

PCN# : [EP2O-AC-24-0027]

PC-MCU-A025A/E

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

Subject: Notice of change in 14x14mm LQFP Tape & reel Packing Components for RL78/G23

Publication Date: 3/25/2024 Effective Date: 7/1/2024

## **Revision Description:**

Initial Release

### **Description of Change:**

Applicable Products: RL78/G23 Package dimensions 14x14mm 80pin LQFP

Target location (assembly and testing base): Renesas Semiconductor (Beijing) Co., Ltd. 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:

R7F100GMG2DFA#HA0	R7F100GMG3CFA#HA0	R7F100GMH2DFA#HA0	R7F100GMH3CFA#HA0
R7F100GMJ2DFA#HA0	R7F100GMJ3CFA#HA0		

## 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:**

The 24-mm width will be applied to products with the date "7/1/2024" or later 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.



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### Note:

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## **Overview**

Thank you for continuously using our products.

For RL78 microcomputer products, we change Tape & Reel packing 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: 32mm type	Embossed tape width 24 mm Reel type : 24mm type	Refer to page 5 to 6

※ There is no impact on reliability and specification

## 2. DIFFERENCE OF SPECIFICATION'S DETAIL (1)

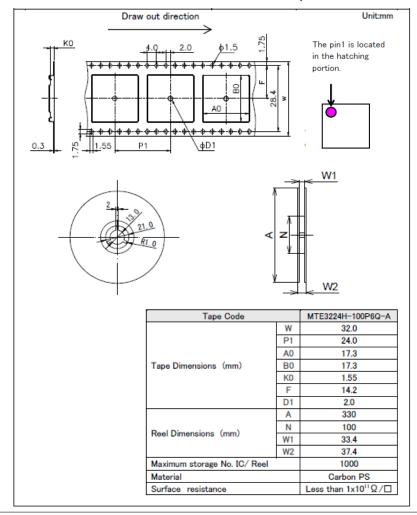
Comparison of tape & reel material details: 14x14mm LQFP Tape & Reel packing

Packing material	Item	Before	After
Emboss tape	Taping code	MTE3224H-100P6Q-A	E2424Q14RA
	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 tape width	For 24-mm tape width

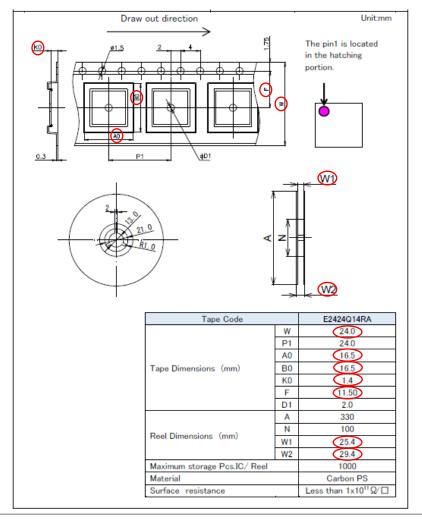
# 2. DIFFERENCE OF SPECIFICATION'S DETAIL (2)

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





## After (W:24mm)



# 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

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