Company Name
SHENZHEN JDB TECH. CO. LTD.

Address
ROOM 1105-1108, NO.2 BUILDING, EST MALL BUSINESS CENTER,
NO.698 CHANGBANG ROAD, XIACHENG DISTRICT, 310004,
HANGZHOU, CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client
Sample Name
2layers PCB

Material
pcb

Sample Received Date
Jul. 24, 2023

Testing Period
Jul. 24, 2023-Aug.2, 2023

Test Requested
<table>
<thead>
<tr>
<th>No.</th>
<th>Test Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Porosity</td>
</tr>
</tbody>
</table>

Test Result(s): Please see the following pages.

Approved by
Annie Lang

Date
Aug. 18, 2023

No. RDAAD41CF3

Centre Testing International Group Co., Ltd.
Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China
# Test Report

Report No.  A223036704410100111  
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## Tested Sample(s)

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Name</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2230367044101001</td>
<td>2layers PCB</td>
<td>pcb</td>
</tr>
</tbody>
</table>

## Sample Photo(s)

![Sample Photo](image_url)
Test Report

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Test Item: Porosity

1. Test Equipment

<table>
<thead>
<tr>
<th>Equipment Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital-tool Microscope</td>
<td>VHX-5000</td>
</tr>
</tbody>
</table>

2. Environmental Conditions

Temperature: 23.3°C; Humidity: 53%RH

3. Test Standard: IPC-TM-650 2.3.24.2A

4. Test Conditions

1. Add fresh HNO3 (70±1%) to the bottom of the clean and dry test chamber, and immediately close the cover. After 30 min, cleaning the samples into containers. The exposure time to nitric acid vapor shall be 60 min.

2. Dipping samples in 10% NaOH at room temperature for 25~30 seconds and water rinse.

3. Dipping samples in the solution of polysulfide reagent for 25~30 seconds and water rinse.

4. After drying measure the size of corrosion products.

5. Test Result(s)

<table>
<thead>
<tr>
<th>Test sample</th>
<th>Corrosion product diameter (unit: mm)</th>
<th>Amount of corrosion product (black) (unit: pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2230367044101001</td>
<td>D≤0.05</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>A18040010 0.05&lt; D&lt;0.51</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>A18040010 0.51≤ D</td>
<td>0</td>
</tr>
</tbody>
</table>
Test photos:

Test position

Photo(s) of sample A2230367044101001 before test(50X)

Photo(s) of sample A2230367044101001 after test(50X)

Remark: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

Statement:
1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. Company Name and Address shown on Report, the sample(s) and sample Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can’t be reproduced except in full;
5. In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.

*** End of Report ***