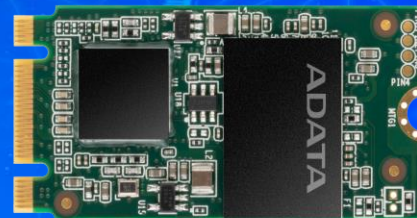


M.2 2242 SSD

IM2S3164



The ADATA IM2S3164 M.2 2242 SSD is equipped with 64-layer 3D TLC (BiCS3) NAND flash for excellent read/write performance and high capacities. Its 3K P/E cycle rating ensures long-lasting durability. What's more, with LDPC ECC error correction and RAID Engine, the IM2S3164 ensures data accuracy and integrity. The SSD comes in a range of capacities for different requirements. Customers can also benefit from ADATA's proprietary A+ SSDTOOL software for easy management and real-time monitoring of ADATA SSDs. The IM2S3164 is ideal for automation, embedded system, networking, surveillance and transportation applications.

Features

- 64-layer 3D TLC (BiCS3) NAND flash for high capacities and efficiency
- 3K P/E cycle rating for excellent durability and reliability
- Wide temperature support: -40°C to 85°C
- LDPC ECC (error correction) technology
- Supports RAID Engine and SLC Cache
- Thermal Throttling automatically adjusts temperatures for prolonged product lifespan
- Suitable for automation, embedded system, networking, surveillance and transportation applications

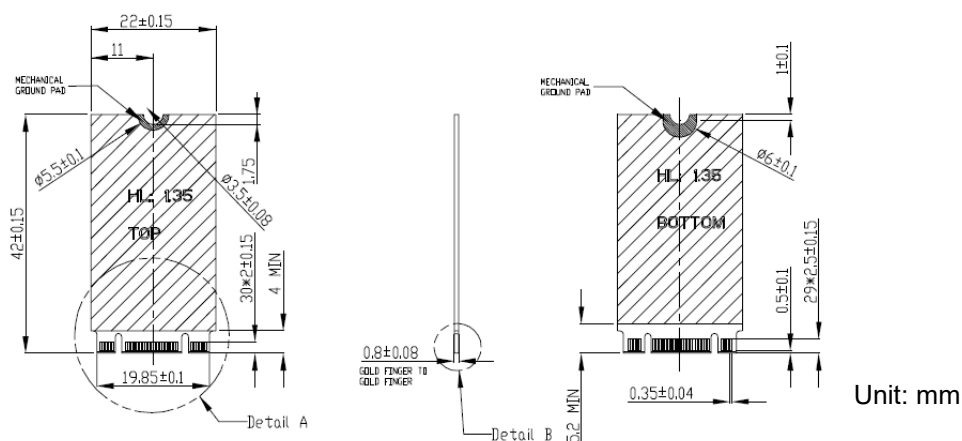
Ordering Information

Operating Temp.	64GB	128GB	256GB	512GB
0°C to 70°C	IM2S3164-064GDA	IM2S3164-128GDA	IM2S3164-256GDA	IM2S3164-512GDA
-40°C to 85°C	IM2S3164-064GPA	IM2S3164-128GPA	IM2S3164-256GPA	IM2S3164-512GPA

Specifications

Model	IM2S3164
Form Factor	M.2 2242
Capacity	64GB – 512GB
Interface	SATA III
Flash Type	64L 3D TLC
Dimensions (L x W x H)	42 x 22 x 3.6mm
Sequential Read (Max.)	560MB/s
Sequential Write (Max.)	510MB/s
Operating Temperature (Standard)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	3.3V
Power Consumption (Max)	1.49W
Shock Resistance	1500G/0.5ms, Half Sine Wave
Operating Humidity	5%-95% RH, non-condensing
Vibration Resistance	20G (20-2000Hz)
Technologies	LDPC ECC, RAID Engine, Wear Leveling, SLC Cache, TRIM and NCQ command, Thermal Throttling, S.M.A.R.T. Monitor

Diagram



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