

# Half Slim SSD



ADATA's IHSS312 SATA III (6.0Gbps) MO-297 Half Slim Solid State Drives (SSD) feature the best quality hardware components and come with the most comprehensive internal support software, making the device compliant with JEDEC specifications. Their low-power design is intended for industrial applications and takes full advantage of ADATA's advanced A+ Testing Methodology, ensuring that the drives meet the exacting requirements of industrial and enterprise applications. When it comes to SSD quality, ADATA's A+ Testing Methodology ensures superior functionality and reliability. IHSS312 SSDs undergo the strictest quality controls to provide industrial systems with the best choice for reliability and rugged performance.

## Key Features

- Supports SATA 6Gbps / 3Gbps backwards compatible
- Standard MO-297 Half Slim form factor
- High reliability, high performance
- High-speed SLC/MLC NAND Flash
- S.M.A.R.T. function
- H/W Power Detector and Flash Protection
- Flash Management
- Power Loss Protection (PLP)
- A+ SLC Support
- Write Protection
- Quick Erase function



## Target Applications

Embedded storage systems, POS, kiosk, gaming machines, MFP, medical devices and factory automation devices

	Wide Temperature	ESD and EMI Safe	Shock and Vibration Resistant	Lifetime Monitoring (LTM)	Secure Erase	Temperature Sensor	Power Fail Protection & Recovery	Wear Leveling	TRIM	Low Power Consumption
<b>IHSS312</b>	●	●	●	●	●	●	●	●	●	●

● Supported



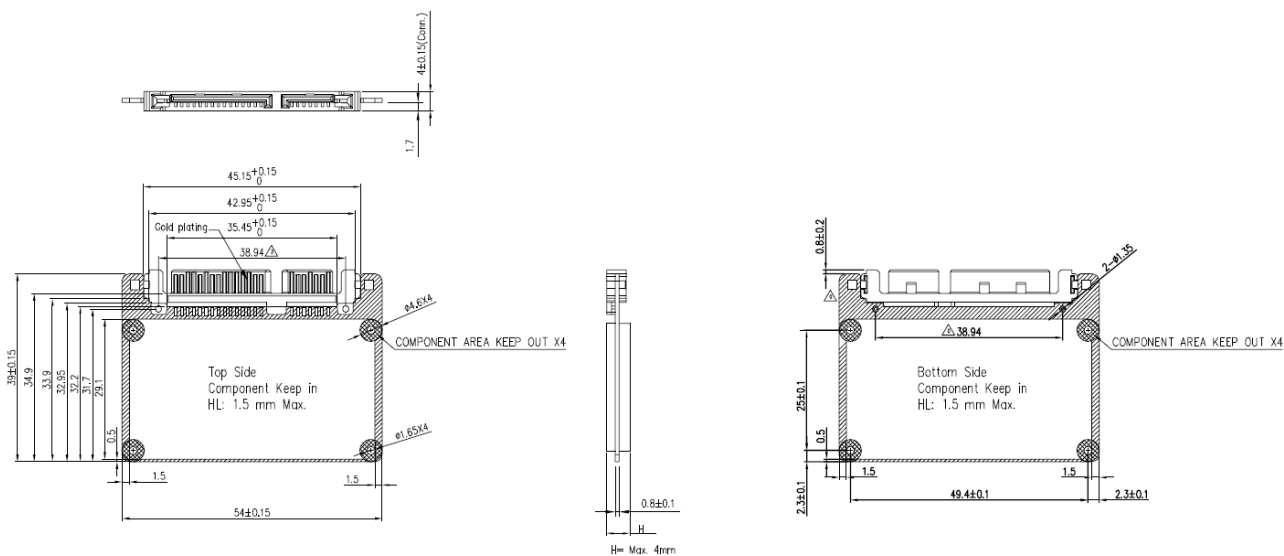
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## Specifications

Model	IHSS312
Interface	SATA 22PIN
Flash Type	MLC
Operating Voltage	5V
Capacity	8GB-256GB
Sequential Read (max. est.)	Up to 500MB/s
Sequential Write (max. est.)	Up to 125MB/s
Data Transfer Mode	SATA III 6.0Gbps
Operating Temperature	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
Operating Humidity	5%~95% RH non-condensing
Power Consumption (max. )	2W
MTBF (est.)	>1,000,000hours
Vibration Resistance	20G (80~2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	54 x 39 x 4mm
S.M.A.R.T.	Supported

## Dimensions



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## Ordering Information

Capacity	MLC 0°C to 70°C	MLC -40°C to 85°C
8GB	IHSS312-008GM	N/A
16GB	IHSS312-016GM	IHSS312-016GT
32GB	IHSS312-032GM	IHSS312-032GT
64GB	IHSS312-064GM	IHSS312-064GT
128GB	IHSS312-128GM	IHSS312-128GT
256GB	IHSS312-256GM	IHSS312-256GT