# Reliability Tests Report

**Product Name:** TB67S109AFTG  
**Package Name:** WQFN48

## 1. Thermal tests

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test Condition</th>
<th>Failure Size / Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to Soldering Heat for Packages</td>
<td>Reflow peak temperature and moisture soak conditions are specified per package type, 3 times</td>
<td>0 / 32</td>
</tr>
<tr>
<td>Temperature Cycling</td>
<td>-65deg.C (20min) to 25deg.C to 150deg.C (20min) to 25deg.C 300 cycles</td>
<td>0 / 32</td>
</tr>
</tbody>
</table>

## 2. Mechanical tests

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test Condition</th>
<th>Failure Size / Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solderability</td>
<td>Solder temperature: 245deg.C for Solder type Sn-3Ag-0.5Cu, Solder immersion time: 5s, Flux type: non-active flux, 1 time</td>
<td>0 / 22</td>
</tr>
</tbody>
</table>

## 3. Life tests

<table>
<thead>
<tr>
<th>Test Item</th>
<th>Test Condition</th>
<th>Failure Size / Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Temperature Operating Life</td>
<td></td>
<td>0 / 32</td>
</tr>
<tr>
<td>High Temperature Storage Life</td>
<td></td>
<td>0 / 32</td>
</tr>
<tr>
<td>High Temperature High Humidity Bias</td>
<td></td>
<td>0 / 32</td>
</tr>
</tbody>
</table>

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