

Product Change Notice (PCN)

Subject: RZ/V2H Product Mask Revision Change

Publication Date: 3/17/2025

Effective Date: 6/2/2025

Revision Description:

Initial Release

Description of Change:

1. Fix the DDR write access issue informed by the technical update TN-RZ*A0138A/E
2. Optimization of CRU electrical characteristics

No	Before Mask Revision	After Mask Revision
1	LPDDR4/4X Use of the ECC function is prohibited. Enabling the Data Mask Disable function is mandatory.	LPDDR4/4X Use of the ECC function is unrestricted. Enabling the Data Mask Disable function is not mandatory.
2	CRU register setting B_DPHYCTL_MSB.B_DPHYCTL[40] 0: 1.5Gbps/lane or less 1: Beyond 1.5Gbps/lane to 2.1Gbps/lane	CRU register setting B_DPHYCTL_MSB.B_DPHYCTL[40]=0 Set to 0 (initial value), regardless of speed.

The mask revision will be implemented for the bug fix and optimization of electrical characteristics as mentioned above. Production of products with the previous mask version is planned to be discontinued. The revised products will be available from June 2025. We kindly request that Customer transition to the revised products. Please review the changes and, based on your judgment, make the necessary software modifications and evaluations.

Affected Product List:

Product Series	Booking Part Number		Mask Revision	
	Before Mask Revision	After Mask Revision	Before	After
RZ/V2H	R9A09G057H41GBG#AC0	R9A09G057H41GBG#AC1	V1	V2
	R9A09G057H41GBG#BC0	R9A09G057H41GBG#BC1	V1	V2
	R9A09G057H42GBG#AC0	R9A09G057H42GBG#AC1	V1	V2
	R9A09G057H42GBG#BC0	R9A09G057H42GBG#BC1	V1	V2
	R9A09G057H44GBG#AC0	R9A09G057H44GBG#AC1	V1	V2
	R9A09G057H44GBG#BC0	R9A09G057H44GBG#BC1	V1	V2
	R9A09G057H45GBG#AC0	R9A09G057H45GBG#AC1	V1	V2
	R9A09G057H45GBG#BC0	R9A09G057H45GBG#BC1	V1	V2
	R9A09G057H46GBG#AC0	R9A09G057H46GBG#AC1	V1	V2
	R9A09G057H46GBG#BC0	R9A09G057H46GBG#BC1	V1	V2
	R9A09G057H48GBG#AC0	R9A09G057H48GBG#AC1	V1	V2
	R9A09G057H48GBG#BC0	R9A09G057H48GBG#BC1	V1	V2

Reason for Change:

Fixing the DDR write access issue and optimizing the electrical characteristics of CRU.

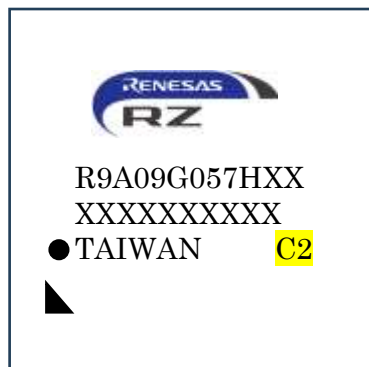
Impact on Fit, Form, Function, Quality & Reliability:

Fit, Form, Quality & Reliability: None

Function: The functions described in the “Description of Change” section are modified.

Product Identification:

Changed products can be identified by the revision number ‘C2’ marked on the package or by reading the value from the LSI Device ID register. Additionally, for the changed products, the last digit of the booking part number will be changed from 0 to 1.



Qualification Status: N/A

Sample Availability Date: Now Available

Device Material Declaration: N/A

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.