

SATA Slim D150Q



Features

- JEDEC MO-297/ SFF-8156 standard
- 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:130MB/s
W:120MB/s

SATA II
3Gb/s

ECC &
Wear leveling

Thermal
sensor

S.M.A.R.T

MO-297
SFF-8156

Specifications

Connector Type	Standard 7+15 Pin SATA Connector
Flash Type	SLC (Single Level Cell)
Density	2GB, 4GB, 8GB, 16GB, 32GB, 64GB
Interface	SATA II, SATA I, PIO 0~4, MDMA 0~2, UDMA 0~6
Sustained R/W Performance	Read : 130MB/sec (max.) Write : 120 MB/sec (max.)

Environmental

DC Input	+5V DC $\pm$ 5%
Power consumption (Max.)	Read: 180mA Write: 200 mA Idle: 110 mA
Operating Temperature	0°C~+70°C (Standard Grade) -40°C~+85°C (Industrial Grade)
Storage Temperature	-55°C~+95°C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	100,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	5 years

Mechanicals

Dimension (W x L x H)	54mm x 39mm x 4mm
Weight	7g $\pm$ 1g
Vibration	7 Hz to 2K Hz, , 3 axes
Shock	Duration: 20G/0.5ms, , 3 axes

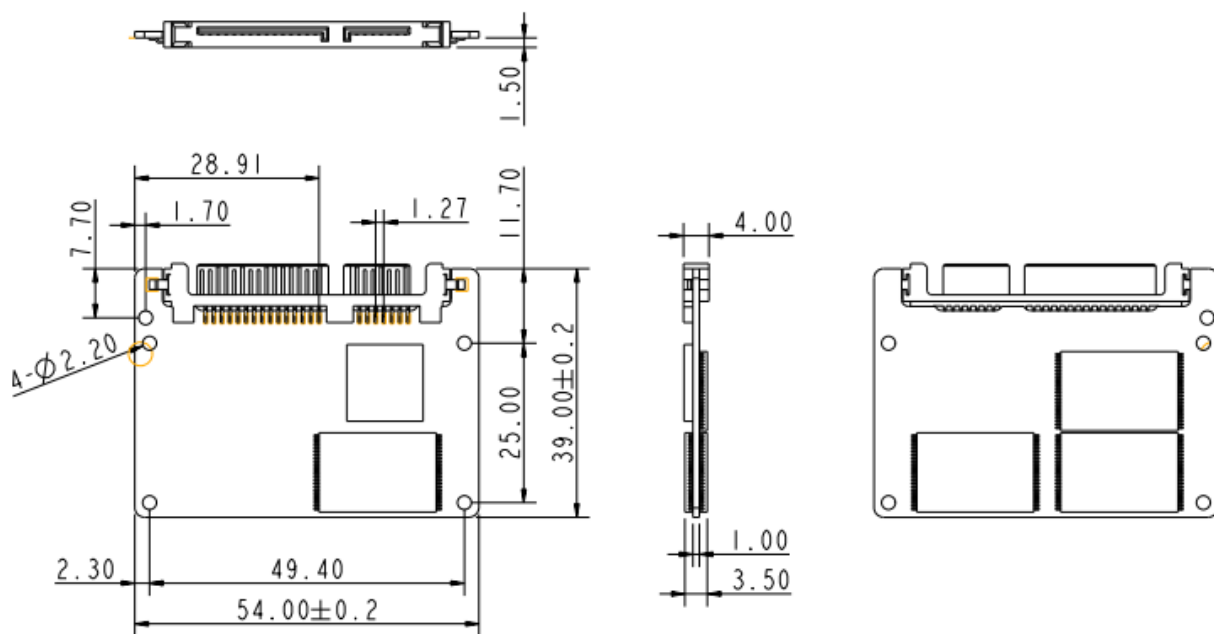
Health monitoring Tool

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

Ordering Information

Capacity	Standard Grade	Industry Grade
2GB	D1SS- <u>02G</u> J30A <u>C</u> 1DB	D1SS- <u>02G</u> J30A <u>W</u> 1DB
4GB	D1SS- <u>04G</u> J30A <u>C</u> 1QB	D1SS- <u>04G</u> J30A <u>W</u> 1QB
8GB	D1SS- <u>08G</u> J30A <u>C</u> 1QB	D1SS- <u>08G</u> J30A <u>W</u> 1QB
16GB	D1SS- <u>16G</u> J30A <u>C</u> 1QB	D1SS- <u>16G</u> J30A <u>W</u> 1QB
32GB	D1SS- <u>32G</u> J30A <u>C</u> 1QB	D1SS- <u>32G</u> J30A <u>W</u> 1QB
64GB	D1SS- <u>64G</u> J30A <u>C</u> 1QB	D1SS- <u>64G</u> J30A <u>W</u> 1QB

Mechanical diagram



SATA Slim D150Q mechanical dimensions
(* Tolerance is ± 0.2 mm)