RENESAS TECHNICAL UPDATE

1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668 Japan
Renesas Electronics Corporation

Date: Feb. 13, 2014

Product Category	Package		Document No.	TN-WRP-A019A/E	Rev.	1.00
Title	Changes of the shipping forms and materials by applying the unified packing specification		Information Category	Changes of packing specification		
Applicable Product	All the products that the section 2 contents are applicable.	Lot No.	Reference Document			

1. Purpose

We will change our packing materials and shipping forms by applying our unified packing specification.

2. Object products & Changes

NO.	Changed Contents	Objective Products	Reference
1	Change the stacked number of JEDEC trays	Products shipped out by the 5- stacked JEDEC tray form	page2, 5.1, fig.1
2	Change specification of the shipping inner box for JEDEC trays	Products applied the objective inner box	page3, 5.2, fig.2
3	Change specification of the desiccant for JEDEC trays	The products applied the 30g desiccant	page4, 5.3, fig.3
4	Change design of the humidity indicator card (HIC)	All the products shipped out by the moisture barrier bag	page4, 5.4, fig.4
5	Change the humidity sensor portion of humidity indicator card (HIC)	All indicators with 3 levels indication	page4, 5.4, fig.4
6	Change packing specification of the magazines	Magazine products using the gazette bags with gore	page5, 5.5, fig.5
7	Change specification of the shipping inner box for tape & reel	ϕ330 taping products box, and shipping box with RENESAS logo marks	page6, 5.6, fig.6

Please refer the detail description from next page.

3. Timing of changes

The change starts from our factory shipping products in May 2014. Please understand that the switching period may vary due to the transition period. For the time being, the present packaged products may be shipped out due to the channel inventory.

4. Others

Please note that references to the packing materials and shipping forms in our previous “Delivery Specifications: Collateral Circumstance” are now replaced by this notice. If you need to revise the present agreed delivery specifications, please contact our business.

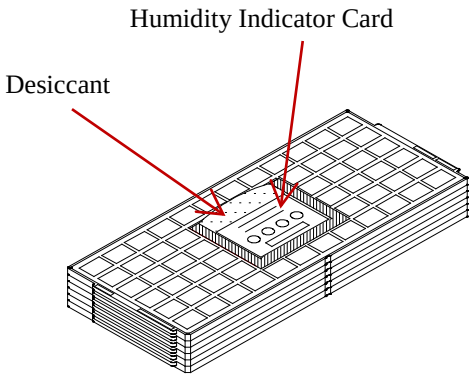
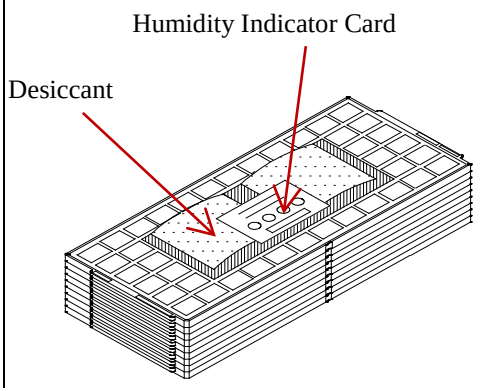
(c) 2014. Renesas Electronics Corporation. All rights reserved.

5. Detail Description

5-1. Change the stacked number of JEDEC trays

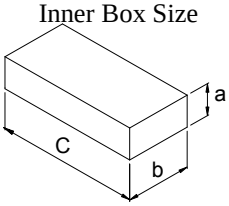
Change relates to stacked number of JEDEC trays which are shipped out by the 6 stacked trays to the 9 stacked trays (include 1 cover tray). The products ordered by the prefixed quantity are exception.

Fig.1: The external view for the 6 stacked trays and 9 stacked trays (include 1 cover tray)

Item	Before	After
External View		
Spec.	5 product trays + 1 cover tray	8 product trays + 1 cover tray

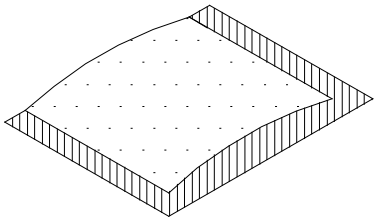
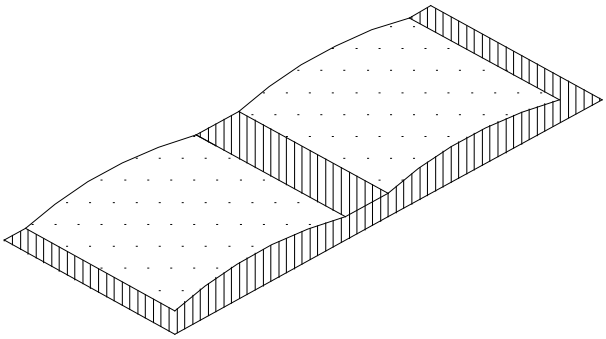
5-2. Change specification of the shipping inner box for JEDEC trays
Change relates to the shape of the inner box, protective sheet, and spacer.

