

Quick Installation Guide

Hitachi 3K8 Microdrive

Embedded Type PATA

Models:

HMS361008M5CE00

HMS361006M5CE00

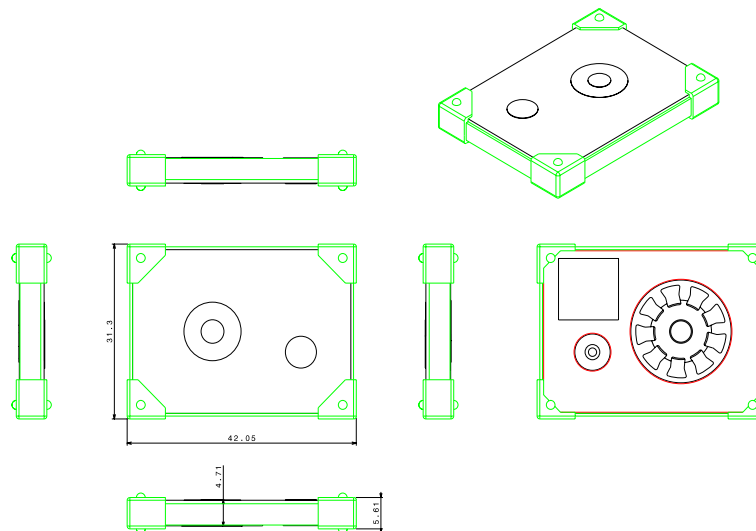
HMS361004M5CE00

Handling precautions

- Do not seal the breather hole! Sealing the breather hole may result in loss of data.
- Do not press on the drive! Do not apply any force to the drive during handling or installation.
- Always handle the drive with care to prevent damage from shock, vibration, or electrostatic discharge (ESD).
- Handle the drive carefully by the edges. Do not touch any exposed printed circuit board.
- Do not write on the label or remove it. Do not apply additional labels.
- Do not drop the drive.
- Do not expose the drive to wet conditions.
- Do not place the drive near a strong magnetic field.
- Do not expose the drive to extreme temperatures.

Mounting Recommendations

There are no screw holes or guide rails in the Microdrive 3K8 hard disk drive. Hitachi recommends you secure the drive by placing it in a frame with snubbers as shown in the diagram below. Hitachi GST will assist customers with mounting design.



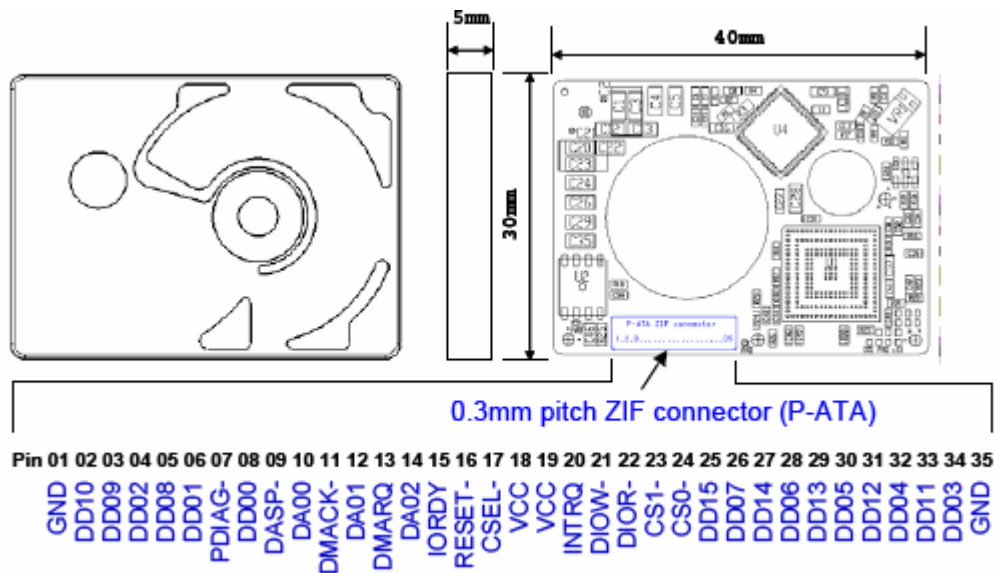
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The technical drawing shows a rectangular plate with the following specifications:

- Top View:** A rectangle with overall dimensions of 6 ± 0.3 by 6 ± 0.3 . It features a central circular hole with a diameter of $\varnothing 1.5$, four corner holes with diameters of $\varnothing 0.8$, and several smaller holes and slots.
- Bottom View:** Similar to the top view, showing the underside of the plate with corresponding features.
- Side Views:** Four side views (top, bottom, left, right) showing the thickness of the plate as 6 ± 0.3 .
- Dimensions:** All linear dimensions are given in millimeters with a tolerance of ± 0.3 .

After mounting there is no twist and bending force act the device.

- Connector is 35 pin ZIF (SMT horizontal mount, gold plate) Hirose FH26 - 35S - 0.3SHW(05) (http://www.hirose-connectors.com/products/FH26_1.htm)
- FPC 10.8 +/- 0.05mm width, 0.2+-0.03mm thickness
- Maximum Length is 75mm
- Single sided FPC is recommended
- Follow Connector vendor recommendations on FPC design.
- Connector Pinout



Electrical Information

- Power Supply to be 3.3V +5% - 15%, 70mV max ripple, 400mA capable
- Interface Signal Levels
 - Input High Voltage 2.0 min
 - Input Low Voltage 0.8 max
 - Output High Voltage 2.4 max
 - Output Low Voltage 0.5 min

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