

## Product Change Notice (PCN)

**Subject:** Notice of change in 14x14mm 64pin LQFP Tape & reel Packing Components for R8C/36x

**Publication Date:** 4/23/2024

**Effective Date:** 8/1/2024

### Revision Description:

Initial Release

### Description of Change:

Applicable Products: R8C/36x Package dimensions 14x14mm 64pin LQFP

Detail content: The embossed tape width will be changed for the shipment of tape & reel.

Before change: 32 mm

After change: 24 mm

The cavity width, cavity depth, sprocket hole, dimension between sprocket hole and cavity center, reel width, and cover tape width will be changed due to the change in tape width.

### Affected Product List:

R5F21364CDFA#50	R5F21364CNFA#50	R5F21365CDFA#50	R5F21365CNFA#50
R5F21366CDFA#50	R5F21366CNFA#50	R5F21367CDFA#50	R5F21367CNFA#50
R5F21368CDFA#50	R5F21368CNFA#50	R5F2136ACDFA#50	R5F2136ACNFA#50
R5F2136CCDFA#50	R5F2136CCNFA#50	R5F21364MDFA#50	R5F21364MNFA#50
R5F21365MDFA#50	R5F21365MNFA#50	R5F21366MDFA#50	R5F21366MNFA#50
R5F21367MDFA#50	R5F21367MNFA#50	R5F21368MDFA#50	R5F21368MNFA#50
R5F2136AMDFA#50	R5F2136AMNFA#50	R5F2136CMDFA#50	R5F2136CMNFA#50
R5F21368SDFA#50	R5F21368SNFA#50	R5F2136ASDFA#50	R5F2136ASNFA#50
R5F2136CSDFA#50	R5F2136CSNFA#50		

### 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 impact

Outline of the embossed tape: Changed

### Product Identification:

Our production history data can be checked from packing label or trace code.

**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.**

# Appendix

## Difference of specification's detail (1)

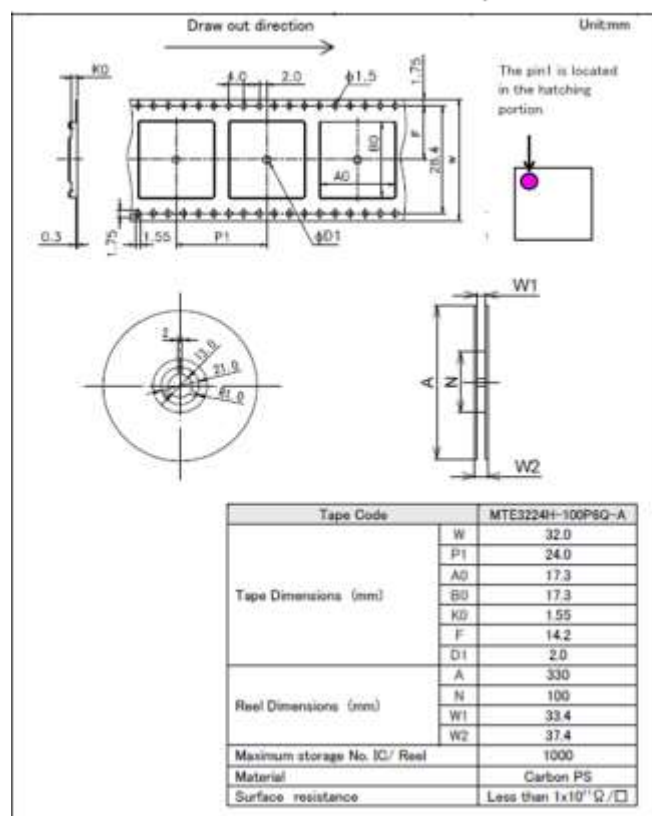
### Comparison of tape & reel material details: 14x14mm LQFP Tape & Reel packing

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

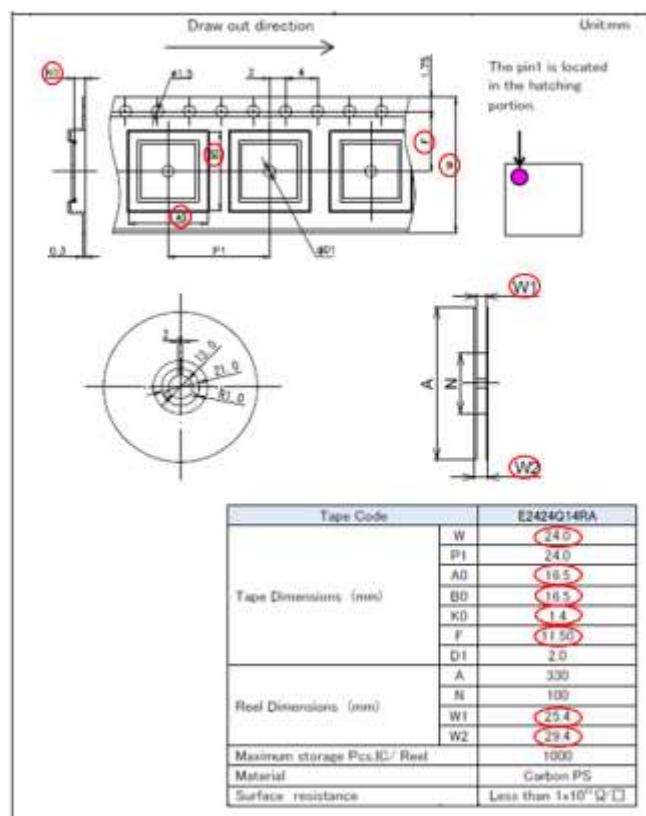
## Difference of specification's detail (2)

### Comparison of tape & reel dimension: 14mmx14mm LQFP Tape & Reel packing

Before (W:32mm)



After (W:24mm)



#### 4M changing points (Change of packing materials)

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