 (S80) 3MG5-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)
5F., No.237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

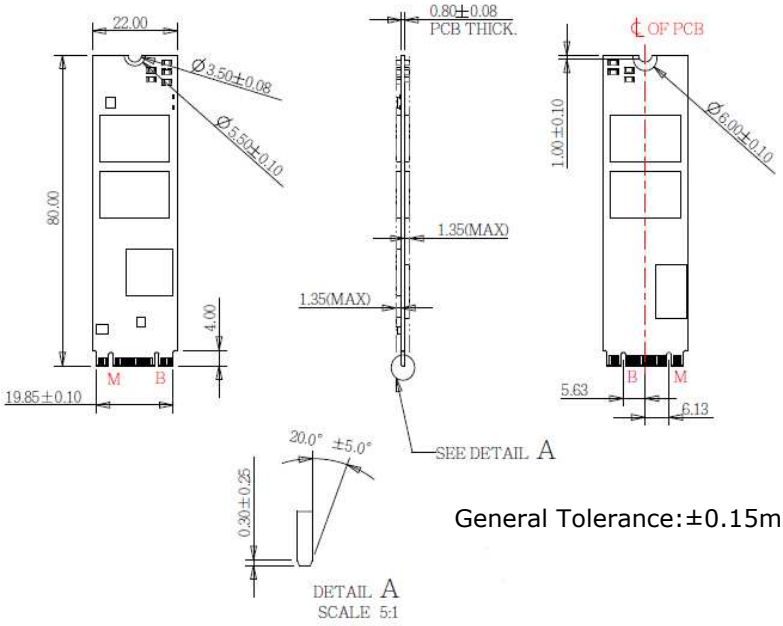
Tel: +886-2-7703-3000
Email: sales@innodisk.com

Branch Offices:
USA
usasales@innodisk.com
+1-510-770-9421
Europe
eusales@innodisk.com
+31-40-3045-400
Japan
jpsales@innodisk.com
+81-3-6667-0161
China
sales_cn@innodisk.com
+86-755-21673689
www.innodisk.com

© 2017 Innodisk Corporation. All right reserved. Specifications are subject to change without prior notice.

20171201

Drawing



General Tolerance:±0.15mm

Specifications

Interface	SATA III
Flash Type	3D MLC
P/E cycle	3,000
Capacity	128GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560 / 500
Max. Power Consumption	1.5W (3.3V x 450mA)
Thermal Sensor	√
External DRAM buffer	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 80.0 X 3.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	128GB	256GB
Standard Grade (0°C ~ +70°C)	DGM28-A28D21CCAQG	DGM28-B56D21CCAQG