

Product Change Notice (PCN)

Subject: Add ASEC, Taiwan as Alternate Test Location

Publication Date: 2/27/2025

Effective Date: 5/26/2025

Revision Description:

Initial Release

Description of Change:

Renesas is adding ASEC, Taiwan as an alternate Test Location for the select part# that is currently tested at REPG, Malaysia.

This change will allow flexibility to ship from either facility and will provide increased capacity, flexibility and shorter lead time to meet market demand. There is no change in the Test processing flows, tester, load boards and test programs are the same at all the qualified facilities. Renesas has completed the electrical test correlation and based on the test results we do not anticipate any impact on device performance. The testing is fully compatible and transferable between the two test facilities with no change to the test coverage.

Affected Product List: RG5R364B0C0GBY#BC0, RG5R364B0C0GBY#HC0

Reason for Change:

To provide increased capacity.

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

The change has no impact on the form, fit, function, quality, reliability and environmental compliance of the product.

Product Identification:

Traceability to the test location is available on request.

Qualification Status: Electrical characterization completed successfully. Refer Appendix A

Sample Availability Date: 2/1/2025

Device Material Declaration: Not applicable

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 idt-pcn@lm.renesas.com

Appendix A - Electrical Test Characterization Results

Qual Vehicle: RG5R364B0C0GBY

Sample size: 1020 electrically good units tested by handler
10 reject units tested by handler

Descriptions	Existing Test (REPG, Malaysia)	Alternate Test (ASEC, Taiwan)
Tester Platform	Advantest V93K (PS9G)	Advantest V93K (PS9G)
Loadboard	GC_Quad_FT1_Epson GC_Quad_FT2_Epson	GC_Quad_FT1_Epson GC_Quad_FT2_Epson
Test Program	FT1_RG5R364B0_GC_SYN AX_ROOM_REV06 FT2_RG5R364B0_GC_SYN AX_HOT_REV06	FT1_RG5R364B0_GC_SYN AX_ROOM_REV06 FT2_RG5R364B0_GC_SYN AX_HOT_REV06
Test Site	4 4	4 4
Test Temperature (FT1, FT2)	25 °C 100 °C	25 °C 100 °C
Test Correlation Results	100%	100%
Number of Good Units	1020 units	1020 units
1020 good units datalog correlation	Passed	Passed
Number of Loop Test	10	10
Number of Reject Units	10 units	10 units
10 reject units datalog correlation	Passed	Passed