



Reliability Laboratory

TEST REPORT



Report No.: HCN0101A/2014
Page: 1 of 4
Date: November 18, 2014

SILVERSTONE TECHNOLOGY CO., LTD.
12F., NO.168, JIANKANG RD., ZHONGHE DIST.,
NEW TAIPEI CITY, TAIWAN.

The following merchandise was submitted and identified by the vendor as:

Product Description: PC Chassis
Style/ Item No.: MM01/ No.1
Manufacturer/ Vendor: SilverStone Technology Co., Ltd.
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: Nov. 17, 2014

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required:

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.2: 2013)

IP Code	IP4X
First characteristic numeral	Degrees of protection against access to hazardous parts and against solid foreign objects
Second characteristic numeral	Omitting

Test Results:

Conclusion
Submittals sample(s) comply with requirement and acceptance conditions of IEC 60529 Edition 2.2: 2013 Degrees of Protection Provided by Enclosures -- IP4X The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of
SGS TAIWAN Ltd.

Hank Chiou
Asst. Supervisor

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Test for Degrees of Protection Provided by Enclosures:

Test Equipment:

Name	Brand	Model	Serial No.
1.0 mm Test Wire Probe	ED&D	TRP-02	B0050180
Digital Force Gauge	ALGOL	HF-50	HF-106764

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3)^{\circ}\text{C}$

Ambient humidity: $(55 \pm 20) \% \text{RH}$

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013--IP4X

1. Test for protection against access to hazardous parts:

Test method: The test wire with 1.0 mm in diameter and 100 mm long is pushed against or inserted through any openings of the enclosure with designated force. Examine whether the test wire touches the hazardous live parts inside the enclosure or not.

Test force: 1 N \pm 10 %

2. Test for protection against solid foreign objects:

Test method: The rigid steel wire with 1.0 mm in diameter, 100 mm long and edges free from burrs is pushed against any openings of the enclosure with designated force. Examine whether the full diameter of the rigid steel wire passes through any opening or not.

Test force: 1 N \pm 10 %

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TEST REPORT

Specimen:

Style/ Item No.: MM01/ No.1

Quantity: Total 1 piece

Test Result:

A. Degrees of protection against access to hazardous parts and against solid foreign objects (IP4X)

A-1 Test for protection against access to hazardous parts (IP4X)

Test Result		Style/ Item No.
Check Item		MM01/ No.1
1	Does the test wire penetrate any openings of the enclosure?	No
2	(followed check item 1) If the test wire penetrates any openings of the enclosure, does the test wire touch any hazardous live parts or any hazardous mechanical parts?	N/A
3	(followed check item 2) Does adequate clearance be kept between the test wire and hazardous live parts or hazardous mechanical parts?	N/A

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.

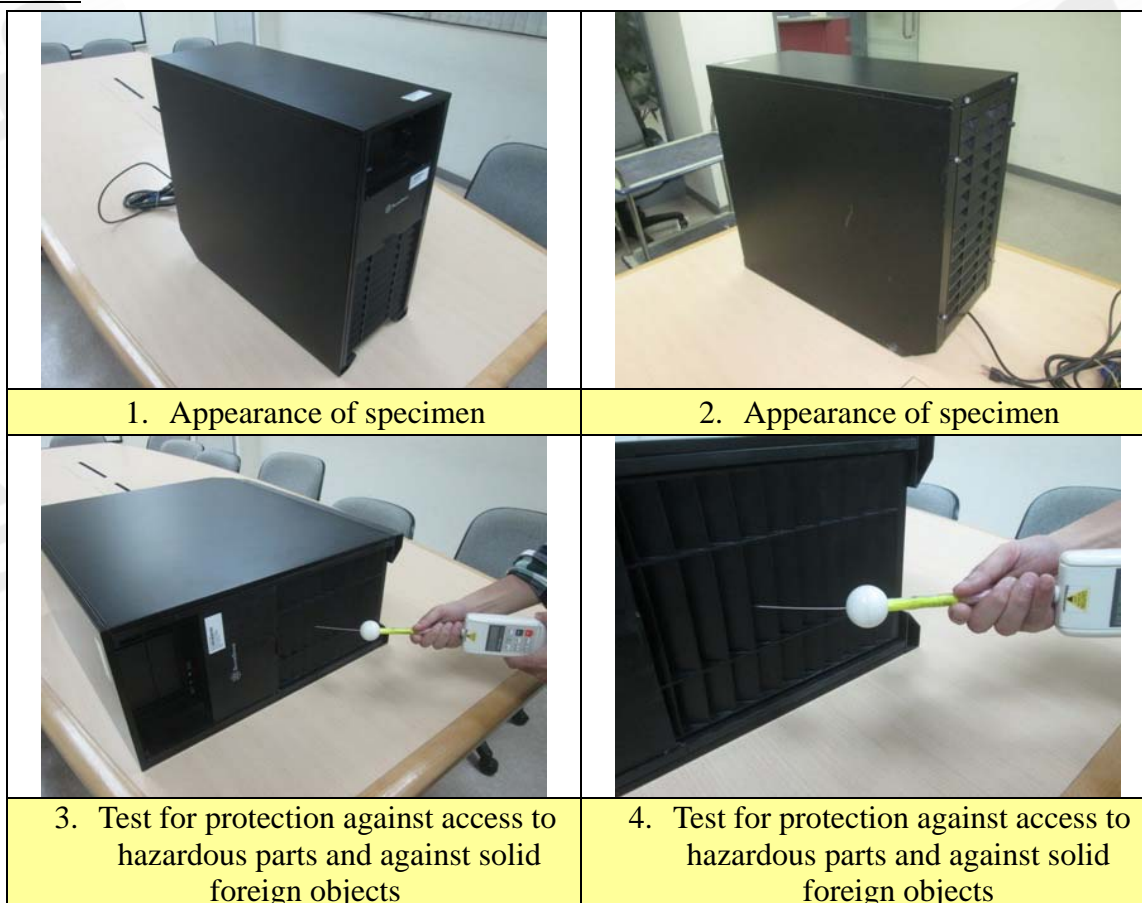
A-2 Test for protection against solid foreign objects (IP4X)

Test Result		Style/Item No.
Check Item		MM01/ No.1
1	Does the full diameter of the rigid steel wire pass through any openings of the enclosure?	No

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.

Test Photos:



— — — The End of Test Report — — —

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