For surface mounting (two-tiered installation)  Mac 8’s terminals for printed boards

Terminal for two-tiered installation for surface mounting [HRP series] (10pcs/pack)

- By fitting this product to the master board side (surface mounting) and fitting a socket pin (with a hole) on the slave board side, this terminal allows two-tiered installation and inserting / pulling out.
- This can be used by direct soldering without using a socket.
- Pitch: 2.54 mm, 20P connected
- Operating temperature range: −40 to +125°C
- Material
  - Pin part: Brass
  - Resin part: PPS black (UL94V-0)
- Finish
<table>
<thead>
<tr>
<th>Part number</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRP-20P-G</td>
<td>Gold plating over nickel base</td>
</tr>
<tr>
<td>HRP-20P-S</td>
<td>Tin plating over nickel base</td>
</tr>
</tbody>
</table>
- Rated current
  - When a socket is used: 1A
  - When directly soldered: 2A
- Insulation resistance: 500MΩ or over
- Withstand voltage: 1000V AC, DC per minute
- Recommended fitting land

Instructions for mounting
In the case that a warpage occurs on the resin part during reflow because many pins are connected for use, apply an adhesive to several places.

Reference dimensions

<table>
<thead>
<tr>
<th>Master board side</th>
<th>Slave board side</th>
<th>Height between the boards: H (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRP-20P-G</td>
<td>ME-3-1</td>
<td>4.7</td>
</tr>
<tr>
<td>HRP-20P-S</td>
<td>MF-3-1</td>
<td>4.7</td>
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<tr>
<td></td>
<td>PD-7</td>
<td>2.6</td>
</tr>
<tr>
<td></td>
<td>PC-10</td>
<td>2.7</td>
</tr>
<tr>
<td></td>
<td>PC-11</td>
<td>2.7</td>
</tr>
<tr>
<td></td>
<td>Direct soldering</td>
<td>2.2</td>
</tr>
</tbody>
</table>

How to order
HRP-10P-G
G: Gold plating over nickel base
S: Tin plating over nickel base
Please fill in the desired number of poles. (Maximum number: 20P)

Terminal for two-tiered installation for surface mounting (with placement pin) [HRRP series] (10pcs/pack)

- This terminal has a placement pin that allows easy positioning of the terminal for two-tiered installation for surface mounting described above.
- Placement pin material: Phosphor bronze 0.64mm
- Fitting hole diameter: 1.1mm
- We will deliver it with the desired number of poles.

How to order
HRP-10P-G
G: Gold plating over nickel base
S: Tin plating over nickel base
Please fill in the desired number of poles. (The number of poles does not include the placement pin.)
There are 10 valid pins and placement pins on the both sides. (Maximum number: 18P)

Instructions for mounting
In the case that a warpage occurs on the resin part during reflow because many pins are connected for use, apply an adhesive to several places.