To our customers,

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Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: [http://www.renesas.com](http://www.renesas.com)

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April 1st, 2010
Renesas Electronics Corporation

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Issued by: Renesas Electronics Corporation ([http://www.renesas.com](http://www.renesas.com))

**Title: Addition of Production Line for MPAK**

**Applicable Product:**
RQK****DQA, RQJ****DQA Series, 2SC5772, 2SC5773, 2SC5890, 2SD2655, 2SB1691

**Lot No.:** all

**Reference Document:**

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1. **Applicable Product**
   RQK****DQA, RQJ****DQA Series, 2SC5772, 2SC5773, 2SC5890, 2SB1691, 2SD2655

2. **Reason**
   Improvement of production efficiency and delivery.

3. **Contents**
   It will use the hoop line together in the future though these are produced on the non hoop line now.

The table shows before and after change of assembly line

<table>
<thead>
<tr>
<th>Assembly line</th>
<th>before</th>
<th>after</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non Hoop line only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hoop line</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The comparison of frame supply method

**Non Hoop line**

- Frame
- Cutting
- Assembly process by short frame

**Hoop line**

- Frame
- Non cutting
- Assembly process by continuous frame

4. **Schedule**
   We will start the changes from July 2008 gradually.
   Delivery of new or current versions depends on stock.
5. Remarks

1. After change, there is no change of the guarantee electrical characteristic and the reliability of each product. Renesas Technology Corp. is responsible for the product quality as usual before.

2. Almost small outline package (MPAK, CMPAK, CMPAK-6, CMPAK-4) are produced by Hoop line. This time, it applies to a comparatively new MPAK transistor product (Refer to the above-mentioned application product for details) in addition to the MPAK transistor product applied so far.

The comparison of externals photograph

1. This is 2SC5772

<table>
<thead>
<tr>
<th>Non Hoop line</th>
<th>Hoop line</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Non Hoop line Image" /></td>
<td><img src="image2" alt="Hoop line Image" /></td>
</tr>
<tr>
<td>Magnification X15</td>
<td>Magnification X15</td>
</tr>
</tbody>
</table>