**Z-Move™ socket for pin header**

**18008 Series**

18008 Series is floating bottom entry socket for pin header (Pitch: 2.54mm, 0.64mm square).

It is featured with bottom entry mating structure which is suitable for stacking the PCBs. By shifting from connector with manual soldering process to this connector, you can reduce the soldering process and increase contact reliability.

**Market/Application**

- Industrial
  - Factory Automation
  - Robot
  - Smart grid
  - Other Industrial equipment

- Automotive
  - Inverter
  - Converter
  - EPS
  - Other Automotive equipment

**Features**

1. **Bottom entry**

Since the opponent pin will be inserted from the bottom of socket, it is possible to see from the top of the connector whether the pin is inserted correctly.

2. **Floating and self-alignment function**

IRISO Floating connectors would offset mating positional error in X/Y direction. It has self-alignment function which offset positional error, and easy for PCB design considering using multiples connectors. In total it would improve operational efficiency.

In addition, this series consist with IRISO unique function “Z-Move™*1“ which allows to move in Z-direction. It can offset sympathetic vibration in PCBs after mating.

(*1) Z-Move™ is a registered trademark by IRISO ELECTRONICS CO., LTD.

3. **Less stress on soldering area**

On top of floating function mentioned above, there are metal flange at both edge of housing (selectable from SMT and DIP type). This will reduce the stress on soldering area caused by external force, and prevent cracks on soldering area.
**Specification**

<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Series No.</td>
<td>18008 series</td>
</tr>
<tr>
<td>2</td>
<td>Pitch</td>
<td>2.54 mm</td>
</tr>
<tr>
<td>3</td>
<td>No. of contact</td>
<td>3 … 10 Pin</td>
</tr>
<tr>
<td>4</td>
<td>Pin size</td>
<td>□ 0.64 mm</td>
</tr>
<tr>
<td>5</td>
<td>Mounting method</td>
<td>SMT</td>
</tr>
<tr>
<td>6</td>
<td>Contact material</td>
<td>Copper Alloy</td>
</tr>
<tr>
<td>7</td>
<td>Plating</td>
<td>Au plating over Ni Tin</td>
</tr>
<tr>
<td>8</td>
<td>Current rating</td>
<td>1 A / Pin</td>
</tr>
<tr>
<td>9</td>
<td>Voltage rating</td>
<td>50 V (AC/DC)</td>
</tr>
<tr>
<td>10</td>
<td>D.W. voltage</td>
<td>125 V (AC, 1 min)</td>
</tr>
<tr>
<td>11</td>
<td>Insulation resistance</td>
<td>100 MΩ or more</td>
</tr>
<tr>
<td>12</td>
<td>Operating temperature</td>
<td>-40 … 125 ℃</td>
</tr>
</tbody>
</table>

**Dimension**

*NOTE*
- Mating side only suitable for Au plating specification.
- Please make an inquiry to our sales rep. about mating height.
- Please make an inquiry to our sales rep. about vibration condition and amplitude.

**IMSA-18008S-xxF-GFN4**

- Connect with power module
- Check the detail!

**Check the detail!**

- Please provide details on drawing and specification sheets which will be provided upon request.
- Contact IRISO Headquarters Sales Dept. for more information.