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>Time to Delamination</td>
</tr>
</tbody>
</table>

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

Approved by Annie Lang  Date Aug. 18, 2023

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

Report No.  A2230367044410100108

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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>A22303670444101001</td>
<td>2layers PCB</td>
<td>pcb</td>
</tr>
</tbody>
</table>

### Sample Photo(s)

![Sample Photo](A22303670444101001)
Test Report

Test Item: Time to Delamination

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


4. Test Conditions

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

(2) After precondition, heat from 30°C to 288°C at a rate of 10°C/min in N₂, then hold at 288°C for 10min or to delamination.

5. Test Result(s)

<table>
<thead>
<tr>
<th>Test Sample</th>
<th>Time to Delamination (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2230367044101001</td>
<td>&gt;10</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 ***