

### **Product Change Notice (PCN)**

Subject: Notice of Change in 14 x 14 mm LQFP Tape & Reel Packaging Components for RX100/200/600 Products

Publication Date: 7/22/2022 Effective Date: 11/1/2022

Revision Description: Initial Release

#### **Description of Change:**

Affected Products: RX100/200/600 Package dimensions 14 x 14 mm LQFP Target location (assembly and testing base): Renesas Semiconductor (Beijing) Co., Ltd (hereafter

referred to as RSB) The embossed tape width was changed for the shipment of tape & reel, manufactured at RSB. Before change: 32 mm

After change: 24 mm

The pocket width, pocket depth, feed hole, dimension between feed hole and pocket center, reel width, and cover tape width change due to the change in tape width.

#### Affected Product List:

RX100/200/600 14 x 14 mm LQFP packaged products. For detailed type names, see Page 2 and the following pages

Product Group	Package	Embossed Tape Width
RX110	14 × 14 mm 64 pin	
RX111	14 × 14 mm 64 pin	
RX113	14 × 14 mm 100 pin	
RX130	14 × 14 mm 64 pin, 100 pin	
RX140	14 × 14 mm 64 pin	Changed from 32 mm
RX210	14 × 14 mm 100 pin	to 24 mm
RX231	14 × 14 mm 100 pin	
RX24T/RX24U	14 × 14 mm 64 pin, 80 pin, 100 pin	
RX63T	14 × 14 mm 100 pin	

#### **Reason for Change:**

The embossed tape width will be changed to 24 mm to maintain a stable supply.

#### Impact on Fit, Form, Function, Quality & Reliability:

Form and fit of the device: No change Function, quality, and reliability: No influence Outline of the embossed tape: Changed

#### Product Identification:

The 24-mm width will be applied to products with the date "2022/11/01" or later on the upper left of the barcode on the packing label. The 24-mm width can be identified by this date.

Qualification Status: Not applicable

Sample Availability Date: Not applicable

Device Material Declaration: Please contact our sales representatives or distributors.

Note:

- 1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.
- 2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.
- 3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

For additional information regarding this notice, please contact your Renesas sales representative.

Lis <u>t of Type Names:</u>			
R5F51101ADFK#50	R5F51137ADFP#5A	R5F52305ADFP#50	R5F524TBADFP#51
R5F51101AGFK#50	R5F51137AGFP#5A	R5F52305AGFP#50	R5F524TBAD***FP#5C
R5F51103ADFK#50	R5F51138ADFP#5A	R5F52306ADFP#50	R5F524TBAGFP#51
R5F51103AGFK#50	R5F51138AGFP#5A	R5F52306AGFP#50	R5F524TBAG***FP#5C
R5F51104ADFK#50	R5F51303ADFK#50	R5F52315ADFP#50	R5F524TCADFP#51
R5F51104AGFK#50	R5F51303AGFK#50	R5F52315AGFP#50	R5F524TCAD***FP#5C
R5F51105ADFK#50	R5F51305ADFK#50	R5F52315CDFP#50	R5F524TCAGFP#51
R5F51105AGFK#50	R5F51305ADFP#50	R5F52315CGFP#50	R5F524TCAG***FP#5C
R5F5110JADFK#50	R5F51305AGFK#50	R5F52316ADFP#50	R5F524TEADFP#51
R5F5110JAGFK#50	R5F51305AGFP#50	R5F52316AGFP#50	R5F524TEAD***FP#5C
R5F51111ADFK#5A	R5F51305BDFP#50	R5F52316CDFP#50	R5F524TEAGFP#51
R5F51111AD***FK#5A	R5F51305BGFP#50	R5F52316CGFP#50	R5F524TEAG***FP#5C
R5F51111AGFK#5A	R5F51306ADFK#50	R5F52317ADFP#50	R5F524UBADFP#50
R5F51111AG***FK#5A	R5F51306ADFP#50	R5F52317AGFP#50	R5F524UBAD***FP#5C
R5F51113ADFK#5A	R5F51306AGFK#50	R5F52317BDFP#50	R5F524UBAGFP#50
R5F51113AD***FK#5A	R5F51306AGFP#50	R5F52317BGFP#50	R5F524UBAG***FP#5C
R5F51113AGFK#5A	R5F51306BDFK#50	R5F52318ADFP#50	R5F524UCADFP#50
R5F51113AG***FK#5A	R5F51306BDFP#50	R5F52318AGFP#50	R5F524UCAD***FP#5C
R5F51114ADFK#5A	R5F51306BGFK#50	R5F52318BDFP#50	R5F524UCAGFP#50
R5F51114AD***FK#5A	R5F51306BGFP#50	R5F52318BGFP#50	R5F524UCAG***FP#5C
R5F51114AGFK#5A	R5F51307ADFK#50	R5F524T8ADFF#51	R5F524UEADFP#50
R5F51114AG***FK#5A	R5F51307ADFP#50	R5F524T8ADFK#51	R5F524UEAD***FP#5C
R5F51115ADFK#5A	R5F51307AGFK#50	R5F524T8ADFP#51	R5F524UEAGFP#50
R5F51115AD***FK#5A	R5F51307AGFP#50	R5F524T8AD***FF#5C	R5F524UEAG***FP#5C
R5F51115AGFK#5A	R5F51308ADFK#50	R5F524T8AD***FP#5C	R5F563TBAGFP#X1

