

HERMES Series

1.8" PATA ZIF MLC SSD



Product features

- 1.8" SSD form-factor in 5 mm height
- Compatible with ATA/ATAPI-7
- MLC - NAND type flash technology
- Support true IDE mode
- Parallel ATA interface
- Performance up to 83 MB/sec
- ZIF connector
- Capacity from 8GB up to 64GB

Product specifications

Compatibility	ATA/ATAPI-7 and true IDE mode	Power consumption	
Flash technology	MLC-NAND type flash based	Power requirement	+3.3V ± 5%
Form-factor	1.8" SSD	Reading mode	490mA (Max.)
Host Interface	Parallel ATA / ZIF connector	Writing mode	590mA (Max.)
Performance		Idle mode	300mA (Max.)
Data transfer rate	PIO-4 and UDMA-6	Reliability	
Sequential read	83 MB/sec (Max.)	Wear-leveling	Supports enhanced static wear-leveling algorithms
Sequential write	68 MB/sec (Max.)	ECC	Support BCH ECC 8 bits in 512 bytes
Average access time	0.2ms	Physical specification	
Environmental specification		Weight (max.)	29.0g ± 2g / 1.03 oz.
Operating temp.	STD. 0°C ~ 70°C / IND. -40°C ~ +85°C	Dimension(W x L x H)	54.00 x 71.00 x 5.00 (mm)
Non-operating temp.	STD. -20°C ~ +80°C / IND. -55°C ~ +95°C	Conformal coating	Option for wide temperature
Humidity	10% ~ 95%	Warranty	1 year

Operating temperature supports Standard grade 0°C ~ 70°C and Industrial grade -40°C ~ +85°C

Part number list - 1.8" PATA ZIF MLC SSD

Product Picture	Capacity	0°C ~ 70°C	-40°C ~ +85°C
	8GB	SP8ZF008G-JACMC-U	WP8ZF008G-JACMC-U/C
	16GB	SP8ZF016G-JACMC-U	WP8ZF016G-JACMC-U/C
	32GB	SP8ZF032G-JACMC-U	WP8ZF032G-JACMC-U/C
	64GB	SP8ZF064G-JACMC-U	WP8ZF064G-JACMC-U/C

Remarks:

U: defaulted as UDMA mode / Fixed disk type

Industrial grade -40°C ~ +85°C with special conformal coating treatment on PCBA.

Part number decoder

X1	X2	X3	X4	X5	X6	X7	X8	X9	—	X11	X12	X13	X14	X15	—	Z1	/	C				
S	P	8	Z	F	0	0	8	G	—	J	A	C	M	C	—	U						

Example

X1 Grade

S : Standard grade operating temp. 0°C ~ 70°C
W : Industrial grade operating temp. -40°C ~ +85°C

X2 The material of frame kit

P : Plastic frame kit

X3 X4 X5 Product category

8ZF : 1.8" PATA ZIF SSD

X6 X7 X8 X9 Capacity

008G : 8GB

016G : 16GB

032G : 32GB

064G : 64GB

X11 Controller

J : JMicron (HERMES Series)

X12 Controller version

A, B, C,

X13 Controller grade

C : Commercial grade

X14 Flash IC

M : MLC-NAND flash IC

X15 Flash IC grade

C : Commercial grade

Z1 Data transfer rate

U : defaulted as UDMA mode / fixed disk type

C Reserved for specific requirement

C : Conformal-coating

MLC CF

MLC CompactFlash Card

MLC CFast

MLC CFast Card

MLC ATA

MLC PCMCIA ATA Card

MLC MIF

MLC micro IDE Flash Module

MLC MSE

MLC micro SATA Flash Module

MLC MUM

MLC micro USB Module

MLC SSD

MLC Solid State Disk

MLC USB

MLC Rugged Metal USB Flash Disk

MLC SD

MLC SD & SDHC Memory Card

AD

Industrial Adapter Card-Drive

MLC CF

MLC CompactFlash Card

MLC CFast

MLC CFast Card

MLC ATA

MLC PCMCIA ATA Card

MLC MIF

MLC micro IDE Flash Module

MLC MSE

MLC micro SATA Flash Module

MLC MUM

MLC micro USB Module

MLC SSD

MLC Solid State Disk

MLC USB

MLC Rugged Metal USB Flash Disk

MLC SD

MLC SD & SDHC Memory Card

AD

Industrial Adapter Card-Drive