

Product Change Notice (PCN)

Subject: Add Renesas, Kulim-Malaysia as Alternate Final Test Location

Publication Date: 1/22/2025

Effective Date: 4/21/2025

Revision Description:

Initial Release

Description of Change:

Renesas located in Kulim, Malaysia is added as an alternate Final Test Location for the select part# that are currently tested at Renesas Penang, Malaysia. Both Renesas Kulim and Renesas Penang are owned by Renesas and are the mature Test facilities. This change will allow flexibility to test from either facility and will provide increased capacity, flexibility and shorter lead time to meet market demand. Test processing flows and test programs are the same at the two facilities. Electrical test correlation has been completed 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 facilities with no change to the test coverage.

Affected Product List: Appendix B

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: 1/22/2025

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: 8P79818NLGI

Sample size: 1000 electrically good units tested by handler
3 reject units tested by handler

Descriptions	Existing Test (Renesas Penang, Malaysia)	Alternate Test (Renesas Kulim, Malaysia)
Tester Platform	NEXTEST MAVERICK II PT	NEXTEST MAVERICK II PT
Loadboard	MF-DB8P391208K	MF-DB8P391208K
Test Program	8P79818_R1.0	8P79818_R1.0
Test Site	1	1
Test Temperature	25 °C	25 °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	10	10
Number of Reject Units	3 units	3 units
3 reject units datalog correlation	Passed	Passed

Appendix B – Affected Product List

813N252DKI-02LF	8413S12BKILFT	8535AG-31LF	853S12AKILFT
813N252DKI-02LFT	841S01CGLF	8535AG-31LF-ACT	8P791208NLGI
83026BMI-01LF	841S01CGLFT	8535AG-31LFT	8P791208NLGI/W
83026BMI-01LFT	8430S10BYI-03LF	8535AG-31LFT-ACT	8P791208NLGI8
83026BMI-SAMLF	8430S10BYI-03LFT	853S006AGILF	8V41N012ANLGI
83026BMI-SAMLFT	843N571BKILF	853S006AGILFT	8V41N012ANLGI8
830S21AMILF	843N571BKILFT	853S011BGILF	8V89308ANLGI
830S21AMILFT	850S1201BGILF	853S011BGILFT	8V89308ANLGI8
8413S08BKILF	850S1201BGILFT	853S057AGILF	
8413S08BKILFT	85314BGI-01LF	853S057AGILFT	
8413S12BKILF	85314BGI-01LFT	853S12AKILF	