

Product Change Notice (PCN)

Subject: Add ASEK, Taiwan as Alternate Test Location

Publication Date: 7/1/2024

Effective Date: 9/30/2024

Revision Description:

Initial Release

Description of Change:

Renesas is adding ASEK, 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 transferrable between the two test facilities with no change to the test coverage.

Affected Product List: RG5D188C1AIGBX#HCO

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: 7/1/2024

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: RG5D188C1AIGBX#HC0

Sample size: 2013 electrically good units tested by handler
 10 reject units tested by handler

Descriptions	Existing Test (REPG, Malaysia)	Alternate Test (ASEK, Taiwan)
Tester Platform	Advantest V93K (PSSL / PS9G)	Advantest V93K (PSSL / PS9G)
Loadboard	HNC1_Quad_FT1_Epson HNC1_Octal_FT2_Epson	HNC1_Quad_FT1_Epson HNC1_Octal_FT2_Epson
Test Program	HNC1_QUAD_SYNTAX_FT1_ REVxx HNC1_OCTAL_SYNTAX_FT2_ REVxx	HNC1_QUAD_SYNTAX_FT1_ REVxx HNC1_OCTAL_SYNTAX_FT2_ REVxx
Test Site	4	4
Test Temperature (FT1, FT2)	100 °C 100 °C	100 °C 100 °C
Test Correlation Results	100%	100%
Number of Good Units	2013 units	2013 units
2013 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