

Product Change Notice (PCN)

Subject: RL78/G1A, G1C LFQFP wire change and packing unit change

Publication Date: 6/10/2024

Effective Date: 9/30/2024

Revision Description:

Initial release

Description of Change:

Change affected package: RL78/G1A 7x7mm 48pin, 10x10mm 64pin, RL78/G1C 7x7mm 48pin.

Material change

Bonding wire: Change from Au wire to Cu wire

Packing unit change

Tray packing unit: Change from fraction to full carton “48pin: 2,000 pcs., 64pin: 1,280 pcs.”

Tape & reel packing unit: Change from 1,000 pcs. to 1,500 pcs. for 64pin. (no change for 48pin)

Ordering part number change

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

R5F10EGAAFB#V0 → R5F10EGAAFB#10

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

R5F10KGCGB#X0 → R5F10KGCGB#50

Product Longevity Program

Regarding the duration date of the PLP (Product Longevity Program), it will be transferred to the new part number by the end of this year.

Discontinuation will be announced for current part number accordingly.

Affected Product List:

R5F10EGAAFB#V0	R5F10EGAAFB#X0	R5F10EGAGFB#V0	R5F10EGAGFB#X0
R5F10EGCAFB#V0	R5F10EGCAFB#X0	R5F10EGCGFB#V0	R5F10EGCGFB#X0
R5F10EGDAFB#V0	R5F10EGDAFB#X0	R5F10EGDGFB#V0	R5F10EGDGFB#X0
R5F10EGEAFB#V0	R5F10EGEAFB#X0	R5F10EGEGFB#V0	R5F10EGEGFB#X0
R5F10ELCAFB#V0	R5F10ELCAFB#X0	R5F10ELCGFB#V0	R5F10ELCGFB#X0
R5F10ELDAFB#V0	R5F10ELDAFB#X0	R5F10ELDGFB#V0	R5F10ELDGFB#X0
R5F10ELEAFB#V0	R5F10ELEAFB#X0	R5F10ELEGFB#V0	R5F10ELEGFB#X0
R5F10JGCAFB#V0	R5F10JGCAFB#X0	R5F10JGCGFB#V0	R5F10JGCGFB#X0
R5F10KGCAFB#V0	R5F10KGCAFB#X0	R5F10KGCGB#V0	R5F10KGCGB#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: 8/30/2024

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, Fields of application and Wafer process).

Differences from MP products: The sorting place is different (the test program is the same).

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