

Product Change Notice (PCN)

Subject: Add Carsem, Malaysia as an Alternate Test Location

Publication Date: 12/7/2021

Effective Date: 3/7/2022

Revision Description:

Initial Release

Description of Change:

Renesas is adding Carsem, Malaysia 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 the increased capacity, 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 both 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: F1455NKGK, F1455NKGK8.

Reason for Change:

To provide increased capacity and second source.

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: 12/15/2021

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 Characterization Results

Qual Vehicle: F1455NKGK

Sample size: 1470 electrically good units tested by handler

4 good and 3 reject units tested by manual test (hand test)

Descriptions	Existing Test (REPG, Malaysia)	Alternate Test (Carsem, Malaysia)
Tester Platform	J750	Aemulus
Loadboard	J750 Loadboard	Aemulus Loadboard
Test Program	F1455_FT	F1455_FT
Test Site	Quad Site	Quad Site
Test Temperature	25°C	25°C
Test Correlation Results	PASS	PASS