

Report No.: HCN0233/2005
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Date: December 7, 2005

i-Tech Company LLC
30081 Ahern Ave
Union City CA 94587

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

Product Description: Rack Mount Keyboard Monitor KVM drawer (16 Port)
Style/ Item No.: BHK1015-16e and BHK1017-16e/ No.1
Quantity: Total 1 piece

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

Test Required: (According to client's test specification, please see following sheets in detail.)

1. Vibration test
2. Mechanical Shock test
3. Drop test

Test Results: - PLEASE SEE ATTACHED SHEETS -



Cedric Chen
Asst. Supervisor

1. Vibration test:Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560B AC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B04	89582

Lab Environmental Conditions:Ambient temperature: 25±3°CRelative humidity: 55±20%RHTest Method/ Specification:Sample Condition: PackagedWave form: SinusoidalFrequency: 5~500 Hz

Frequency (Hz)	Displacement: D _{p-p} (mm)	Velocity (m/s)	Acceleration (G)
5~14.09	5	—	—
14.09~500	—	—	2.0

Sweep rate: 1 octave/minuteDirection: X, Y, Z axes(as shown in photo 7~ 12)Duration: 1 hour/ axis

- Examine the appearance of both the product(s) and the packaging construction by visual check after this test.

Specimen:

Style/ Item No.: BHK1015-16e and BHK1017-16e/ No.1

Quantity: total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance check (visual check)	
	Product(s)	Packaging Construction
BHK1015-16e and BHK1017-16e/ No.1	No visible damage	No visible damage

2. Mechanical Shock test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B04	89582

Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

Test Method/ Specification:

Sample Condition: Operating

Pulse shape: Half-sine

Acceleration: 10 G

Pulse duration: 11 ms

Shock direction: 6 faces ($\pm X$, $\pm Y$, $\pm Z$ axes, see photo 13 ~ 24)

No. of shock: 3 shocks/ axis (total 18 shocks)

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power and PC via D-sub port. Examine whether the display function of LCD monitor, keyboard and mouse function of specimen could be work normally or not.

Specimen:

Style/ Item No.: BHK1015-16e and BHK1017-16e/ No.1

Quantity: total 1 piece

Test Result:

Check Item Style/Item No.	Appearance check (Visual check)	Functional check
BHK1015-16e and BHK1017-16e/ No.1	No visible damage	Normal

3. Drop test:

Test Equipment:

Name	Brand	Model	Serial No.
Drop tester	King Design	KD-128A	RU103079189

Lab Environmental Conditions:

Ambient Temperature : 25±3°CRelative humidity : 55±20%RH

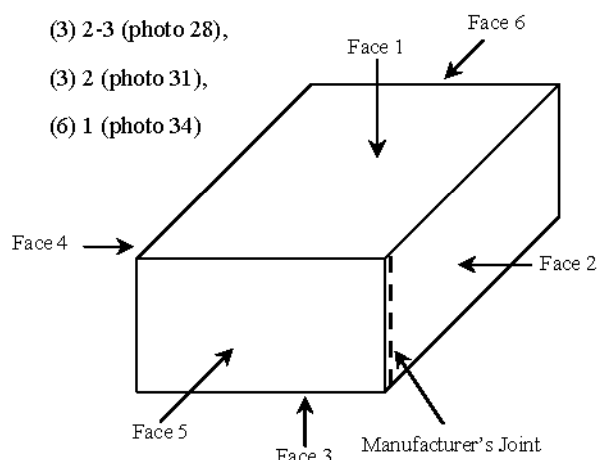
Test Method/ Specification:

Sample condition: PackagedContainer size: L: 78.0 cm W: 61.0 cm H: 25.0 cmWeight: 24.48 kgwDrop height: 46 cmDrop sequence: 1 corner, 3 edges and 6 faces (as shown in photo 25~ 34)Test surface: Steel plate of 1 cm thickness

- Examine the appearance of both the product(s) and the packaging construction by visual check after this test.

1 corner: (1) 2-3-5 (photo 25)

3 edges: (1) 2-5 (photo 26), (2) 3-5 (photo 27)

6 faces: (1) 5 (photo 29), (2) 6 (photo 30),
(4) 4 (photo 32), (5) 3 (photo 33),(3) 2-3 (photo 28),
(3) 2 (photo 31),
(6) 1 (photo 34)

Specimen:

Style/ Item No.: BHK1015-16e and BHK1017-16e/ No.1

Quantity: total 1 piece







Test Result:

Check Item Style/ Item No.	Appearance check (visual check)	
	Product(s)	Packaging Construction
BHK1015-16e and BHK1017-16e/ No.1	No visible damage	1. The carton near corner 2-3-5 deformed and shrunk after Drop test.(See photo 35) 2. The carton near edge 2-5 deformed and shrunk after Drop test.(See photo 36)

Test Photos:

	
1. Appearance of Specimen (Packaged)	2. Package style
	
3. Package style	4. Package style
	
5. Appearance of specimen-- (DMK 590)	6. Appearance of specimen-- (DMK 590)

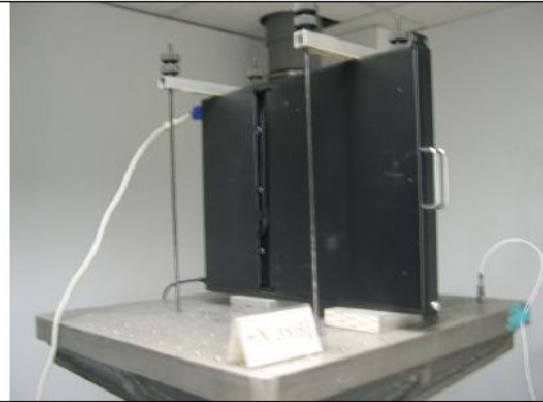
Test Photos--Continued:

	
7. Vibration test--X axis	8. Vibration test--X axis
	
9. Vibration test--Y axis	10. Vibration test--Y axis
	
11. Vibration test--Z axis	12. Vibration test--Z axis

Test Photos--Continued:



13. Mechanical Shock test: +X axis



14. Mechanical Shock test: +X axis



15. Mechanical Shock test: -X axis



16. Mechanical Shock test: -X axis









17. Mechanical Shock test: +Y axis









18. Mechanical Shock test: +Y axis







Test Photos--Continued:

	
<p>19. Mechanical Shock test: -Y axis</p>	<p>20. Mechanical Shock test: -Y axis</p>
	
<p>21. Mechanical Shock test: +Z axis</p>	<p>22. Mechanical Shock test: +Z axis</p>
	
<p>23. Mechanical Shock test: -Z axis</p>	<p>24. Mechanical Shock test: -Z axis</p>

Test Photos--Continued:

	
<p>25. Drop test: corner 2-3-5</p>	<p>26. Drop test: edge 2-5</p>
	
<p>27. Drop test: edge 3-5</p>	<p>28. Drop test: edge 2-3</p>
	
<p>29. Drop test: face 5</p>	<p>30. Drop test: face 6</p>

Test Photos--Continued:

	
<p>31. Drop test: face 2</p>	<p>32. Drop test: face 4</p>
	
<p>33. Drop test: face 3</p>	<p>34. Drop test: face 1</p>
	
<p>35. The carton near corner 2-3-5 deformed and shrunk after Drop test.</p>	<p>36. The carton near edge 2-5 deformed and shrunk after Drop test.</p>

Test Photos--Continued:

	
<p>37. Functional check</p>	<p>38. Functional check</p>
<p>Blank</p>	<p>Blank</p>
<p>Blank</p>	<p>Blank</p>