

Product Change Notice

(PCN Tracking Number: EE-QR-240426-01)

Version: 1

Customer:	ALL Customers
Renesas Product Type:	RL78/G1C 7x7mm 32pin (full list on page 2)
Description of Change:	<p>Bonding wire change from Au wire to Cu wire</p> <p>Packing unit change: Tray packing unit: Change from fraction to full carton "7x7mm: 2,000 pcs."</p> <p>Ordering part number change: #V0→#10 [tray shipment: Cu wire & Full carton] e.g. R5F10JGCAFB#V0 → R5F10JGCAFB#10 #X0→#50 [tape & reel shipment: Cu wire] e.g. R5F10KBCGFP#X0 → R5F10KBCGFP#50</p>
Reason for Change:	To ensure stable supply
Identification:	Identifiable thru production history data via trace code or packaging label
Schedules:	<p>Sample order: e/o Jun.2024</p> <p>Sample delivery: b/o Jul. 2024 (upon request)</p> <p>Qualification test report: e/o Jun.2024 (upon request)</p> <p>Requested approval: e/o Jul. 2024</p> <p>Change Implementation: m/o Aug.2024 onwards</p>
Anticipated Impact:	<p>Fit, Form & Function: No impact</p> <p>Quality & Reliability: No impact</p>
Doc. No.:	EE-QC-PCN-CR-24-0047
Internal Reference:	EP20-AC-24-0039

In case of any question, please contact:

INITIATOR	TITLE	E-mail	PHONE No.
Farhad Banihashemi	Staff Engineer	farhad.banihashemi@renesas.com	+49-211-6503-1844

Düsseldorf, 26.05.2024

Customer Response:

(please fill in and return by e-mail, fax or mail)

☐ acknowledge Company: _____
☐ acceptable
☐ unacceptable (pls. comment) Name & Position: _____
☐ not applicable Phone / Fax No.: _____

Note: Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN in which to make any objections to the 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. If customer cannot accept the PCN, they must provide Renesas with a last time buy demand and purchase order.

Comments:

(Signature)

Change Details:

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

Product List:

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