R5F51115A	G***FK#5A	R5F51308ADFP#50	R5F524T8AGFF#51
R5F51116AI	DFK#5A	R5F51308AGFK#50	R5F524T8AGFK#51
R5F51116A	GFK#5A	R5F51308AGFP#50	R5F524T8AGFP#51
R5F51117AI	DFK#5A	R5F51403ADFK#50	R5F524T8AG***FF#5C
R5F51117A	GFK#5A	R5F51403AGFK#50	R5F524T8AG***FP#5C
R5F51118AI	DFK#5A	R5F51405ADFK#50	R5F524TAADFF#51
R5F51118A	GFK#5A	R5F51405AGFK#50	R5F524TAADFK#51
R5F5111JAI	DFK#5A	R5F51405BDFK#50	R5F524TAADFP#51
R5F5111JAI	D***FK#5A	R5F51405BGFK#50	R5F524TAAD***FF#5C
R5F5111JA0	GFK#5A	R5F51406ADFK#50	R5F524TAAD***FP#5C
R5F5111JA	G***FK#5A	R5F51406AGFK#50	R5F524TAAGFF#51
R5F51135AI	DFP#5A	R5F51406BDFK#50	R5F524TAAGFK#51
R5F51135A	GFP#5A	R5F51406BGFK#50	R5F524TAAGFP#51
R5F51136AI	DFP#5A	R5F52107CGFP#50	R5F524TAAG***FF#5C
R5F51136A	GFP#5A	R5F52108CGFP#50	R5F524TAAG***FP#5C
***: Posonyod for POM codo			

\*\*\*\*: Reserved for ROM code.

change Tape & Reel packaging for RX LQFP PRODUCTS DIFFERENCE DOCUMENT

JULY 15, 2022 IOT PLATFORM BUSINESS DIVISION IOT AND INFRASTRUCTURE BUSINESS UNIT RENESAS ELECTRONICS CORPORATION

IMO-AB-22-0089

PC-MCU-A005A/E



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### Content



- 1. Difference of specification's outline
- 2. Difference of specification's detail
- 3. 4M changing points

### **Overview**

Thank you for continuously using our products.

For RX microcomputer products, we change Tape & Reel packaging materials are change.

Therefore, we would like to ask for your kind understanding and cooperation in order to make the procedure smoothly completed.

Yours sincerely,

Change points are reported in the following pages.



## **1. DIFFERENCE OF SPECIFICATION'S OUTLINE**

Item	Before	After	Note
Assembly factory	Renesas Semiconductor (Beijing) Co., Ltd	-	-
Tape & Reel / Reel type 14x14mm package	Embossed tape width 32 mm Reel type: For 32-mm width tape	Embossed tape width 24 mm Reel type : For 24-mm width tape	Refer to page 6 to 7

% There is no impact on reliability and specification

# 2. Difference of specification's detail (1)

Comparison of tape & reel material details: 14x14mm LQFP Tape & Reel packaging

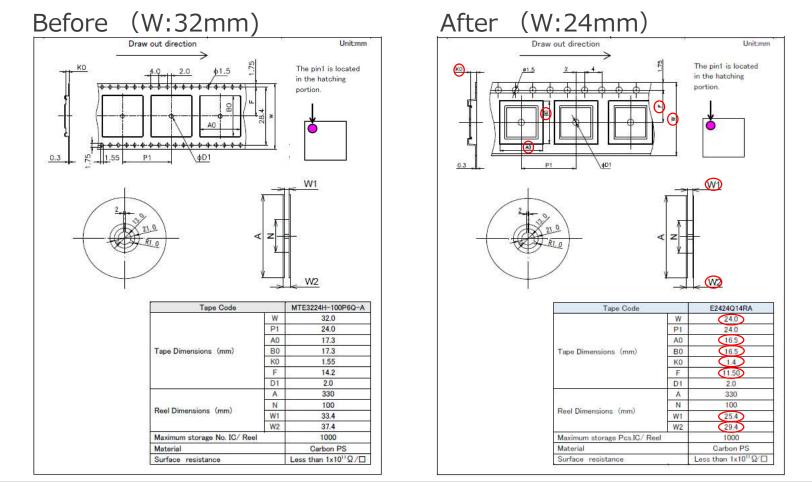
Packing material	Item	Before	After
	Taping code	MTE3224H-100P6Q-A	E2424Q14RA
Emboss tape	Sprocket hole	Both side	One side
	Tape width	32mm	24mm
	Tape thickness	0.3mm	0.3mm
	Cavity size	17.3x17.3	16.5x16.5
	Cavity depth	1.55mm	1.4mm
	Distance between cavity centers	24mm	24mm
	Material	PS	PS
Reel	Reel diameter	330mm	330mm
	Core diameter	100mm	100mm
	Reel width	For 32-mm width tape	For 24-mm width tape

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### 2. Difference of specification's detail (2)

Comparison of tape & reel dimension: 14mm x14mm Tape & Reel LQFP Tape & Reel packaging





### **3. 4M changing points** (Change of packing materials)

Item	Check result	Judgement
Machine	The same as current products.	No risk
Method	The same as current products.	No risk
Man	The same as current products.	No risk
Material	Only use certificated materials. It has been confirmed that this product is equivalent to the current product and has no problem.	No risk





