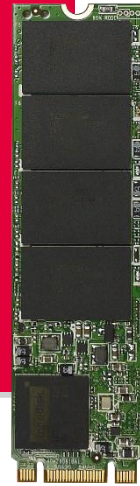Datasheet

M.2 (S80)
3MG2-P series

- SATA III solution for industrial field
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Write protection security
- Zero mechanical interference
- Anti-vibration mechanical design

Introduction

Innodisk M.2 (S80) 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 (S80) 3MG2-P absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.
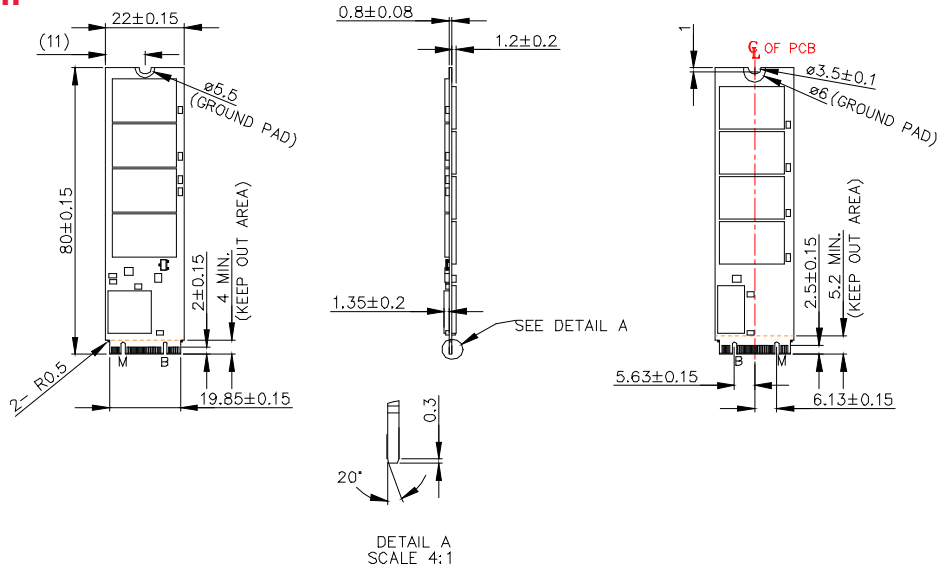
Innodisk M.2 (S80) 3MG2-P effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device

M.2 (S80)
3MG2-P series

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Diagram

Specifications

Interface	SATA III
Flash Type	MLC
P/E cycle	3,000
Capacity	128GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	410 / 430
Max. Power Consumption	2.83 W (3.3V x 0.86 A)
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	-
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	512GB
Standard Grade (0°C ~ +70°C)	DGM28-A28D81SCAQC	DGM28-B56D81SCAQC	DGM28-C12D81SCAQC
Industrial Grade (-40°C ~ +85°C)	DGM28-A28D81SWAQC	DGM28-B56D81SWAQC	DGM28-C12D81SWAQC

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