

Product Change Notice (PCN)

Subject: Tape & reel packing change for R8C/3x & R8C/M13B LQFP 32pin & 48pin products

Publication Date: 4/23/2024

Effective Date: 8/1/2024

Revision Description:

Initial release.

Description of Change:

Applicable products: Package size 7x7mm tape & reel shipping products for R8C/3x & R8C/M13B LQFP
Packing change: Embossed tape storage quantity (1000pcs→2000pcs), reel size (254mm→330mm)
and packing box size and desiccant due to reel change.

Ordering P/N change: #50 → #51

For example) R5F2M131BDFP#50 → R5F2M131BDFP#51

Affected Product List:

R5F2M131BDFP#50	R5F2M131BNFP#50	R5F2M132BDFP#50	R5F2M132BNFP#50
R5F2M134BDFP#50	R5F2M134BNFP#50	R5F2M134BN309FP#50	R5F2M134BN310FP#50
R5F2M134BN311FP#50	R5F21331CDFP#50	R5F21331CNFP#50	R5F21332CDFP#50
R5F21332CNFP#50	R5F21334CDFP#50	R5F21334CNFP#50	R5F21335CDFP#50
R5F21335CNFP#50	R5F21336CDFP#50	R5F21336CNFP#50	R5F21334CD612FP#50
R5F21334CD629FP#50	R5F21334CD631FP#50	R5F21334CD634FP#50	R5F21334CD635FP#50
R5F21334CD644FP#50	R5F21335CY537FP#50	R5F21335CY603FP#50	R5F21335CY616FP#50
R5F21331DDFP#50	R5F21331DNFP#50	R5F21332DDFP#50	R5F21332DNFP#50
R5F21334DDFP#50	R5F21334DNFP#50	R5F21335DDFP#50	R5F21335DNFP#50
R5F21336DDFP#50	R5F21336DNFP#50	R5F21335DNC02FP#50	R5F21331MDFP#50
R5F21331MNFP#50	R5F21332MDFP#50	R5F21332MNFP#50	R5F21334MDFP#50
R5F21334MNFP#50	R5F21335MDFP#50	R5F21335MNFP#50	R5F21336MDFP#50
R5F21336MNFP#50	R5F21336MYFP#50	R5F21334TDFP#50	R5F21334TNFP#50
R5F21335TDFP#50	R5F21335TNFP#50	R5F21336TDFP#50	R5F21336TNFP#50
R5F21344CDFP#50	R5F21344CNFP#50	R5F21345CDFP#50	R5F21345CNFP#50
R5F21346CDFP#50	R5F21346CNFP#50	R5F21344MDFP#50	R5F21344MNFP#50
R5F21345MDFP#50	R5F21345MNFP#50	R5F21346MDFP#50	R5F21346MNFP#50
R5F21345MN515FP#50	R5F21345MN530FP#50	R5F21345MN532FP#50	R5F21345MN534FP#50
R5F21345MN536FP#50	R5F21345MN539FP#50		

Reason for Change:

Stable supply for R8C products.

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

No impact. We have a good track record with other products in the same package.

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 your 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: 7x7mm LQFP Tape & Reel packing

Packing material	Item	Before	After
Emboss tape	Taping code	E1612Q07RA	E1612Q07RA
	Sprocket hole	One side	One side
	Tape width	16mm	16mm
	Tape thickness	0.3mm	0.3mm
	Cavity size	9.5x9.5	9.5x9.5
	Cavity depth	1.4mm	1.4mm
	Distance between cavity centers	12mm	12mm
	Material	PS	PS
Reel	Reel diameter	254mm	330mm
	Core diameter	100mm	100mm
	Reel width	For 16-mm tape width	For 16-mm tape width
Desiccant			
Inner box	Length	288mm	347mm
	Width	273mm	368mm
	Height	48mm	54mm

Difference of specification's detail (2)

Comparison of tape & reel dimension: 7x7mm LQFP Tape & Reel packing

Before Reel diameter: $\phi 254\text{mm}$

Draw out direction →

Unit:mm

The pin is located in the hatching portion.

