

## Product Change Notice (PCN)

**Subject:** Alternate test facility of the Listed Renesas QFN AND TQFN packaged products

**Publication Date:** 05/13/2021

**Effective Date:** 8/11/2022

**Revision Description:**

Initial Release

**Description of Changes:**

Alternate test facility of the Listed Renesas QFN and TQFN packaged products

- *Renesas Electronics (Penang) Sdn, Bhd. Malaysia (REPG)*

**Reason for Change:**

This notice is to inform you that Renesas will begin using Renesas Electronics (Penang) Sdn. Bhd., Malaysia (REPG) facility as an alternate test facility of the Listed Renesas QFN (Quad Flat No Lead) and TQFN (Thin Quad Flat No Lead) Package.

REPG is one of the Renesas's internal factory for high volume manufacturing testing. REPG is ISO9001:2015 and IATF16949:2016 certified. This action will expand current capabilities and capacities to optimize Renesas's ability to meet customer's delivery requirements.

**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 devices Renesas supplied test software and product specific hardware were used at REPG.

- The test equipment validation involved the testing of control units and a correlation lot of RAA2260544GNP\* at current and new test site (REPG) respectively.
  - Control units were tested at the current test site and retested at REPG. Their performance were recorded and the results were analyzed to validate the setup.
  - Continuous monitoring and comparison of the data from lots processed at both sites were completed by the responsible product engineer.
- The visual / mechanical inspection, tape & reel operations are compliance to JEDEC industry standards.

**Product Identification:**

Product affected by this change is identifiable via Renesas's internal traceability system.

**Qualification status:** Completed, see attached

**Sample availability:** 6/15/2022

**Device material declaration:** Available upon request

Note : Sample is available June 15, 2022 onwards, and subject to availability. Customer may expect 1 – 2 months for sample replenishment.

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas within 30 days of the publication date.

| For additional information regarding this notice, please contact your regional change coordinator (below) |  |   |  |
|---|--|---|--|
| Americas: <a href="mailto:PCN-US@RENESAS.COM">PCN-US@RENESAS.COM</a>                                      | Europe: <a href="mailto:PCN-EU@RENESAS.COM">PCN-EU@RENESAS.COM</a> | Japan: <a href="mailto:PCN-JP@RENESAS.COM">PCN-JP@RENESAS.COM</a> | Asia Pac: <a href="mailto:PCN-APAC@RENESAS.COM">PCN-APAC@RENESAS.COM</a> |

**Appendix A : Affected Product List**

**Affected Device List**

|                     |                     |                     |                     |                      |
|---------------------|---------------------|---------------------|---------------------|----------------------|
| ISL68223IRAZ-T      | ISL69227IRAZ-T7A    | ISL69242IRCZ-TR5834 | ISL69247IRAZ-TR5820 | RAA2260544S02GNP#HA0 |
| ISL68223IRAZ-T7A    | ISL69227IRAZ-TR5913 | ISL69243IRAZ-T      | ISL69247IRAZ-TR5957 | RAA228000GNP#HA0     |
| ISL68223IRAZ-TR5997 | ISL69227IRAZ-TS2568 | ISL69243IRAZ-T7A    | ISL69247IRAZ-TR5997 | RAA228000GNP#MA0     |
| ISL68223IRCZ-TR5834 | ISL69228IRAZ-T      | ISL69243IRAZ-TR5957 | ISL69247IRBZ-TR5819 | RAA228000R04GNP#HA0  |
| ISL68233IRAZ-T      | ISL69228IRAZ-T7A    | ISL69243IRBZ-TR5819 | ISL69247IRCZ-TR5828 | RAA228000R1TGNP#HA0  |
| ISL69225IRAZ-TR5957 | ISL69228IRAZ-TR5911 | ISL69243IRBZ-TR5954 | ISL69247IRCZ-TR5834 | RAA228004GNP#HA0     |
| ISL69225IRBZ-TR5819 | ISL69242IRAZ-T      | ISL69243IRCZ-TR5868 | ISL69247IRCZ-TR5868 | RAA228004GNP#MA0     |
| ISL69225IRBZ-TR5954 | ISL69242IRAZ-T7A    | ISL69243IRCZ-TR5870 | ISL69247IRCZ-TR5870 | RAA228004R0JGNP#HA0  |
| ISL69225IREZ-TR5868 | ISL69242IRAZ-TR5820 | ISL69247IRAZ-T      | ISL69247IRCZ-TR5954 | RAA228004R0NGNP#HA0  |
| ISL69227IRAZ-T      | ISL69242IRAZ-TR5997 | ISL69247IRAZ-T7A    | RAA2260544GNP#HA0   |                      |