



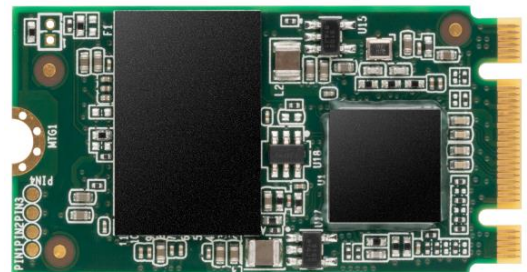
ADATA Industrial & Embedded Solutions

M.2 SSD

ADATA IM2S3164 M.2 2242 solid state drive utilizes high-quality 3D NAND flash to provide improved power efficiency and rugged reliability. It sports read/write speeds of up to 550/490MB per second, and with support for LDPC ECC technology, it can safeguard data integrity and maintain high performance. It also features TCG Opal 2.0 to keep data safe. ADATA's SSD validation process ensures quality, compatibility, and reliability with functionality testing and reliability assurance. Furthermore, ADATA SSD Toolbox software provides intuitive SSD management, S.M.A.R.T. monitoring, and system optimization to enhance industrial systems.

Key Features

- 3D TLC NAND Flash - higher capacity, durability, and power efficiency
- Advanced hardware LDPC ECC Technology
- Wide capacity range: 32GB to 512GB
- Supports TCG Opal
- Supports SLC Caching and Data Shaping
- Hardware power detector and Flash protection
- Supports S.M.A.R.T. , NCQ and Windows TRIM command



Target Applications

Servers, Data Centers, Surveillance systems, Transport systems, and PCs

30u Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
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● Supported

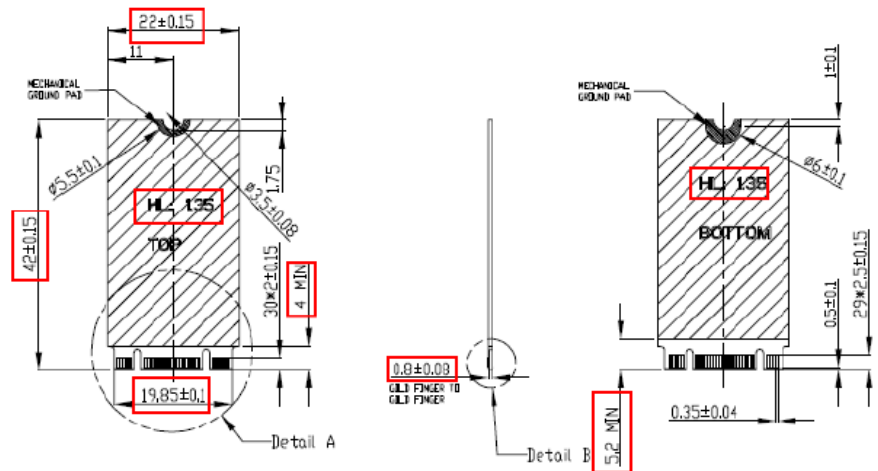
Specifications

Model	IM2S3164
Interface	M.2 2242
Flash Type	3D TLC
Operating Voltage	3.3V
Capacity	32GB-512GB
Sequential Read (Max)	550MB/s
Sequential Write (Max)	490MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperature	0°C to 70°C
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max)	1.83W
MTBF (Est)	>2,000,000 hours
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	42 x 22 x 3.5mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	3D TLC 0°C to 70°C
32GB	IM2S3164-032GDA
64GB	IM2S3164-064GDA
128GB	IM2S3164-128GDA
256GB	IM2S3164-256GDA
512GB	IM2S3164-512GDA

Dimensions



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