

Product Change Notice (PCN)

Subject: Design change to Renesas product ISL9122A*

Publication Date: 10/24/2022

Effective Date: 1/24/2023

Revision Description:

Initial release.

Description of Change:

This notice is to inform you that Renesas Electronics America has made a design change to the following products;

ISL9122AIINZ-T	ISL9122AIRNZ-T	ISL9122AIRN-EVZ
ISL9122AIINZ-T7A	ISL9122AIRNZ-T7A	ISL9122AIIN-EVZ
ISL9122AIHYZ-T		

Reason for Change:

This is a 7 mask layer change to M1, VIA1, MT2, VIA2, M3, VIA3, M4 to address a high current state under certain Vin / Vout conditions. The change has no impact to any other functionality.

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

The change will have no other impact on the form, fit, function, quality, safety, reliability, and environmental compliance of the devices.

Product Identification:

Product affected by this change is identifiable via Renesas Electronics America internal traceability system. Product affected by design will be identifiable by date-code.

Qualification status: In Progress, see Appendix A for schedule.

Sample availability: 10/24/2022

Device material declaration: Available upon request

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.

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 - Qualification Results for RAA9122A* design change.

Qualification Results				
Stress	Test Method	Sample Size	# of Lots	Result
High Temp Operating Life	JESD22-A108F 125C	77	1	168hrs= Scheduled to Complete 11/1/22 500hrs= Scheduled to Complete 11/22/22 1000hrs= Scheduled to Complete 12/20/22
Product Electrical Characterization	Equivalence with previous	25	1	Scheduled to Complete 11/1/22
ESD HBM	JS-001-2017	3	1	Scheduled to Complete 11/1/22
ESD CDM	JS-002-2018	3	1	Scheduled to Complete 11/1/22
Latch-up Characterization	100mA @85C	3	1	Scheduled to Complete 11/1/22