Tape Code	E1612Q07RA
Tape Dimensions (mm)	
W	16.0
P1	12.0
A0	9.5
B0	9.5
K0	1.40
F	7.50
D1	1.5
A	254
Reel Dimensions (mm)	
N	100
W1	17.4
W2	21.4
Maximum storage Pcs./JC/ Reel	1000
Material	Carbon PS
Surface resistance	Less than $1 \times 10^{11} \Omega/\square$

After Reel diameter: $\phi 330\text{mm}$

Draw out direction →

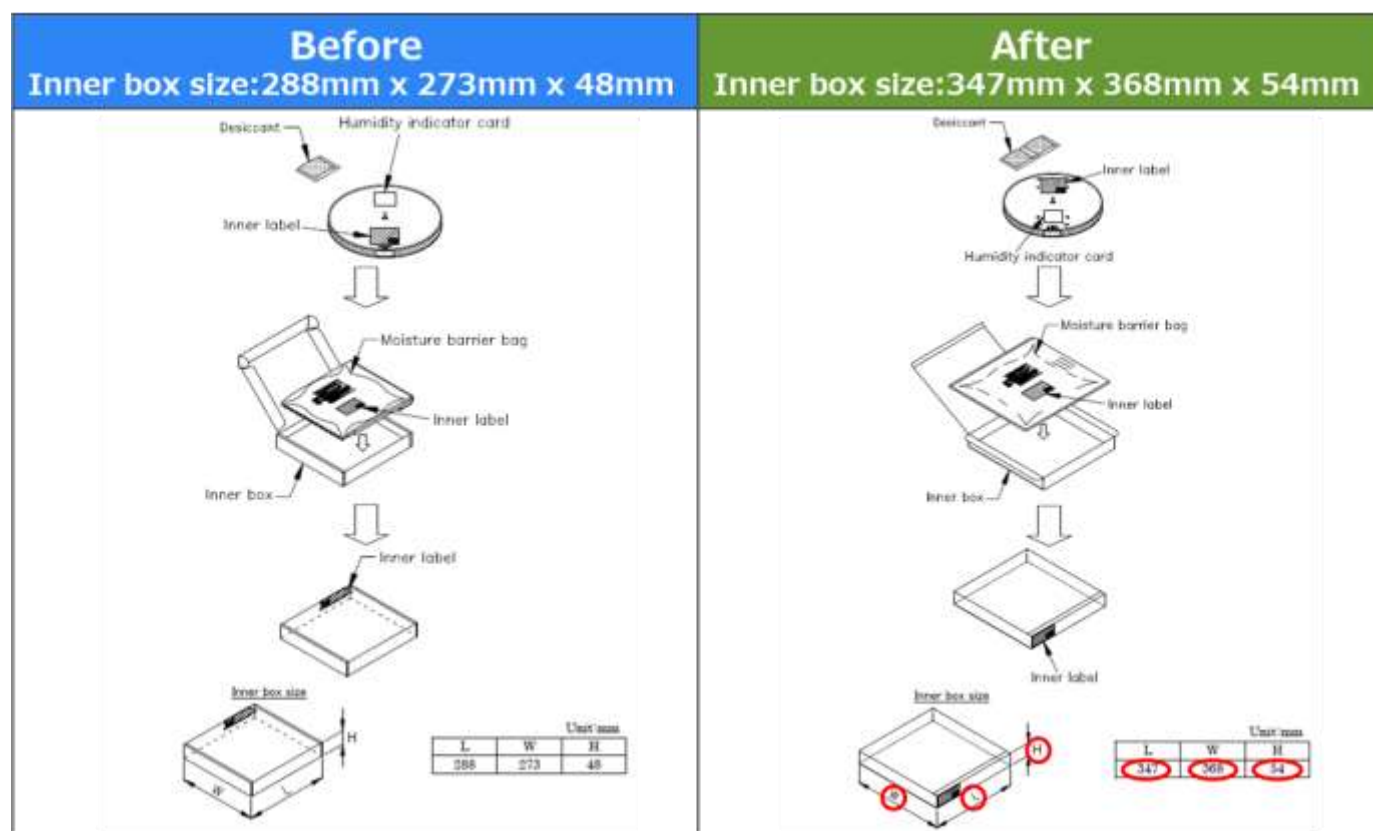
Unit:mm

The pin is located in the hatching portion.

Tape Code	E1612Q07RA
Tape Dimensions (mm)	
W	16.0
P1	12.0
A0	9.5
B0	9.5
K0	1.40
F	7.50
D1	1.5
A	330
Reel Dimensions (mm)	
N	100
W1	17.4
W2	21.4
Maximum storage Pcs./JC/ Reel	2000
Material	Carbon PS
Surface resistance	Less than $1 \times 10^{11} \Omega/\square$

Difference of specification's detail (3)

Comparison of Inner box dimension: 7x7mm LQFP Tape & Reel packing



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