

Product Change Notice (PCN)

Subject: RL78/G1C LQFP wire change

Publication Date: 4/25/2024

Effective Date: 8/15/2024

Revision Description:

Initial release

Description of Change:

Change affected package: RL78/G1C 7x7mm 32pin

Material change

Bonding wire: Change from Au wire to Cu wire

Packing unit change

Tray packing unit: Change from fraction to full carton “7x7mm: 2,000 pcs.”

Ordering part number change

#V0→#10 [Tray shipment: Cu wire & Full carton]

R5F10JGCAFB#V0 → R5F10JGCAFB#10

#X0→#50 [Tape & reel shipment: Cu wire]

R5F10KBCGFP#X0 → R5F10KBCGFP#50

Affected Product List:

R5F10JBCAFP#V0	R5F10JBCAFP#X0	R5F10JBCGFP#V0	R5F10JBCGFP#X0
R5F10KBCAFP#V0	R5F10KBCAFP#X0	R5F10KBCGFP#V0	R5F10KBCGFP#X0
R5F10KBCGG00FP#X0	R5F10KBCGG01FP#X0		

Reason for Change:

Change material for the purpose of stable supply.

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

No impact

Product Identification:

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

Qualification Status: Please contact your Renesas sales representative.

Sample Availability Date: 7/1/2024

Device Material Declaration: Please contact your Renesas sales representative.

- 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

4M changing points “wire material change [Au→Cu]”

Items	Check Result	Check Result
Machine	Cu wire products are produced by equivalent machine applied the Au wire. To prevent Cu wire oxidization, inert gas is used to wire bonding process. There are production of similar Cu wire products and we have already checked the additional products have no risk on the production.	No risk
Method	Bonding method (thermosonic bonding) and process flow for the Cu wiring are same as the Au wiring.	No risk
Man	Using operator certification system. Only certificated operator can work for the production.	No risk
Material	Using only certificated the Cu wire. The products have been certificated by reliability test same as Au wire products and have no risk.	No risk