

## Product Change Notice (PCN)

**Subject:** Alternate assembly facility of the listed Renesas nSOIC packaged products

**Publication Date:** 5/13/2022

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

**Revision Description:**

Initial Release

**Description of Change:**

Alternate assembly facility of the listed Renesas nSOIC packaged products

- *Amkor Technology Philippines (ATP)*

Affected Product List
ISL1208IB8Z
ISL1208IB8Z-T7A
ISL1208IB8Z-TK
ISL1208IB8Z-TKS2701
ISL1208IB8Z-TKS2718

This is to inform you that Renesas Electronics will begin to use ATP as alternate assembly facility of narrow Small Outline Integrated Circuit (nSOIC) product.

**Reason for Change:**

Adding assembly site will expand current capabilities and capacities to optimize Renesas’s ability to meet customer’s delivery requirements. ATP is ISO9001:2015 and IATF 16949:2016 certified. ATP is existing assembly supplier for high volume assembly of nSOIC packaged products.

**Impact on fit, form, function, quality & reliability:**

The assembly qualification plan is designed using JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function or interchangeability of the product. The remainder of the manufacturing operations (wafer fabrication, package level electrical test, etc) will continue to be processed to previously established manufacturing flow.

**Product Identification:**

Product affected by this change is identifiable via Renesas’s internal traceability system. In addition, product assembled at ATP may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at

#	Assembly Site	Site Code
1	ATP	L

**Qualification status:** Completed

**Sample availability:** 6/20/2022

**Device material declaration:** Available upon request

**Disclaimer for sample orders :**

Due to the limited shelf life and availability of raw materials and capacity, we will not be able to offer samples for some of the products and some customers affected by the notice. For those products which we can accommodate sampling, samples will be available from June 20, 2022 onwards subject to availability. Customers can expect 1 – 2 months for sample delivery. If interested, contact Renesas Sales to determine if samples are available for your product of interest. Customer to which we cannot offer samples will be able to continue to receive our products with the current production flow.

**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.*

*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.*

<b>For additional information regarding this notice, please contact your regional change coordinator (below)</b>			
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 : Reliability Test Result

Test Description	Condition	ISL1208IB8Z 8 Leads, 150mil nSOIC Package
Moisture Sensitivity Level	Level 1	N=240 Acc = 0 L1 Pb-Free
Unbiased Highly Accelerated Stress Test (uHAST) +130°C ; 85% RH	96 hours	N=240 Acc = 0 L1 Pb-Free
	192 hours	N=240 Acc = 0 L1 Pb-Free
Temperature Cycle (TCT) -65°C / +150°C	500 cycles	N=80 Acc = 0 L1 Pb-Free
Hot Temperature Storage (HTS) +150°C	500 hours	N=240 Acc = 0 Pb-Free
	1000 hours	N=240 Acc = 0 Pb-Free

 Pass Qualification