Test Report

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>Micro cross section inspection(OM)</td>
</tr>
</tbody>
</table>

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

Approved by: Annie Lang
Approved Signatory: 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

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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: Micro cross section inspection (OM)

1. Test Equipment

<table>
<thead>
<tr>
<th>Equipment Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metallographic Microscope</td>
<td>Axio Imager.A2m</td>
</tr>
</tbody>
</table>

2. Environmental Conditions

Temperature: 23.5℃; Humidity: 51%RH

3. Test Standard: IPC-TM-650 2.1.1F, According to the customer's requirements

4. Test Conditions

According to the standard method for processing sample(s), after grinding, polishing and corrosion, put sample(s) on sample-stand of metallographic microscope to observe structure and measurement.

5. Test Result(s)

<table>
<thead>
<tr>
<th>Test Sample</th>
<th>Project</th>
<th>Test Results (μm)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>Avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A223036704410100113</td>
<td>Hole Copper</td>
<td></td>
<td>26.2</td>
<td>24.8</td>
<td>23.7</td>
<td>24.0</td>
<td>25.1</td>
<td>24.0</td>
<td>24.6</td>
</tr>
<tr>
<td></td>
<td>Surface Copper</td>
<td></td>
<td>37.9</td>
<td>37.1</td>
<td>37.1</td>
<td>37.1</td>
<td>36.3</td>
<td>/</td>
<td>37.1</td>
</tr>
<tr>
<td></td>
<td>Solder Mask</td>
<td>Base Material</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>43.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Copper Surface</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Corner</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17.6</td>
</tr>
</tbody>
</table>
Test Photos:
Test photo(s) of sample A2230367044101001 (50X~200X)
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 ***