

Product Change Notice (PCN)

Subject: Change of production factory and package drawing for RL78/I1D and I1E 32pin QFN products

Publication Date: 4/21/2026

Effective Date: 8/31/2026

Revision Description: Initial release

Description of Change:

- 1) Change of assembly and sorting factory.
- 2) Change of package drawing from HVQFN to HWQFN.

Product group: RL78/I1D, I1E

Target Package: 32pin HVQFN

Factory before the change: Renesas Semiconductor KL Sdn. Bhd. (RSKL)

Factory after the change: Renesas Semiconductor (Beijing) Co., Ltd. (Beijing)

Difference in specification:

Item		After	Before
Assembly factory		Beijing	RSKL
Sorting factory		Beijing	RSKL
Package	Drawing	HWQFN (Refer to Appendix for detail)	HVQFN (Refer to Appendix for detail)
Lead frame	Material	No change	
Die mount	Material	Ag epoxy paste B *	Ag epoxy paste A *
Bonding wire	Material	No change; Cu (Pd coating)	
Resin	Material	Epoxy resin B * (Halogen-free)	Epoxy resin A * (Halogen-free)
Plating	Material	No change	
Marking		There are differences (Refer to Appendix for detail)	
Packing	Tray	There are differences (Refer to Appendix for detail)	
	Tape & Reel	No change	
Storage conditions	After opening	30°C/60%RH/ within 168hr (JEDEC standard)	30°C/70%RH/ within 168hr

* Factory certified materials.

There are differences in materials, but there is no change in reliability or characteristics.

Affected Product List:

R5F117BAGNA#00	R5F117BAGNA#40	R5F117BAGNA#60	R5F117BAG***NA#40
R5F117BCGNA#00	R5F117BCGNA#40	R5F117BCGNA#60	R5F117BCG***NA#40
R5F11CBCGNA#00	R5F11CBCGNA#40	R5F11CBCGNA#60	R5F11CBCG***NA#40

“***” means ROM code

Reason for Change:

Stable production supply for the products.

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

Fit: No Impact

Form: Refer to Appendix for detail.

Function: No Impact

Quality: No Impact

Reliability: No Impact

Product Identification:

Our production history data can be queried by using the packing label or trace code of the product.

Qualification Status: Starts to become available from 7/1/2026.

Sample Availability Date: 7/31/2026 onward.

Sample acceptance deadline is at the end of May 2026.

PCN sample is a representative ES sample.

The ES sample has the same functionality as the mass-produced product and its sample is the representative (ROM/RAM capacity).

Device Material Declaration: Available upon request.

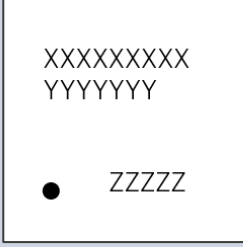
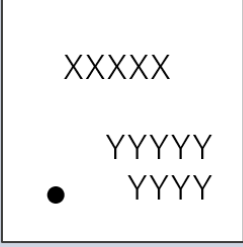
Note:

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.


Marking Specifications

Marking position, characters, and characters size are examples for reference.

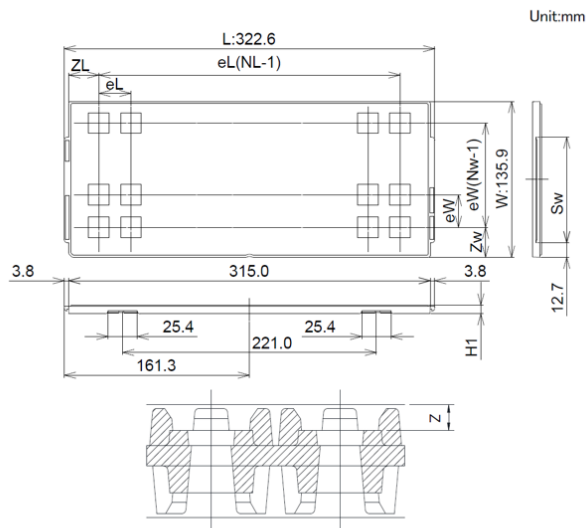
Assembly factory	Beijing (After)	RSKL (Before)
5×5mm 32pin Blank Products		
	9 characters: product name 7 characters: Lot No. 5 characters: Internal code	5 characters: product name 5 characters: Lot No. 4 characters: Lot No.

Marking Photo

Marking position and character is reference example.
The color varies depending on the shooting conditions.

Assembly factory	Beijing (After)	RSKL (Before)
Overall photo		

Dimension Comparison: Tray



Tray Code		After	Before
		EAM050501-10	TX QFN0505 0.85 1435 6 REV.E
Position dimension of cells	Z	1.75	1.60
	Zw	8.15	8.15
	ZL	7.90	7.90
	eW	9.20	9.20
	eL	8.80	8.80
	Sw	92.10	92.10
Thickness (mm)		H1	7.62
Number of cells		Nw	14
		NL	35
Maximum storage pcs IC/Tray			490
Maximum storage pcs IC/Inner box			3920
Material		Carbon PPE	Carbon PPE
Heat resistant temperature		135°C MAX	135°C MAX
JEDECorCustom		JEDEC	JEDEC
Surface resistance		Less than $1 \times 10^{11} \Omega / \square$	Less than $1 \times 10^{11} \Omega / \square$

4M changing points

(Change of assembly and sorting factory, Change of material)

Item	Check Result	Judgement
Machine	The machines are equivalent to present machines.	No risk
Method	The same as current products.	No risk
Man	Using operator certification system. Only certificated operator can work for the production.	No risk
Material	Only use certificated materials. The products has been certificated by reliability test same as existing products and have no risk.	No risk