To our customers,

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**Old Company Name in Catalogs and Other Documents**

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April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation ([http://www.renesas.com](http://www.renesas.com))
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M3T-DUMMY80
Dummy IC for 80-pin 0.8mm-pitch QFP (80P6N-A)

Function
This accessory tool connects the probe of an emulation pod and the target, or an MCU and the target. Its dimensions are the same as those of MCU for the 80-pin 0.8mm-pitch QFP (80P6N-A) package. It consists of (1) to (3) shown in the diagram.

Attaching Procedure
This converter can be used during debugging and board-mounted evaluation in common.

When debugging
(1) Mount a socket on the target.
(2) On top of it, mount the M3T-DUMMY80 and a socket frame in that order.
(3) Then connect the probe of the emulation pod to the connector provided at the top of the M3T-DUMMY80.

During board-mounted evaluation
Mount an MCU and a socket frame on a socket on the target in that order.

Socket Frame
M3T-DUMMY80
Socket
Foot pattern
Target system

Dimensions

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Term</th>
<th>Dimensions [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Fitting height</td>
<td>5.0</td>
</tr>
<tr>
<td>b</td>
<td>Pin width</td>
<td>0.3</td>
</tr>
<tr>
<td>D</td>
<td>Package length</td>
<td>14.0</td>
</tr>
<tr>
<td>E</td>
<td>Package width</td>
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<tr>
<td>e</td>
<td>Interval in row of pins</td>
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<tr>
<td>HD</td>
<td>Overall length</td>
<td>18.0</td>
</tr>
<tr>
<td>HE</td>
<td>Overall width</td>
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</tr>
<tr>
<td>M</td>
<td>Mount pad size</td>
<td>6.3</td>
</tr>
</tbody>
</table>

Foot Pattern Reference Dimensions
See Appendix B "Reference Dimensional Drawing for Common 80-pin 0.8mm-pitch QFP Foot Pattern".

(Ordering Information) See Appendix H "Ordering Information".

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