

## Product Change Notice (PCN)

**Subject:** Add ASEC, Taiwan as Alternate Test Location

**Publication Date:** 5/1/2023

**Effective Date:** 8/1/2023

**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 facilities and will provide the increased capacity, flexibility and shorter lead time to meet market demand. There is no change in the Test processing flows. 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 test facilities with no change to the test coverage.

**Affected Product List:** 5RCD0148HC3AVG, 5RCD0148HC3AVG8

**Reason for Change:**

To provide increased capacity.

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

The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the products.

**Product Identification:**

Traceability to the test location is available on request.

**Qualification Status:** Electrical characterization completed successfully. Refer Appendix A

**Sample Availability Date:** 3/21/2023

**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](mailto:idt-pcn@lm.renesas.com)

**Appendix A - Electrical Test Characterization Results**
**Qual Vehicle:** 5RCD0148HC3AVG

**Sample size:** 1000 electrically good units tested by handler  
 20 reject units tested by handler

Descriptions	Existing Test (REPG, Malaysia)	Alternate Test (ASEC, Taiwan)
Tester Platform	PS9G	PS9G
Loadboard	5RCD0148HC3-AVG240- PS9G-SYNAX	5RCD0148HC3-AVG240- PS9G-SYNAX
Test Program	CK_PGC3_FT1_SYNAX CK_PGC3_FT2_SYNAX	CK_PGC3_FT1_SYNAX CK_PGC3_FT2_SYNAX
Test Site	4	4
Test Temperature	25 °C 100 °C	25 °C 100 °C
Test Correlation Results	100%	100%
Number of Good Units	1000 units	1000 units
1000 good units datalog correlation	Passed	Passed
Number of Loop Test	1	1
Number of Reject Units	20 units	20 units
20 reject units datalog correlation	Passed	Passed