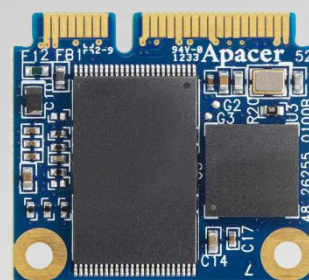


Apacer

The Most **Reliable**  
Storage For Industries



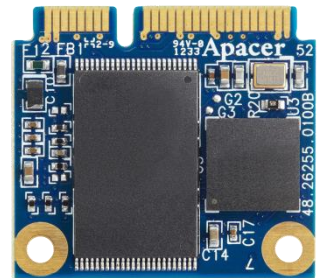
mSATA mini H1-M



## mSATA mini H1-M

### Overview

Continuing the market heat of its reliable industrial SSDs, Apacer Technology has recently launched a brand new ultra slim industrial SATA3.0 SSDs: the mSATA mini H1-M, compliant with the MO-300B standard. This model made by MLC flash extremely competitive for its ultra slim appearance, high speed, high stability, and wide temperature operation for industrial uses. To enhance data security, Apacer Technology has improved the ECC (error correcting code) capability to 72bit/1K bytes for mSATA mini H1-M to significantly upgrade data security and stability. To fulfill the industrial demand for longer durability and energy saving, Apacer mSATA mini H1-M support the DEVSLP (Device Sleep) protocol to ensure energy is effectively used in every minute even after entering low-power condition in standby mode.



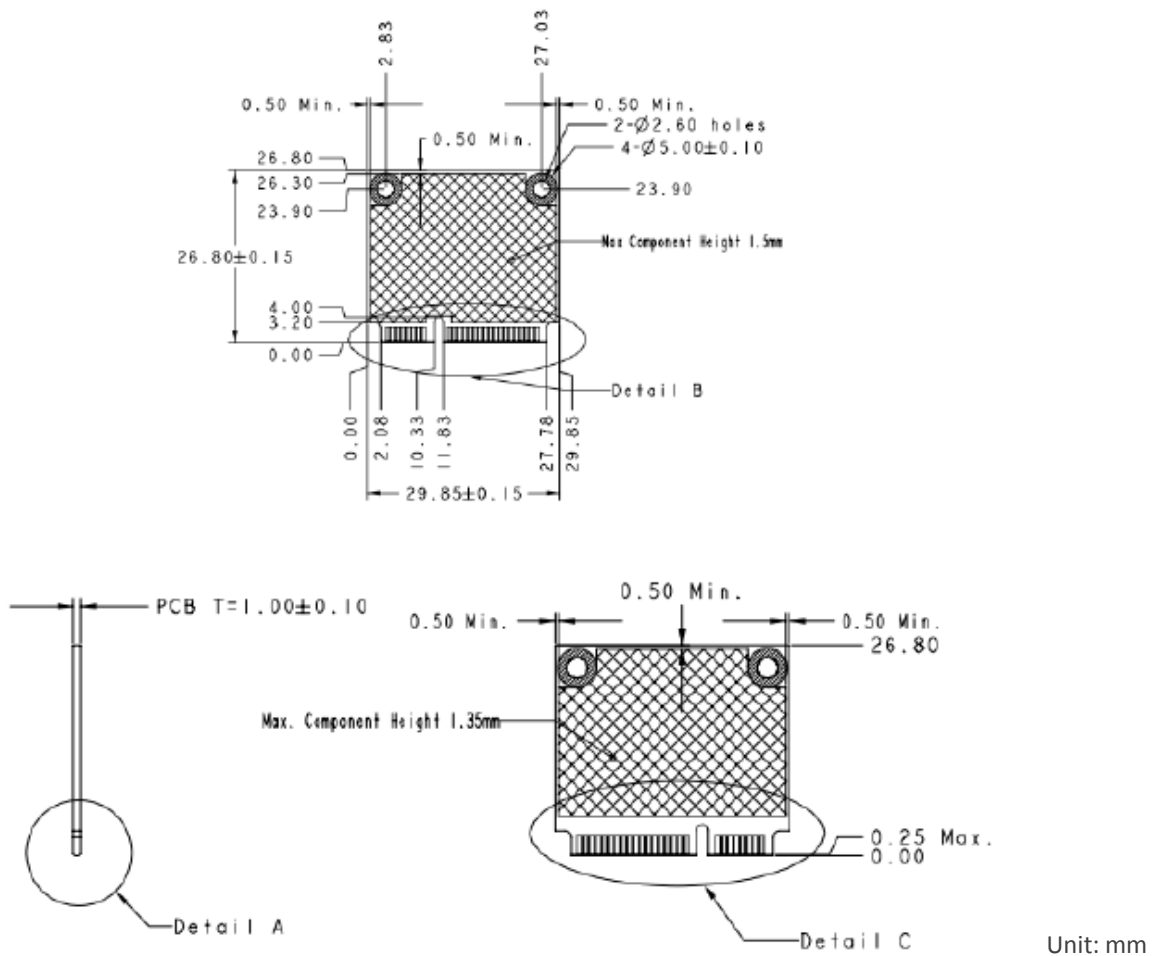
### Feature

- 52-pin mSATA-mini (MO-300B) form factor
- Compliant with JEDEC MO-300B standard
- Global wear-leveling and Block Management
- Built-in ATA Secure Erase and S.M.A.R.T. Functions
- TRIM command support
- DEVSLP Support (Optional)

## Specifications

<b>Model</b>	mSATA mini H1-M
<b>Interface</b>	SATA 3.0 (6Gb/s)
<b>Connector</b>	52-pin mSATA-mini
<b>Form Factor</b>	MO-300B
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	8GB~128GB
<b>External DRAM</b>	No
<b>Sustained Read Performance (MB/sec)</b>	Up to 520
<b>Sustained Write Performance (MB/sec)</b>	Up to 180
<b>ECC Engine</b>	Built-in 72-bit per 1K bytes BCH ECC
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40~ + 85
<b>Storage Temperature ( °C )</b>	-40~ + 85
<b>Shock</b>	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
<b>Vibration</b>	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 15 Grms, 10 ~ 2000 Hz/sine
<b>Operating Voltage</b>	3.3V ± 5%
<b>Power Consumption</b>	Active mode: 520 mA & Idle mode: 85 mA
<b>Dimension (L x W x H )</b>	26.8 x 29.85 x 3.85 mm
<b>MTBF (hours)</b>	>1,000,000

## Mechanical Specification



For more information, contact your Apacer representative

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