

SATA DOM D150SV, SH



FEATURES

- Zero mechanical interference
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Intelligent system for error recovery
- Excellent data transfer speed
- Built-in Pin7 VCC
- Mechanical design for anti-vibration

R: 68MB W: 62MB	S.M.A.R.T	Wear Leveling
PIO 0~4 Support	MDMA UDMA	Power Pin 7 VCC

Specifications

Connector Type	Standard 7 Pin SATA Connector
Flash Type	SLC (Single Level Cell)
Density	2GB, 4GB, 8GB, 16GB, 32GB
Transfer Mode	SATA II, SATA I, PIO 0~4, MDMA 0~2, UDMA 0~6
Sustained R/W Performance	Read : 68 MB/sec (max.) Write:62 MB/sec (max.)

Environmental

DC Input	+5V DC \pm 5%
Power consumption (Max.)	Read: 230 mA Write: 330 mA Idle: 130 mA
Operating Temperature	0°C ~ +70°C (Standard Grade) -40 ~ +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	> 4,000,000 hours
Certification	CE, FCC, RoHS
Warranty	5 years

Special Features

Pin7 VCC	Supported (Refer to the following page)
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Mechanicals

Dimension (W x L x H)	SV-L: Mechanical dimension photo as flip page SH-L: Mechanical dimension photo as flip page
Weight	5.5g \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

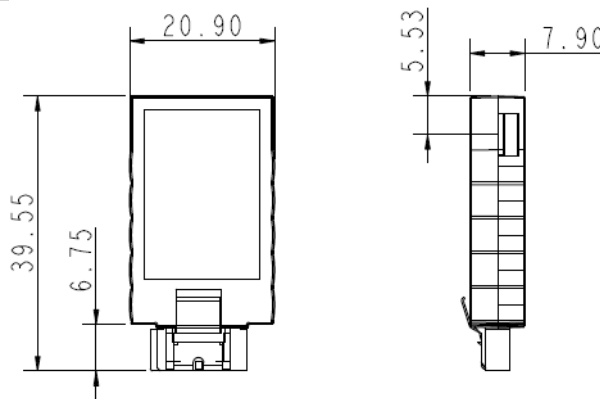
Capacity	Standard Grade	Industrial Grade
1GB	DES9(B)-01GJ30A <u>C</u> 1SS	DES9(B)-01GJ30A <u>W</u> 1SS
2GB	DES9(B)-02GJ30A <u>C</u> 1SS	DES9(B)-02GJ30A <u>W</u> 1SS
4GB	DES9(B)-04GJ30A <u>C</u> 1ST	DDE9(B)-04GJ30A <u>W</u> 1ST
8GB	DES9(B)-08GJ30A <u>C</u> 1ST	DES9(B)-08GJ30A <u>W</u> 1ST
16GB	DES9(B)-16GJ30A <u>C</u> 1ST	DES9(B)-16GJ30A <u>W</u> 1ST

D150SV: **DES9**, D150SH: **DES9B**
 Pin7 VCC: Add "F" in the last of part number
 ie: DES9(B)-16GJ30AC1DSF

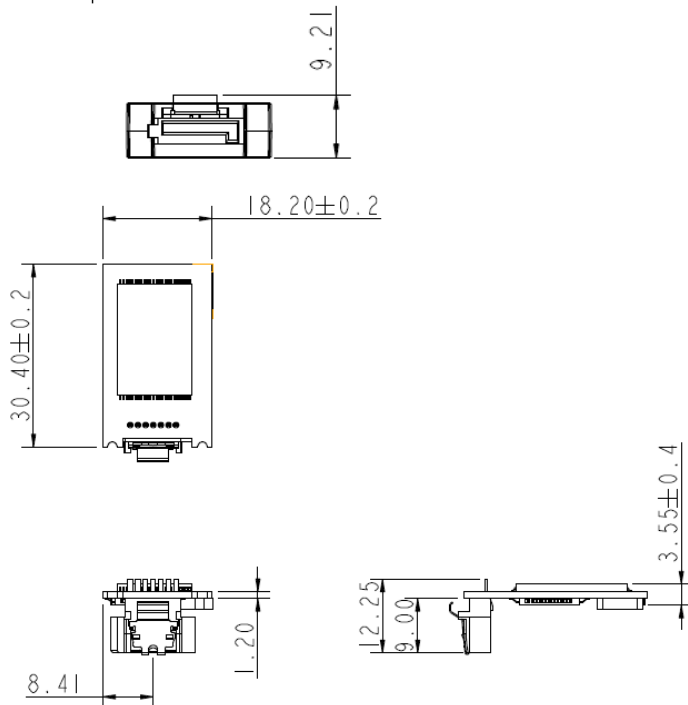
DESIGN • SERVICE • QUALITY • DELIVERY

Mechanical Dimension

D150SV

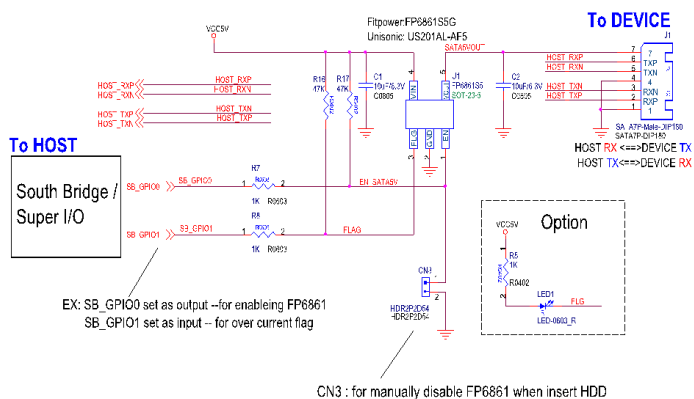


D150SH



SATADOM D150S mechanical dimensions
(* Tolerance is ±0.1mm)

Pin7VCC MB Reference Circuit Design



Pin7 VCC Advantages

1. Customers DO NOT have to use the power cable for the severe condition.
2. Pin7 VCC can cost down the manufactured charge.
3. Followed by our suggested circuit, you can increase the options for SATA device, no matter for InnoDisk SATADOM or other DOM

*SATADOM D150QH with Pin7 VCC is designed with a fuse (polyswitch500mA, 6V) on Pin7's circuit

Recommendation for Pin7 VCC

InnoDisk suggests that customers MUST design their board with a fuse to prevent over current. In other words, customers are suggested NOT "directly" layout 5V VCC to SATA socket on board. Therefore, we strongly suggest our below circuit to protect MB or device, either by using "POWER SWITCH" or "JUMPER+FUSE".