Fig.2: The external view for the JEDEC tray shipping inner box, protective sheet, and spacer

<table>
<tr><td colspan="2">Item</td><td colspan="3">Before</td><td colspan="3">After</td></tr>
<tr><td rowspan="2">External View</td><td>Outer View</td><td colspan="3"></td><td colspan="3"></td></tr>
<tr><td>Open View</td><td colspan="3"></td><td colspan="3"></td></tr>
<tr><td rowspan="3">Inner Box Size
</td><td colspan="6">Size (mm)</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>a</td><td>b</td><td>C</td></tr>
<tr><td>75</td><td>175</td><td>375</td><td>75</td><td>152</td><td>330</td></tr>
<tr><td>Protective Sheet</td><td colspan="3">Paper Sheet</td><td colspan="3">Bubble Sheet</td></tr>
<tr><td>Spacer</td><td colspan="3">Yes</td><td colspan="3">No</td></tr>
</table>

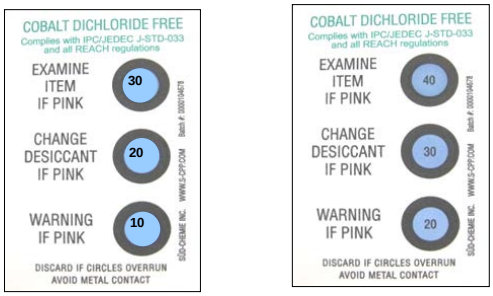
5-3. Change specification of the desiccant for JEDEC trays
Change relates to weight of the bag which is from the 30g x 1 bag to the one of 25g x 2 pockets bag.

Fig.3 External View for the desiccant of shipping JEDEC trays

Item	Before	After
External View		
Weight	30g	50g (25g + 25g)

5-4. Change specification of the moisture sensing indicator for JEDEC trays
Change relates to the design of the Humidity Indicator Card, and display of 3 levels humidity indication to the 4 levels humidity indication.

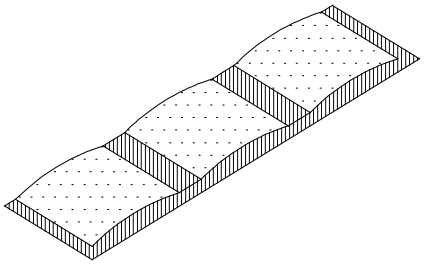
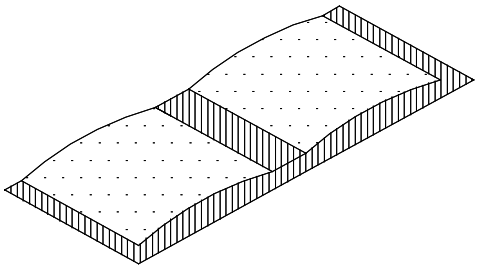
Fig.4: External view for the Humidity Indicator Card (HIC)

Item	Before	After
External View		
Moisture Sensing indication	3 levels	4 levels

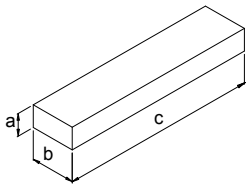
5-5. Change packing specification of the magazines

Change relates to the size of the inner box, moisture proof bag, and desiccant. There is no change to numbers of magazines in the inner box.

Fig.5: External View for the shipping inner box for magazine, the moisture barrier bag, and the desiccant

Items		Before	After
External View	Inner Box (Open)		
	Humidity Barrier Bag	 Gazette type	 3 ways seal type
	Desiccant	 15g (5g + 5g + 5g)	 50g (25g + 25g)

Size of Inner Box



Size(mm)					
a	b	c	a	b	C
66	130	575	77	172	600

5-6. Change specification of the shipping inner box for tape & reel

The change relates to Φ330 reel inner box. The white inner box for Φ330 reels is discontinued, and then it replaced by the brown inner box. At the same time, the logo marks for inner box are unified to one size.

Fig.6: External view for shipping Φ330 reel inner box

Item	Before	After
External View	 	