

To our customers,

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>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

Send any inquiries to <http://www.renesas.com/inquiry>.

RENESAS TECHNICAL UPDATE

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 Renesas Technology Corp.

Product Category	MPU&MCU		Document No.	TN-WRP-A011A/E	Rev.	1.00
Title	Replace of Shipping Tray Type for 17x17mmSQ-BGA Packages		Information Category	Packing Change		
Applicable Product	Device of SH-MPU and CBIC which has applied below the Package-Code. Package-Code:BP-256B,BP-256BV,BP-336, BP-336V,BP-256H,BP-256HV,BP-300,BP-300V,PRBG0292GA-A,PRBG0256GA-A,P LBG256GA-A	Lot No.	Reference Document	None		

1. Change Purpose

Our company standardizes the 17X17mmSQ-BGA package shipment tray this time. This is a notification to change the tray from "PTA36CF" to "PTB75C "

2. Object of Change

Please look at the next page.

3. Contents of Change

The appearance of the pockets and the size of the open pockets change a little.

Please refer to the table below. However, because it is a tray based on the JEDEC standard, the pitch between externals size, the number of pockets, and the pocket doesn't have the change.

In addition, PTB75C and PTA36CF tray can be used even if it piles it. Therefore, the inconvenience in customer's mounter is not and can be used. A detailed size is shown on the subsequent page.

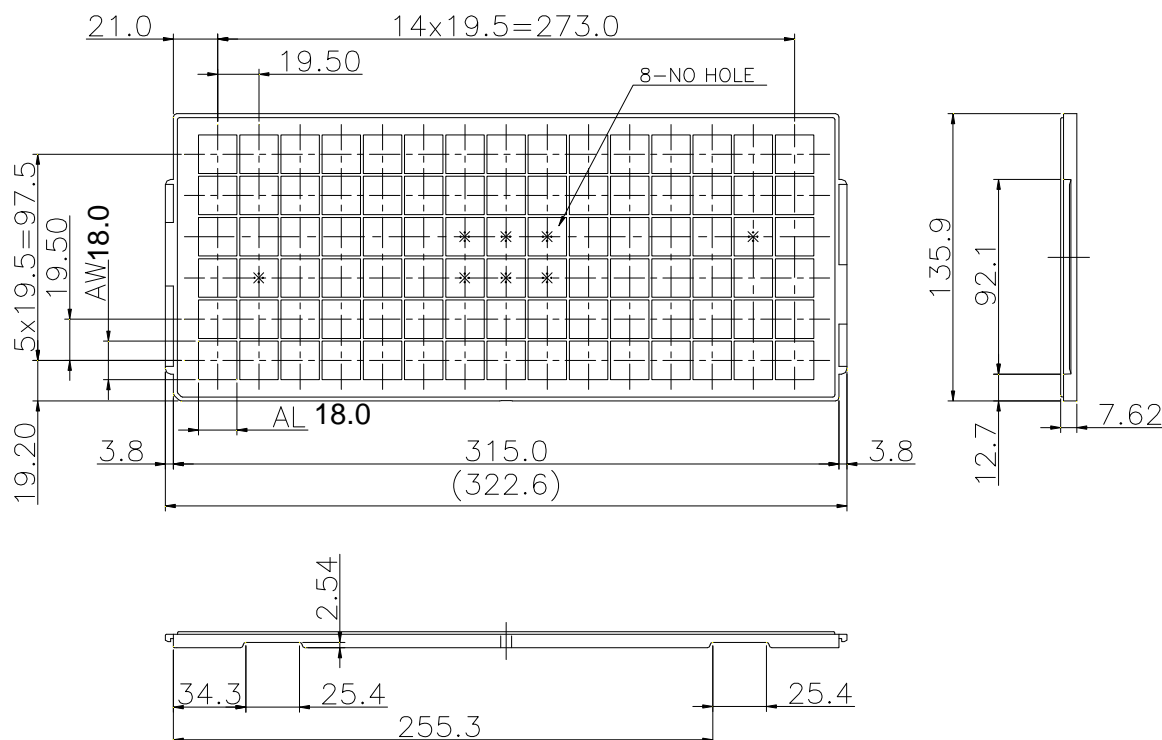
Tray Type	Current	After Change
	PTA36CF	PTB75C
Appearance of pockets		
Externals size.	322.6mm x 135.9mm x 7.62mm (JEDEC standard)	There is no change.
maximum, possible number of storage.	6x15=90IC	There is no change.
Direction where IC is stored.	Direction where index and ICA1 pin of tray are the same.	There is no change.
Pich between pockets.	X: 19.5mm, Y: 19.5mm	There is no change.
Size of open pockets. (AL and AW)	18.2mm	18.0mm
Material.	Carbon PPO	Carbon PPE However, there is no change in the material.
Surface resistance value.	Less than 1 giga ohm/square.	There is no change.
Heatproof performance.	150°C MAX, 4h (130°C MAX, 24h)	There is no change.

table -1

4. When it is changing appropriate

It changes from the factory shipment in October, 2008. Though the tray mixes in the short span of time because it is possible to use it without trouble even if it piles it as we have written, complex management by the customer is unnecessary. We hope the above is understood. Thank you.

Comparative outline



Products list

HD6417720BP133	HD6417710BP
HD6417720BP133V	HD6417710BPV
HD6417720BP133B	HD6417712BP
HD6417720BP133BV	HD6417712BPV
HD6417720BP133C	HD6417713BP
HD6417720BP133CV	HD6417713BPV
HD6417320BP133	HD6417750RBG200DV
HD6417320BP133V	HD6417750RBG240V
HD6417320BP133B	HD6417751RBG240DV
HD6417320BP133BV	HD6417751RBG240V
HD6417320BP133C	HD6417760BL200AD
HD6417320BP133CV	HD6417760BL200ADV
HD6417321BP133	HD6417760BL200AV
HD6417321BP133V	HG76C013BBPV
HD6417321BP133B	R5S76700B200BG
HD6417321BP133BV	R5S76700D133BG
HD6417321BP133C	R5S76710B200BG
HD6417321BP133CV	R5S76710D133BG
HD6417330BP133	R5S76720B200BG
HD6417330BP133V	R5S76720D133BG
HD6417330BP133B	R5S76730B200BG
HD6417330BP133BV	R5S76730D133BG
HD6417330BP133C	R4S76410D100BGV
HD6417330BP133CV	
R8A77210C133BG	
R8A77210C133BGV	
R8A77211C133BG	
R8A77211C133BGV	
R8A77212C133BG	
R8A77212C133BGV	
R8A77213C133BG	
R8A77213C133BGV	