Modus Test Type 2K™ Series Sockets
Combining Innovation with Best-known Methods

Combining innovation with best known methods for test socket design and manufacturing, Modus Test offers a unique, high performance solution for the testing of grid array packages with our 2K™ family of sockets. Modus Test Type 2K offers high frequency and high speed digital testing capability with pressure conductive rubber that is nearly invisible to the signal being passed. Type 2K is easy on the package with little or no witness marks and will not damage your load boards, extending their life.

The Type 2K™ socket can be ordered online at www.transcendtec.com. Try our 2K™ series and see for yourself how Modus Test combines innovation with best-known methods to improve your results.

Modus Solution

Type 2K™ Series Sockets

Type 2K™ is Ideal for both Lab & High Volume Test Environments

Features

> 1.0mm Signal Path
> High Density Au Flake Contact

Benefits

> 37Ghz @ -1dB IL
> Multiple Contact Points on IC Lead
> No Pad Wear on DUT or PCB

Before Contact

After Contact

Type 2K™ Specifications

<table>
<thead>
<tr>
<th>Socket pitch</th>
<th>0.5 mm</th>
<th>0.65 mm</th>
<th>≥ 0.8 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact resistance</td>
<td>&lt;100mΩ</td>
<td>&lt;100mΩ</td>
<td>&lt;100mΩ</td>
</tr>
<tr>
<td>Self inductance</td>
<td>0.23 nH</td>
<td>0.33 nH</td>
<td>0.27 nH</td>
</tr>
<tr>
<td>Capacitance</td>
<td>0.13 pF</td>
<td>0.16 pF</td>
<td>0.16 pF</td>
</tr>
<tr>
<td>Mutual inductance</td>
<td>0.08 nH</td>
<td>0.13 nH</td>
<td>0.09 nH</td>
</tr>
<tr>
<td>Mutual capacitance</td>
<td>0.02 pF</td>
<td>0.03 pF</td>
<td>0.03 pF</td>
</tr>
<tr>
<td>S21 (Insertion loss)</td>
<td>-1dB @37GHz</td>
<td>-1dB @33.2GHz</td>
<td>-1dB @25GHz</td>
</tr>
</tbody>
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</tr>
</thead>
<tbody>
<tr>
<td>Socket height</td>
<td>0.7 mm</td>
<td>0.9 mm</td>
<td>0.9 mm</td>
</tr>
<tr>
<td>Contact Force (at 0.2mm stroke)</td>
<td>20±5 g/pin</td>
<td>25±5 g/pin</td>
<td>25±5 g/pin</td>
</tr>
<tr>
<td>Recommended stroke</td>
<td>0.2 mm</td>
<td>0.25 mm</td>
<td>0.25 mm</td>
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<tr>
<td>Maximum stroke</td>
<td>0.25 mm</td>
<td>0.3 mm</td>
<td>0.3 mm</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55°C ~ 150°C</td>
<td>-55°C ~ 150°C</td>
<td>-55°C ~ 150°C</td>
</tr>
<tr>
<td>Material</td>
<td>Au powder, Silicone rubber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frame</td>
<td>FR4, SUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommend package</td>
<td>High speed BGA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Device applications</td>
<td>Memory, Logic, MCP, RF etc</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
About Modus Test

Modus Test was founded on the idea that there are creative ways to improve test results by combining innovation with the best-known methods in test design and manufacturing.

Modus Test’s manufacturing locations are strategically located to support the semiconductor industry’s test and assembly operations throughout the world. With additional design and engineering resources close to customer development sites and our sales and service teams located across the globe, Modus Test can truly support the global operations of our customers.

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