Datasheet

M.2 (S42)
3MG2-P series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design

Introduction

Innodisk M.2 (S42) 3MG2-P is designed as the standard M.2 form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the M.2 (NGFF) specification which established by JEDEC. Regarding of mechanical interference, Innodisk M.2 (S42) 3MG2-P absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S42) 3MG2-P effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.
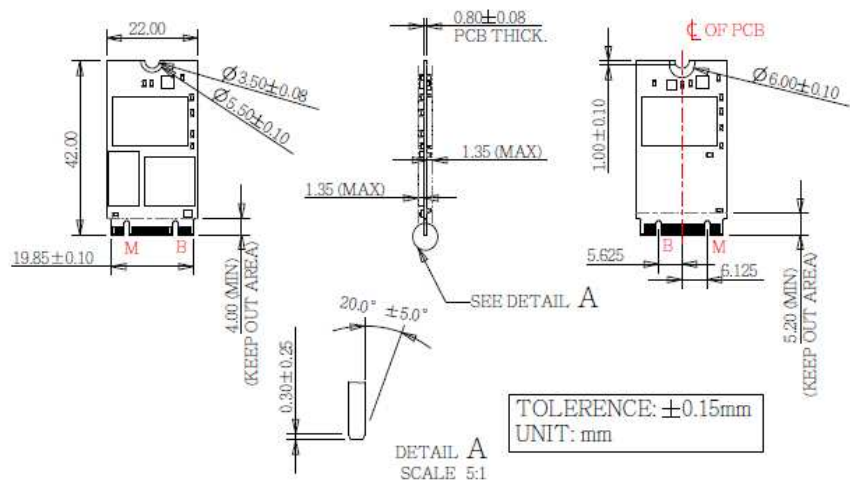
innodisk

M.2 (S42)
3MG2-P series

Diagram

DETAIL A
SCALE 5:1

TOLERENCE: ±0.15mm
UNIT: mm

Specifications

Interface	SATA III
Flash Type	MLC
P/E cycle	3,000
Capacity	32GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	530/340
Max. Power Consumption	2.6 W (3.3V x 788 mA)
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: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DGM24-32GD81BCADC	DGM24-64GD81BCAQC	DGM24-A28D81BCAQC	DGM24-B56D81BCAQC
Industrial Grade (-40°C ~ +85°C)	DGM24-32GD81BWADC	DGM24-64GD81BWAQC	DGM24-A28D81BWAQC	DGM24-B56D81BWAQC

innodisk

PLUG-IN Electronic GmbH • Am Sonnenlicht 5 • 82239 Alling • Tel.: +49 (0) 8141 3697-0 • info@plug-in.de • www.plug-in.de