



# TEST REPORT

Test Report No.: 202016040682

**Name of the sample:** PRINTED CIRCUIT BOARDS

**Model/Type:** PHIE200789=HDC20076506 1356

**Applicant:** HUADING GROUP CO., LTD

**Test Category:** Third-party testing

**Jiangsu Electronic Information Product Quality Supervision & Inspection Institute**

**(Jiangsu Information Security Evaluation Center)**

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LAB Address: No.100 Jinshui Road, WuXi, Jiangsu, P.R.China

Telephone: +86 0510 85105775 Fax : +86 0510 85104572

Post Code: 214073

E-mail: zsb@jnlab.com

Website: <http://www.jnlab.com>



# TEST REPORT

## General information:

<b>Applicant</b> ..... :	HUADING GROUP CO., LTD
<b>Address</b> ..... :	UNIT D, WORLD TRADE CENTRE, NO.122 SHUGUANG ROAD,HANGZHOU,ZHEJIANG,THE PEOPLE'S REPUBLIC OF CHINA
<b>Manufacturer</b> ..... :	/
<b>Address</b> ..... :	/
<b>Factory</b> ..... :	/
<b>Address</b> ..... :	/
<b>Name of the sample</b> ..... :	PRINTED CIRCUIT BOARDS
<b>Trade Mark</b> ..... :	/
<b>Model/Type</b> ..... :	PHIE200789=HDC20076506 1356
<b>Sample Quantity</b> ..... :	1pc
<b>Production Date / Lot No</b> ..... :	/
<b>Date of receipt</b> ..... :	2020.8.14

## Sample acquisition mode:

Client delivering sample

Sampling

Sampling Location..... :

Sampling Base..... :

**Date of test**..... : 2020.8.17 ~ 2020.8.19

**Test Result**..... : PASS

**Tested by**..... : *Li Juanjuan*

**Checked by**..... : *Feng Jiajun*

**Approved by(Name+ Signature):**

Qin Feng

*Qin Feng*

**Date of issue**..... : 2020-09-01



Note

**General sample information:**

Composition and state of sample.....: PRINTED CIRCUIT BOARDS

Sample Photograph(s).....: /

Main function description.....: /

Additional Information.....: /

**Test Standard:**

1、IEC 60112: 2009 《Method for the determination of the proof and the comparative tracking indices of solid insulating materials》

**Test Instructions:**

1. Received 1 pcs sample for testing, actual the test samples 1# to 10# were made by cutting the whole sample sent to us. Please find corresponding test group and sample number in the test result.
2. The surface of the sample is smooth without scratches, stains and impurities. According to the manufacturer's requirements, the test samples were not cleaned and processed in this test.
3. Thickness of each sample: >3.0mm (made by superimposing two pieces).

Testing location/ address .....: /

Additional Information.....: /

**Possible test case verdicts:**

- test case does not apply to the test object.....: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement....: F (Fail)



**STATEMENT:**

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2. This test report is invalid if altered or without signatures from compilation and audit or not signed by the authorized signature.
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5. The agency does not bear legal liability to the data provided by the applicant.
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7. For the report without CMA logo, the data and results provided by the report are only for the applicant to understand the quality of the sample.



### Summary of test results

Test Group	No.	Test Item	Technical Requirements	Sample Quantity	Unqualified number	Verdict
/	1	Determination of comparative tracking index (CTI)	IEC 60112: 2009	10	0	Pass
Note	/					

## Test Result

No.	Test Item	Acceptance Criterion	Sample No.	Result	Verdict
1	CTI	Determination of the comparative tracking index requires the determination of the maximum voltage at which five specimens withstand the test period for 50 drops without failure and whether, at a voltage of 25V lower than the maximum 50 drop figure, the specimen withstands 100 drops. If this is not the case, the maximum 100 drop withstand voltage has to be determined.	1#-10#	The test used solution A. Five specimens passed the test by using 50 drops of the test solution while 600V was applied . Another five specimens passed the test by using 100 drops of the test solution while 575V was applied. (CTI 600V)	PASS

