

Product Change Notice (PCN)

Subject: Alternate assembly facility of the listed Renesas PQFN packaged products

Publication Date:

Initial: 12/21/2020

Rev A : 11/3/2022

Effective Date:

Rev A : 02/01/2023

Revision Description:

Initial Release

Rev A : Update Affected Product list and Qualification Result of 5mm x 5mm PQFN only. For details, please refer to Appendix A and B.

Description of Change:

Alternate assembly facility of the listed Renesas PQFN packaged products

- Carsem (M) Sdn. Bhd. (S-Site), Ipoh, Malaysia (CAS)

List of changes :

- Adding CAS as alternate assembly site

This notice is to inform you that Renesas Electronics Americas will begin to use CAS as alternate assembly facility of Power Quad Flat No Lead (PQFN) product.

Reason for Change:

Adding assembly site will expand current capabilities and capacities to optimize Renesas's ability to meet customer's delivery requirements. CAS is ISO9001:2015 and IATF 16949:2016 certified.

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 CAS 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	CAS	F

Qualification status: Completed

Sample availability: 1/16/2023

Device material declaration: Available upon request

Disclaimer :

Due to the limited shelf life and availability of raw materials and capacity, sample are built upon customer’s request. Customers shall expect 1 – 2 months for sample delivery. If interested, please contact Renesas Sales to determine if samples are available for your product of interest.

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: PCN-US@RENESAS.COM	Europe: PCN-EU@RENESAS.COM	Japan: PCN-JP@RENESAS.COM	Asia Pac: PCN-APAC@RENESAS.COM

Appendix A : Product List

Affected Product List

ISL99360BFRZ-T	ISL99360HRZ-T
ISL99360FRZ-T	ISL99360HRZ-TS2709
ISL99360FRZ-TS2568	ISL99360HRZ-TS2794
ISL99360FRZ-TS2696	RAA220075RGNP#HB0
ISL99360FRZ-TS2795	RAA220075RS0BGNP#HB0

Appendix B : Qualification Result

Test Description	Condition	ISL99360FRZ-T 32 Lead, 5mm x 5mm PQFN Package
Moisture Sensitivity Classification	Level 3	N = 66 Acc = 0 L3 Pb Free
Hot Temperature Operating Life (HTOL) +125°C	1000 hours	N = 80 Acc = 0 L3 Pb Free
Biased Highly Accelerated Stress Test (b-HAST) +110°C ; 85% RH	264 hours	N=240 Acc = 0 L3 Pb-Free
Unbiased Highly Accelerated Stress Test (uHAST) +130°C ; 85% RH	96 hours	N=240 Acc = 0 L3 Pb-Free
Hot Temperature Storage (HTS) +150°C	1000 hours	N=239 Acc = 0
Temperature Cycle (TCT) -65°C / +150 °C	500 cycles	N=240 Acc = 0 L3 Pb-Free

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