

Product Change Notice (PCN)

Subject: Alternate assembly facility of the listed Renesas QFN / TQFN packaged products

Publication Date: 11/19/2021

Effective Date: 2/17/2022

Revision Description:

Initial Release

Description of Change:

Alternate assembly facility of the listed Renesas QFN / TQFN packaged products

- *Greatek Electronics Inc., Taiwan R.O.C (Greatek)*

This is to inform you that Renesas Electronics will begin to use Greatek as alternate assembly facility of Quad Flat No Lead (QFN) and Thin Quad Flat No Lead (TQFN) product.

Reason for Change:

Adding assembly site will expand current capabilities and capacities to optimize Renesas's ability to meet customer's delivery requirements. Greatek is ISO9001:2015 and IATF 16949:2016 certified. Greatek is existing assembly supplier for high volume assembly of QFN and TQFN 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 Greatek 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	Remarks
1	Greatek	K	For Copper Wire products

Qualification status: Completed

Sample availability: 1/14/2022

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 Jan 14, 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.

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: PCN-US@RENEASAS.COM	Europe: PCN-EU@RENEASAS.COM	Japan: PCN-JP@RENEASAS.COM	Asia Pac: PCN-APAC@RENEASAS.COM

Appendix A : Affected Product List

ISL62772HRTZ	ISL8026IRTAJZ	ISL9538CHRTZ-TS2792	ISL95869IRTZ
ISL62772HRTZ-T	ISL8026IRTAJZ-T	ISL95858HRZ	ISL95869IRTZ-T
ISL62772IRTZ	ISL8026IRTAJZ-T7A	ISL95858HRZ-T	RAA220001GNP#HA0
ISL62772IRTZ-T	ISL9120IRTAZ	ISL95858IRZ	RAA220002GNP#HA0
ISL62776HRTZ	ISL9120IRTAZ-T	ISL95858IRZ-T	RAA2260544GNP#HA0
ISL62776HRTZ-T	ISL9120IRTAZ-T7A	ISL95860HRTZ	RAA2260544S02GNP#HA0
ISL62776IRTZ	ISL9120IRTNZ	ISL95860HRTZ-T	RAA235000GNP#HA0
ISL62776IRTZ-T	ISL9120IRTNZ-T	ISL95860HRTZ-TS2701	RAA239101A2GNP#HA0
ISL8025AIRTAJZ	ISL9238CHRTZ	ISL95860HRTZ-TS2778	RAA489000A3GNP#AA0
ISL8025AIRTAJZ-T	ISL9238CHRTZ-T	ISL95860IRTZ	RAA489000A3GNP#HA0
ISL8025AIRTAJZ-T7A	ISL9238CHRTZ-T7A	ISL95860IRTZ-T	RAA489000ARGNP#AA0
ISL8026AFRTAJZ	ISL9238CHRTZ-TK	ISL95866CHRZ	RAA489000ARGNP#HA0
ISL8026AFRTAJZ-T	ISL9238CIRTZ	ISL95866CHRZ-T	RAA489000AS03GNP#HA0
ISL8026AFRTAJZ-T7A	ISL9238CIRTZ-T	ISL95866CIRZ	RAA489101A3GNP#AA0
ISL8026AIRTAJZ	ISL9238HRTZ-T	ISL95866CIRZ-T	RAA489101A3GNP#HA0
ISL8026AIRTAJZ-T	ISL9238HRTZ-TS2701	ISL95866IRZ	RAA489101ARGNP#AA0
ISL8026AIRTAJZ-T7A	ISL9538CHRTZ	ISL95866IRZ-T	RAA489101ARGNP#HA0
ISL8026FRTAJZ	ISL9538CHRTZ-T	ISL95869HRTZ	RAA489800A2GNP#AA0
ISL8026FRTAJZ-T	ISL9538CHRTZ-TS2701	ISL95869HRTZ-T	RAA489800A2GNP#HA0
ISL8026FRTAJZ-T7A	ISL9538CHRTZ-TS2778	ISL95869HRTZ-TS2778	RAA489800ARGNP#AA0
			RAA489800ARGNP#HA0
			RAA489800AS07GNP#HA0

Appendix B : Reliability Test Result

Test Description	Condition	RAA2270634GNP#HA0 48 Lead, 7mm x 7mm QFN Package
Moisture Sensitivity Level	Level 3	N=66 Acc = 0 L3 Pb-Free
High Temperature Operating Life +125°C	1072 hours	N=160 Acc = 0 L3 Pb-Free
	2000 hours	N=160 Acc = 0 L3 Pb-Free
Biased Highly Accelerated Stress Test (bHAST) +110°C ; 85% RH	264 hours	N=160 Acc = 0 L3 Pb-Free
Hot Temperature Storage (HTS) +150°C	2000 hours	N=240 Acc = 0
Unbiased Highly Accelerated Stress Test (uHAST) +130°C ; 85% RH	96 hours	N=240 Acc = 0 L3 Pb-Free
Temperature Cycle (TCT) -40°C / +125°C	1000 cycles	N=240 Acc = 0 L3 Pb-Free

 Pass Qualification