

## Product Change Notice (PCN)

**Subject:** Alternate test facility of Renesas ISL6812x\*, ISL6813x\*, ISL6912x\*, ISL6913x\*, ISL6914x\* series product

**Publication Date:** 12/4/2018

**Effective Date:** 3/4/2019

### Description of Change:

Alternate test facility of the Listed Renesas QFN / TQFN Packaged Products

- UNISEM (M) Berhad, Malaysia (UNM)

### Revision Description:

**Revision A :** -Updated the list of affected products contained in notice PCN18029 that was issued on Nov 21, 2018. The content of the original notice, PCN18029 with the updated product list is included for reference.

Product **added** to PCN18029 :

#### Affected Product List

ISL68124IRAZ	<b>ISL68134IRAZ-T7A</b>	ISL69124IRCZ-TR5687	ISL69133IRAZT7AR5693	ISL69138IRAZ-TR5693
ISL68124IRAZ-T	<b>ISL68134IRAZ-TR5845</b>	ISL69124IRDZ-TR5687	ISL69134IRAZ	ISL69138IRAZ-TR5808
ISL68124IRAZ-T7A	ISL68137IRAZ	ISL69125IRCZ-TR5687	ISL69134IRAZ-T	ISL69138IRAZT7AR5693
ISL68124IRAZ-TR5776	ISL68137IRAZ-T	ISL69125IRDZ-TR5687	ISL69134IRAZ-T7A	ISL69138IRAZT7AR5808
ISL68127IRAZ	ISL68137IRAZ-T7A	<b>ISL69127IRAZ</b>	ISL69134IRAZ-TR5695	ISL69144IRAZ
ISL68127IRAZ-T	ISL68137IRAZ-TR5741	<b>ISL69127IRAZ-T</b>	ISL69134IRAZ-TR5827	ISL69144IRAZ-T
ISL68127IRAZ-T7A	ISL68137IRAZ-TR5781	<b>ISL69127IRAZ-T7A</b>	ISL69137IRAZ	ISL69144IRAZ-T7A
ISL68127IRAZ-TR5776	ISL68137IRAZT7AR5781	<b>ISL69127IRAZ-TR5733</b>	ISL69137IRAZ-T	ISL69144IRAZ-TR5744
ISL68127IRAZ-TR5778	<b>ISL68137IRBZ-TR5781</b>	<b>ISL69127IRAZ-TR5737</b>	ISL69137IRAZ-T7A	ISL69147IRAZ
ISL68127IRAZ-TR5797	<b>ISL68137IRBZT7AR5781</b>	<b>ISL69127IRAZ-TR5738</b>	ISL69137IRAZ-TR5762	ISL69147IRAZ-T
ISL68127IRAZ-TR5823	<b>ISL69124IRAZ</b>	ISL69129IRCZ-TR5687	ISL69137IRAZ-TR5773	ISL69147IRAZ-T7A
ISL68127IRAZT7AR5823	<b>ISL69124IRAZ-T</b>	ISL69129IRDZ-TR5687	ISL69137IRAZ-TR5810	ISL69147IRAZ-TR5744
ISL68127IRBZ-TR5761	<b>ISL69124IRAZ-T7A</b>	ISL69133IRAZ	ISL69137IRAZT7AR5759	
ISL68127IRBZT7AR5761	<b>ISL69124IRAZ-TR5733</b>	ISL69133IRAZ-T	ISL69138IRAZ	
<b>ISL68134IRAZ</b>	<b>ISL69124IRAZ-TR5738</b>	ISL69133IRAZ-T7A	ISL69138IRAZ-T	
<b>ISL68134IRAZ-T</b>	ISL69124IRBZT7AR5693	ISL69133IRAZ-TR5693	ISL69138IRAZ-T7A	

### Reason for Change:

This notice is to inform you that Renesas will begin using Unisem (UNM) facility as alternate test facility of the Listed Renesas QFN (Quad Flat No Leads) and TQFN (Thin Quad Flat No Leads) packaged products. UNM is an existing test supplier for Renesas. This action will expand current capabilities and capacities to optimize Renesas's ability to meet customer's delivery requirements. The UNM facility is ISO9001:2015 and IATF 16949:2016 certified. UNM is qualified as primary supplier to Renesas for high volume test of QFN and TQFN packaged products.

**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 UNM.
- The test equipment validation involved the testing of control units and a correlation lot of ISL69129IRDZ-TR5687 at current and new test site (UNM) respectively.
  - Control units were tested at the current test site and retested at UNM. 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:** Not applicable

**Sample availability:** 12/4/2018

**Device material declaration:** Available upon request

*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@RENEASAS.COM">PCN-US@RENEASAS.COM</a>	Europe: <a href="mailto:PCN-EU@RENEASAS.COM">PCN-EU@RENEASAS.COM</a>	Japan: <a href="mailto:PCN-JP@RENEASAS.COM">PCN-JP@RENEASAS.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@RENEASAS.COM">PCN-APAC@RENEASAS.COM</a>