

1.8" ZIF Solid State Drive

General Description

The ZIF Flash Drive FHD8/16/32/64GC18Z series is a Zero Insertion Force interface solid state drive (SSD) that features a flash disk controller chip and NAND type flash memory devices. This 1.8 inch form factor SSD series is available in 8GB, 16GB, 32GB, and 64GB capacities. The drive uses a 3.3-volt power supply and supports PATA data transfer. This ZIF SSD Drive is geared specifically to media players, tablet PC's, laptops, and handheld electronic devices.

Features

- Capacity: 8GB to 64GB
- Form factor: 1.8 inch type (HDD compatible)
- ZIF interface: Zero Insertion Force command set compatible
- Power supply: Vcc=3.3V +/-5%
- Operating temperature: ☐ Commercial: 0C to +70C
- Performance:
 - ☐ Sequential Read Rate: ☐ 30MB/sec (max)
 - ☐ Sequential Write Rate: ☐ 30MB/sec (max)
 - ☐ Access Time: ☐ ☐ 0.1ms
- Shock: 1500G (operating)
- Vibration: 16G (operating)

Specifications

- Compatibility: Full ZIF hard disk compatible
- OS Support: All
- Package: Complete metal housing
- Reliability:
 - ☐ MTBF: >1,000,000 hours
 - ☐ Data reliability: Built-in EDC/ECC function
 - ☐ Patent pending Wear-leveling algorithms
- Endurance: ☐
 - ☐ Read: Unlimited
 - ☐ Write/Erase: >140 years @ 50GB write-erase /day

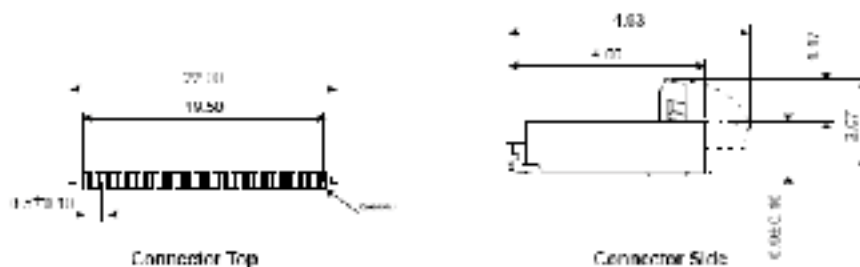


Designed and Manufactured in USA

Ordering Information

Capacity	Model No.
8GB	FHD8GC18Z
16GB	FHD16GC18Z
32GB	FHD32GC18Z
64GB	FHD64GC18Z

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Pin Assignment

Pin No	Signals	Pin No	Signals
1	Reserved	21	GROUND
2	Reserved	22	DMA/RQ
3	RESET	23	GROUND
4	GROUND	24	DIO#
5	DD7	25	DIO#
6	DD6	26	GROUND
7	DD6	27	IORDY
8	DD9	28	GROUND
9	DD5	29	DMACK
10	DD10	30	INTRQ
11	DD4	31	DA1
12	DD11	32	PDIAG
13	DD3	33	DA0
14	DD12	34	DA2
15	DD2	35	CS0
16	DD13	36	CS1
17	DD1	37	DA3*
18	DD14	38	3.3V
19	DD0	39	3.3V
20	DD15	40	Reserved

Revision History

Nov 21, 2007 □ Rev-A Preliminary Product Specification Released

March 21, 2008 Rev-B Revised Photo

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Mechanical Description

