

RENESAS TECHNICAL UPDATE

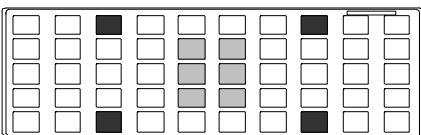
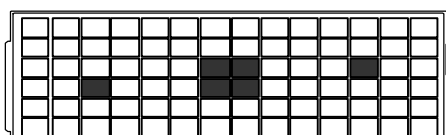
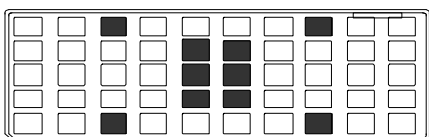
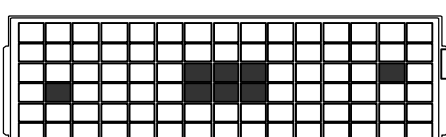
Classification of Production	Packages	No	TN-PKG-080C/E	Rev.	3
THEME	Notification of changing over to JEDEC tray (for QFP1414)	Classification of Information	<ol style="list-style-type: none"> 1. Spec change 2. Supplement of Documents 3. Limitation of Use 4. Change of Mask 5. Change of Production Line 		
PRODUCT NAME	All devices to which the following packages are applied. QFP1414 : FP-44A FP-64A,64H FP-80A,80Q FP-100B,100M	Lot No. _____	Reference Documents _____	term of validity permanent	

1.Contents of change

We will change the shipment tray from the old Hitachi (Semiconductor group) custom-made specification into the JEDEC specification.
According to this change, the number of devices loaded in a tray, the pocket pitch, and the heat-proof temperature change.

1.Tray

(Trays are due to change in July,2003)

Package		Before change	After change
FP-44A FP-64A FP-64H FP-80A FP-80Q	Outline	 <div> <p>■ PT704A ■ PT854B,PT870C Pockets for vacuum chuck (Hole-less pockets)</p> </div>	 <div> <p>■ Pockets for vacuum chuck (Hole-less pockets)</p> </div>
	Number of devices	5×10=50pcs/tray	6×14=84pcs/tray
	Tray type	PT704A(nonheat-proof) PT854B(125°C heat-proof) PT870C(150°C heat-proof)	PTA55C(150°C heat-proof)
FP-100B FP-100M	Outline	 <div> <p>■ Pockets for vacuum chuck (Hole-less pockets)</p> </div>	 <div> <p>■ Pockets for vacuum chuck (Hole-less pockets)</p> </div>
	Number of devices	5×10=50pcs/tray	6×15=90pcs/tray
	Tray type	PT716AM(nonheat-proof) PT492CM(150°C heat-proof)	PTA52C(150°C heat-proof)

2. Cause of change

To standardize the tray specification and to reduce the environmental load by increasing the number of devices loaded in a tray.

3. Change time

We will apply the new tray (JEDEC tray) to the devices produced in July, 2003.

Due to the stock control, some devices will be shipped in an old tray (Hitachi tray) for a while. We hope your understanding and approval.

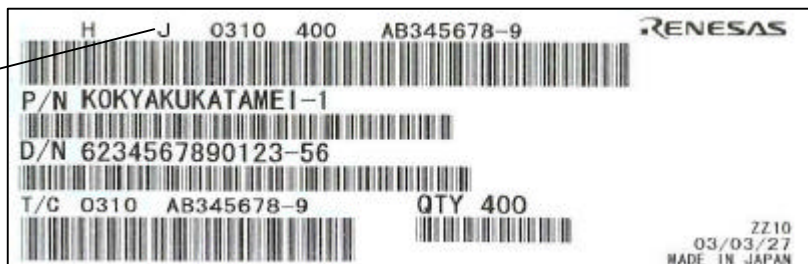
As to the devices shipped in a JEDEC tray, the letter "J" is printed on the first column of an inner box label, and the "JEDEC SPEC TRAY" indication is printed on the front side of an inner box for a while.

In addition, for the devices which have already been shipped in a JEDEC tray, the "JEDEC SPEC TRAY" indication is printed on the front side of an inner box for a while.

- Indication of inner box label

The letter "J" is printed on the first column of an inner box label

Print the letter "J"



* The same label is attached on the moisture-proof bag.
* We plan to indicate the letter "J" for approximately one year.

- Indication of inner box

The indication of "JEDEC SPEC TRAY" is printed in black on the front side of an inner box.

