

# EverGreen SATA SLIM



## FEATURES

- L2 Architecture enhanced, least 10 times lifespan prolonged
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Built-in hardware BCH ECC
- Bad block management
- Excellent data transfer performance

R: 220MB  
W: 150MB

SATA II  
3Gb/s

ECC &  
Wear leveling

Thermal  
Sensor

JEDEC  
MO-297

## Specifications

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Connector Type            | Standard 7+15 Pin SATA Connector                      |
| Flash Type                | MLC (multi level cell)                                |
| Density                   | 32GB, 64B, 128GB, 256GB                               |
| Interface                 | SATA II, SATA I, PIO 0~4, MDMA 0~2, UDMA 0~6          |
| Sustained R/W Performance | Read : 220 MB/sec (max.)<br>Write : 100 MB/sec (max.) |

## Environmental

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| DC Input                 | +5V DC $\pm$ 5%                                              |
| Power consumption (Max.) | Read: 300mA<br>Write: 450 mA<br>Idle: 150mA                  |
| Operating Temperature    | 0°C~+70°C (Standard Grade)<br>-40°C~+85°C (Industrial Grade) |
| Storage Temperature      | -55°C~+95°C                                                  |
| Humidity                 | Relative Humidity: 10-95%, non-condensing                    |
| Flash Endurance          | 3,000 program/erase cycles                                   |
| MTBF                     | > 3,000,000 hours                                            |
| Certification            | CE, FCC, RoHS                                                |
| Warranty                 | 3 years                                                      |

## Mechanicals

|                       |                                |
|-----------------------|--------------------------------|
| Dimension (W x L x H) | 39.0mm x 54.0mm x 6.8mm        |
| Weight                | 14g $\pm$ 1g                   |
| Vibration             | 7 Hz to 2K Hz, , 3 axes        |
| Shock                 | Duration: 0.5ms, 1500G, 3 axes |

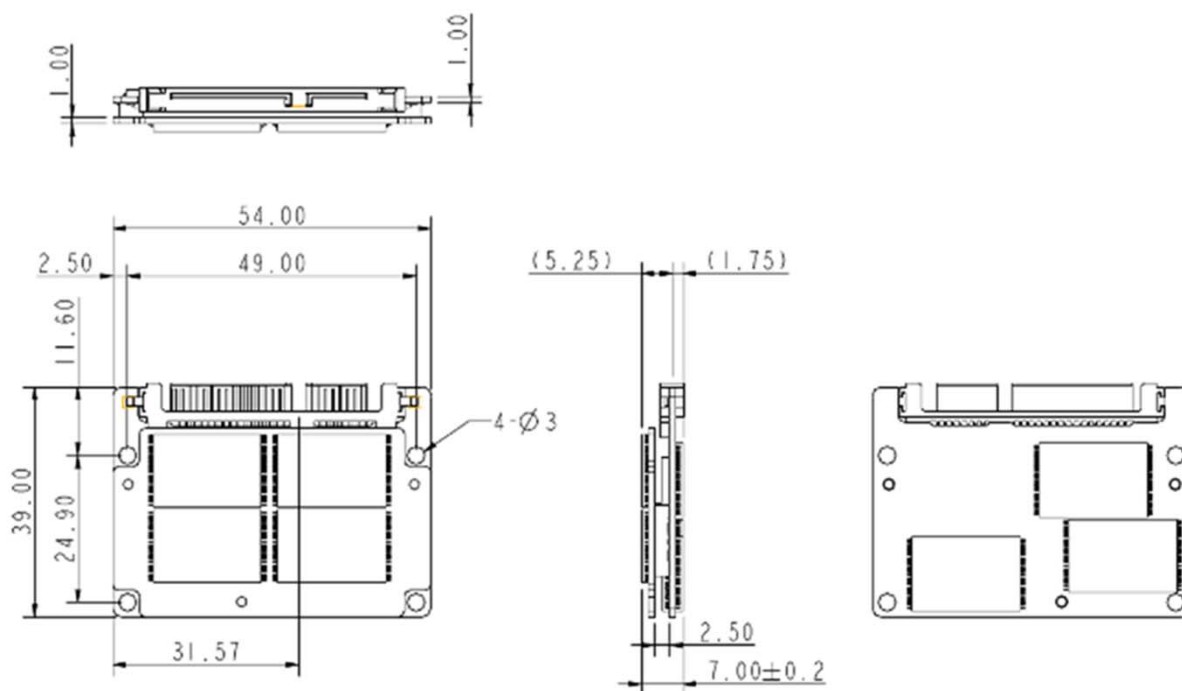
## Health monitoring Tool

|              |                                        |
|--------------|----------------------------------------|
| S.M.A.R.T.   | Supported                              |
| i-S.M.A.R.T. | Supported (Utility for Windows, Linux) |

## Ordering Information

| Capacity | Standard Grade                     | Industrial Grade                   |
|----------|------------------------------------|------------------------------------|
| 32GB     | D1SS- <u>32G</u> J20A <u>C</u> 1EN | D1SS- <u>32G</u> J20A <u>W</u> 1EN |
| 64GB     | D1SS- <u>64G</u> J20A <u>C</u> 1EN | D1SS- <u>64G</u> J20A <u>W</u> 1EN |
| 128GB    | D1SS- <u>A28</u> J20A <u>C</u> 1EN | D1SS- <u>A28</u> J20A <u>W</u> 1EN |
| 256GB    | D1SS- <u>B56</u> J20A <u>C</u> 1EN | D1SS- <u>B56</u> J20A <u>W</u> 1EN |

## Mechanical diagram



Tolerance  $\pm 0.1\text{mm}$

\*The pin assignment, component keep out area of InnoLite SATA Slim J200 is followed by JEDEC MO297 Specification.