— End —



# TEST REPORT

Test Report No.: 202016040683

**Name of the sample:** PRINTED CIRCUIT BOARDS

**Model/Type:** PHIE200784=HDC20076502 1055

**Applicant:** HUADING GROUP CO., LTD

**Test Category:** Third-party testing

**Jiangsu Electronic Information Product Quality Supervision & Inspection Institute**

**(Jiangsu Information Security Evaluation Center)**

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<b>Address</b> ..... :	UNIT D, WORLD TRADE CENTRE, NO.122 SHUGUANG ROAD,HANGZHOU,ZHEJIANG,THE PEOPLE'S REPUBLIC OF CHINA
<b>Manufacturer</b> ..... :	/
<b>Address</b> ..... :	/
<b>Factory</b> ..... :	/
<b>Address</b> ..... :	/
<b>Name of the sample</b> ..... :	PRINTED CIRCUIT BOARDS
<b>Trade Mark</b> ..... :	/
<b>Model/Type</b> ..... :	PHIE200784=HDC20076502 1055
<b>Sample Quantity</b> ..... :	1pc
<b>Production Date / Lot No</b> ..... :	/
<b>Date of receipt</b> ..... :	2020.8.14

## Sample acquisition mode:

- Client delivering sample  
 Sampling  
 Sampling Location..... :  
 Sampling Base..... :

**Date of test**..... : 2020.8.17 ~ 2020.8.19

**Test Result**..... : PASS

**Tested by**..... : *Li Juanjuan*

**Checked by**..... : *Feng Jiajun*

**Approved by(Name+ Signature):**

Qin Feng

*Qin Feng*

**Date of issue**..... : 2020-09-01



Note

**General sample information:**

Composition and state of sample.....: PRINTED CIRCUIT BOARDS

Sample Photograph(s).....: /

Main function description.....: /

Additional Information.....: /

**Test Standard:**

1、IEC 60112: 2009 《Method for the determination of the proof and the comparative tracking indices of solid insulating materials》

**Test Instructions:**

1. Received 1 pcs sample for testing, actual the test samples 1# to 10# were made by cutting the whole sample sent to us. Please find corresponding test group and sample number in the test result.
2. The surface of the sample is smooth without scratches, stains and impurities. According to the manufacturer's requirements, the test samples were not cleaned and processed in this test.
3. Thickness of each sample: >3.0mm (made by superimposing two pieces).

Testing location/ address .....: /

Additional Information.....: /

**Possible test case verdicts:**

- test case does not apply to the test object.....: N/A
- test object does meet the requirement.....: P (Pass)
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### Summary of test results

Test Group	No.	Test Item	Technical Requirements	Sample Quantity	Unqualified number	Verdict
/	1	Determination of comparative tracking index (CTI)	IEC 60112: 2009	10	0	Pass
Note	/					

## Test Result

No.	Test Item	Acceptance Criterion	Sample No.	Result	Verdict
1	CTI	Determination of the comparative tracking index requires the determination of the maximum voltage at which five specimens withstand the test period for 50 drops without failure and whether, at a voltage of 25V lower than the maximum 50 drop figure, the specimen withstands 100 drops. If this is not the case, the maximum 100 drop withstand voltage has to be determined.	1#-10#	The test used solution A. Five specimens passed the test by using 50 drops of the test solution while 600V was applied . Another five specimens passed the test by using 100 drops of the test solution while 575V was applied. (CTI 600V)	PASS

— End —



# TEST REPORT

Test Report No.: 202016040684

**Name of the sample:** PRINTED CIRCUIT BOARDS

**Model/Type:** PHIE200687=HDC20066506 1153

**Applicant:** HUADING GROUP CO., LTD

**Test Category:** Third-party testing

**Jiangsu Electronic Information Product Quality Supervision & Inspection Institute**

**(Jiangsu Information Security Evaluation Center)**

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<b>Manufacturer</b> ..... :	/
<b>Address</b> ..... :	/
<b>Factory</b> ..... :	/
<b>Address</b> ..... :	/
<b>Name of the sample</b> ..... :	PRINTED CIRCUIT BOARDS
<b>Trade Mark</b> ..... :	/
<b>Model/Type</b> ..... :	PHIE200687=HDC20066506 1153
<b>Sample Quantity</b> ..... :	1pc
<b>Production Date / Lot No</b> ..... :	/
<b>Date of receipt</b> ..... :	2020.8.14

## Sample acquisition mode:

Client delivering sample

Sampling

Sampling Location..... :

Sampling Base ..... :

**Date of test**..... : 2020.8.17 ~ 2020.8.19

**Test Result**..... : PASS

**Tested by**..... : *Li Juanjuan*

**Checked by**..... : *Feng Jiajun*

**Approved by(Name+ Signature):**

Qin Feng

*Qin Feng*

**Date of issue**..... : 2020-09-01



Note

**General sample information:**

Composition and state of sample.....: PRINTED CIRCUIT BOARDS

Sample Photograph(s).....: /

Main function description.....: /

Additional Information.....: /

**Test Standard:**

1、IEC 60112: 2009 《Method for the determination of the proof and the comparative tracking indices of solid insulating materials》

**Test Instructions:**

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3. Thickness of each sample: >3.0mm (made by superimposing two pieces).

