

Product Change Notice (PCN)

Subject: Assembly materials change for RL78 family LQFP package products.

Publication Date: 1/20/2022

Effective Date: 6/30/2022

Revision Description:

Initial release.

Description of Change:

PKG type		Products group				
		G13	G14	G1K	L12	L13
LQFP	12x12mm 64pin	√	√	√	√	√

Inner tape design change of lead frame in Renesas Semiconductor KL Sdn. Bhd. (RSKL)

“Refer to the difference specification for details.”

MCP-AB-22-0011_RL78_LQFP_Difference specification_1212 64pin RSKL_LF

Affected Product List:

Refer to attached file “PN_list_RL78_LQFP_1212 64pin RSKL LF”.

Reason for Change:

Stable supply for RL78 series LQFP products.

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

No impact.

Product Identification:

Possible to confirm the production history data from the packing label or trace code.

Qualification Status: We will prepare by 6/30/2022.

Sample Availability Date: 6/30/2022

Device Material Declaration: Contact Renesas sales, distributor, or agency.

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.

Booking PN	Package	Group	Inner tape design change	Applicable difference document
R5F10WLF00FA#30	12mm x 12mm 64pin	RL78/L13	Y	Difference specification_1212 64pin RSKL_LF
R5F10WLG0FA#10	12mm x 12mm 64pin	RL78/L13	Y	Difference specification_1212 64pin RSKL_LF
R5F10WLG0FA#30	12mm x 12mm 64pin	RL78/L13	Y	Difference specification_1212 64pin RSKL_LF
R5F10WLG0FA#50	12mm x 12mm 64pin	RL78/L13	Y	Difference specification_1212 64pin RSKL_LF
R5F11VLG0FA#10	12mm x 12mm 64pin	RL78/G1K	Y	Difference specification_1212 64pin RSKL_LF
R5F11VLG0FA#30	12mm x 12mm 64pin	RL78/G1K	Y	Difference specification_1212 64pin RSKL_LF
R5F11VLG0FA#50	12mm x 12mm 64pin	RL78/G1K	Y	Difference specification_1212 64pin RSKL_LF

Difference of specification (RL78 family LQFP products) 12x12mm 0.65mm pitch 64pin

Assembly factory: RSKL

January 20, 2022

MCU PRODUCT MARKETING DEPARTMENT
MCU DEVICE SOLUTION BUSINESS DIVISION
IoT AND INFRASTRUCTURE BUSINESS UNIT
RENESAS ELECTRONICS CO., LTD.

Ver.1.0

MCP-AB-22-0011
PC-MCU-A002A/E

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Difference outline

- Assembly factory:
Renesas Semiconductor KL Sdn. Bhd. (RSKL)

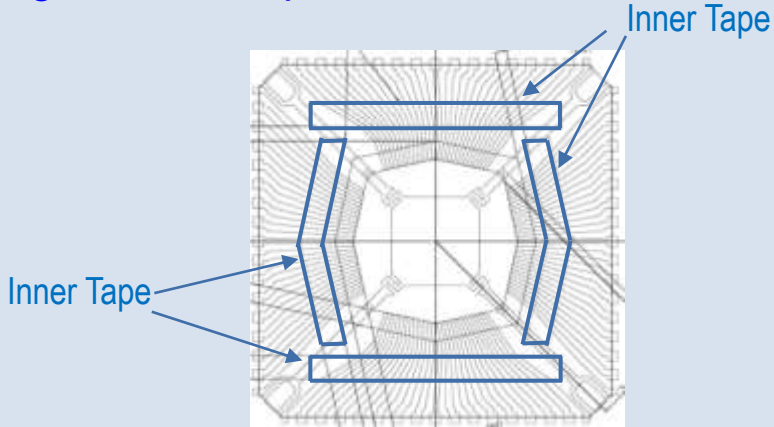
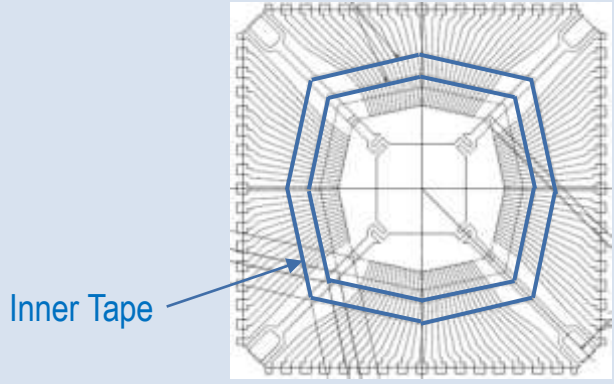
- Package outline:
12mm x 12mm 0.65mm pitch 64pin LQFP

- Difference point
Assembly material: Inner tape design of lead frame
 - Specification and characteristics of product:
No change
 - Quality and reliability
No change

Difference of specification

Item		New	Current
Assembly factory		RSKL	
Sorting factory		RSKL	
Package	Outline	No difference	
Lead frame	Inner tape design	There is difference (Refer to page 5)	
	Material	No difference	
	Inner lead design	No difference	
Die mount	Material	No difference	
Bonding wire	Material	No difference	
Mold resin	Material	No difference	
Plating	Material	No difference	
Marking	Font	No difference	
	Digit number	No difference	

DETAIL OF DIFFERENCE POINT

Difference Point	New	Current
Inner Tape Design	<p>Segmented Shape</p>  <p>Inner Tape</p>	<p>Ring Shape</p>  <p>Inner Tape</p>

4M change points (Inner tape design change product application)

Item	Check Result	Judgement
Machine	There is no difference.	No risk
Method	There is no difference.	No risk
Operator	Adopt 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

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