

Product Change Notice (PCN)

Subject: Package design revision for listed Renesas WFQFN 5x5mm Package

Publication Date: 8/9/2021

Effective Date: 2/5/2022

Revision Description:

Initial Release

Description of Change:

This notice is to advise our customers of a minor design revision for the products listed below. The new design is to extend Mold Cap to cover top exposed lead area which provides more robustness on the Package Flange. Please refer Appendix A for details. This new design will be adopted to all 5x5mm Wettable Flank Quad Flat No Leads (WFQFN) product family.

Affected Product List :

ISL78208ARZ	ISL78227ARZ-TR5303	ISL78234AARZ-T	ISL78263ARZ	TW9990AT-NA1-GR
ISL78208ARZ-T	ISL78227ARZ-TR5492	ISL78234AARZ-T7A	ISL78263ARZ-T	TW9990AT-NA1-GRR5303
ISL78208ARZ-T7A	ISL78233AARZ	ISL78235AARZ	ISL78263ARZ-T7A	TW9990AT-NA1-GRT
ISL78227ARZ	ISL78233AARZ-T	ISL78235AARZ-T	ISL78264ARZ	TW9992AT-NA1-GE
ISL78227ARZ-T	ISL78233AARZ-T7A	ISL78235AARZ-T7A	ISL78264ARZ-T	TW9992AT-NA1-GET
ISL78227ARZ-T7A	ISL78234AARZ	ISL78235AARZ-TR5303	ISL78264ARZ-T7A	TW9992AT-NA1GETR5303

Reason for Change:

The change in the product design is being implemented to provide more robustness on the package flange area to strengthens device integrity.

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.

Product Identification:

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

Qualification status: NA

Sample availability: 10/4/2021

Device material declaration: Available upon request

Note : Sample is available on Oct 04, 2021 onwards, and subject to availability. Customer may expect 1-2 months for sample replenishment.

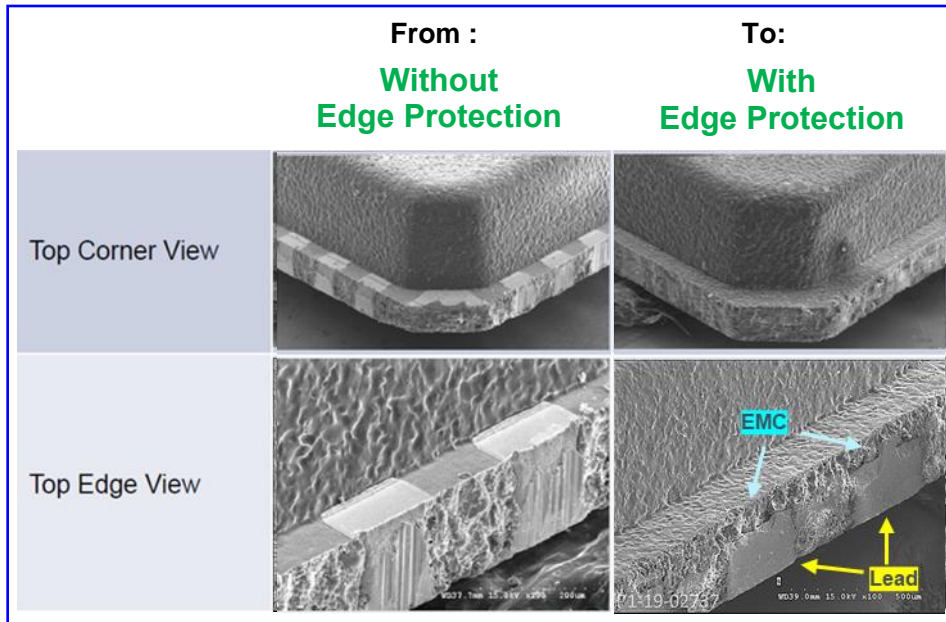
Note:

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 – Package design revision – mold cap extension



Appendix B – Reliability Test Result

Test Description	Condition	TW9992AT-NA1-GET 32 Lead, 5mm x 5mm WFQFN Package
Moisture Sensitivity Level (MSL)	Level 1	N =22 Acc = 0 L1 Pb-Free
Unbiased Highly Accelerated Stress Test (uHAST) +130°C ; 85% RH	96 hours	N=320 Acc = 0 L1 Pb-Free
Hot Temperature Stroage (HTS) +150°C	1000 hours	N=50 Acc = 0
Temperature Cycle (TCT) -65°C / +150°C	1000 cycles	N=313 Acc = 0 L1 Pb-Free

Pass Qualification