Testing location/ address .....: /

Additional Information.....: /

**Possible test case verdicts:**

- test case does not apply to the test object.....: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement....: F (Fail)



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### Summary of test results

Test Group	No.	Test Item	Technical Requirements	Sample Quantity	Unqualified number	Verdict
/	1	Determination of comparative tracking index (CTI)	IEC 60112: 2009	10	0	Pass
Note	/					

## Test Result

No.	Test Item	Acceptance Criterion	Sample No.	Result	Verdict
1	CTI	Determination of the comparative tracking index requires the determination of the maximum voltage at which five specimens withstand the test period for 50 drops without failure and whether, at a voltage of 25V lower than the maximum 50 drop figure, the specimen withstands 100 drops. If this is not the case, the maximum 100 drop withstand voltage has to be determined.	1#-10#	The test used solution A. Five specimens passed the test by using 50 drops of the test solution while 600V was applied . Another five specimens passed the test by using 100 drops of the test solution while 575V was applied. (CTI 600V)	PASS

— End —



# TEST REPORT

Test Report No.: 202016040685

**Name of the sample:** PRINTED CIRCUIT BOARDS

**Model/Type:** PHIE200682=HDC20066501 1291

**Applicant:** HUADING GROUP CO., LTD

**Test Category:** Third-party testing

**Jiangsu Electronic Information Product Quality Supervision & Inspection Institute**

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<b>Manufacturer</b> ..... :	/
<b>Address</b> ..... :	/
<b>Factory</b> ..... :	/
<b>Address</b> ..... :	/
<b>Name of the sample</b> ..... :	PRINTED CIRCUIT BOARDS
<b>Trade Mark</b> ..... :	/
<b>Model/Type</b> ..... :	PHIE200682=HDC20066501 1291
<b>Sample Quantity</b> ..... :	1pc
<b>Production Date / Lot No</b> ..... :	/
<b>Date of receipt</b> ..... :	2020.8.14

## Sample acquisition mode:

- Client delivering sample**  
 **Sampling**  
 Sampling Location..... :  
 Sampling Base..... :

**Date of test**..... : 2020.8.17 ~ 2020.8.19

**Test Result**..... : PASS

**Tested by**..... : *Li Juanjuan*

**Checked by**..... : *Feng Jiejun*

**Approved by(Name+ Signature):**  
 Qin Feng

*Qin Feng*

**Date of issue**..... : 2020-09-01



Note

**General sample information:**

Composition and state of sample.....: PRINTED CIRCUIT BOARDS

Sample Photograph(s).....: /

Main function description.....: /

Additional Information.....: /

**Test Standard:**

1、IEC 60112: 2009 《Method for the determination of the proof and the comparative tracking indices of solid insulating materials》

**Test Instructions:**

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3. Thickness of each sample: >3.0mm (made by superimposing two pieces).

Testing location/ address .....: /

Additional Information.....: /

**Possible test case verdicts:**

- test case does not apply to the test object.....: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement....: F (Fail)



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### Summary of test results

Test Group	No.	Test Item	Technical Requirements	Sample Quantity	Unqualified number	Verdict
/	1	Determination of comparative tracking index (CTI)	IEC 60112: 2009	10	0	Pass
Note	/					

## Test Result

No.	Test Item	Acceptance Criterion	Sample No.	Result	Verdict
1	CTI	Determination of the comparative tracking index requires the determination of the maximum voltage at which five specimens withstand the test period for 50 drops without failure and whether, at a voltage of 25V lower than the maximum 50 drop figure, the specimen withstands 100 drops. If this is not the case, the maximum 100 drop withstand voltage has to be determined.	1#-10#	The test used solution A. Five specimens passed the test by using 50 drops of the test solution while 600V was applied . Another five specimens passed the test by using 100 drops of the test solution while 575V was applied. (CTI 600V)	PASS

— End —