

Product Change Notice (PCN)

Subject: Cover Tape and Carrier Tape change for Renesas Product ISL98611IIZ-T WLCSP Packaged Product

Publication Date: 3/14/2018

Effective Date: 6/11/2018

Revision Description:

Initial Release

Description of Change:

Cover Tape and Carrier Tape change for Renesas Product ISL98611IIZ-T. Details of change are summarized as below : -

#	Area of change	Description of change
1	Cover Tape	Material change from Pressure Seal to Heat Seal.
2	Carrier Tape	Pocket (Cavity) dimension change

Affected Product List

ISL98611IIZ-T

Reason for Change:

This notice is to inform you that Renesas has qualified a change that standardizes the cover and carrier tape used for tape and reel packing of the listed Renesas ISL98611IIZ-T WLCSP (Wafer Level Chip Scale Package) packaged products.

1. Cover tape will be changed from Pressure Seal to Heat Seal. The new cover tape is a low-charging material that eliminates the buildup of static electricity thereby reducing the risk of die sticking to the cover tape.
2. Carrier tape – There are slight changes in the pocket (cavity) dimensions. The new carrier tape is an improved package to tape fit thereby reducing the potential package damage from shipment or handling.

The change is necessary as part of quality optimization efforts. A summary of the qualification and the comparison of existing and new carrier tape dimensions are shown in Appendix A and B.

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: Completed

Sample availability: 3/31/2018

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

Appendix A : Heal Seal Cover Tape Qualification Result

Test Description	Acceptance Criteria	Method	Sample Size	Result
Surface Resistivity Test	Per material spec	Measurement per ANSI/ESD S541 and ESD ADV11.2 standard	3 strips	PASS
Triboelectric Charge Test	Per material spec	Measurement per ANSI/ESD S541 and ESD ADV11.2 standard	3 strips	PASS
Sealing Quality	Good sealing trace on carrier tape	100% Visual Inspection	3 strips	PASS
Peeling Quality	Cover tape fully peeled off	100% Visual Inspection	3 strips	PASS
Peel Force Test	Per peel force spec	Peel strength measurement	3 strips	PASS
Carrier Tape Dimensional	Per carrier tape drawing	Measurement per EIA-481-D standard	5 pockets	PASS

Appendix B : Carrier Tape Pocket (Cavity) comparison – Existing vs New Carrier Tape

#	Notation	Pocket (Cavity) description	Existing Carrier Tape	New Carrier Tape
1	K ₀	Depth (in z-direction)	0.96 ± 0.05mm	0.71 ± 0.05mm
2	A ₀	Pocket Length (in x-direction)	2.58 ± 0.05mm	2.46 ± 0.05mm
3	B ₀	Pocket Width (in y-direction)	2.96 ± 0.05mm	2.76 ± 0.05mm