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>Glass transition temperature</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. A223036704410100106

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)

A2230367044101001
Test Report

Test Item: Glass transition temperature

1. Test Equipment

<table>
<thead>
<tr>
<th>Equipment Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Mechanical Analysis(TMA)</td>
<td>TMA450</td>
</tr>
</tbody>
</table>

2. Environmental Conditions

Temperature: 23.8°C; Humidity: 48% RH

3. Test Standard: IPC-TM-650 2.4.24C

4. Test Conditions

(1) Preconditioning: Sample is preconditioned by baking for 2h at 105°C, then cooled to room temperature in a desiccator.

(2) Test condition: Heat from 30°C to 270°C at a rate of 10°C/ min in N₂.

5. Test Result(s)

<table>
<thead>
<tr>
<th>Test Sample</th>
<th>Glass Transition Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2230367044101001</td>
<td>151.58</td>
</tr>
</tbody>
</table>

Test Curve:
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 ***