

## Product Change Notice (PCN)

**Subject:** Design change to Renesas product ISL21010\*

**Publication Date:** 11/4/2022

**Effective Date:** 1/14/2023

**Revision Description:**

Rev1 – Corrects a single typo in the title of Appendix A. Change product prefix from “RAA21010” to correct product prefix “ISL21010”. This is the ONLY change. No impact to effectivity dates.

**Description of Change:**

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

ISL21010CFH315Z-T7A	ISL21010CFH330Z-TK	ISL21010DFH310Z-TK
ISL21010CFH315Z-TK	ISL21010CFH333Z-T7A	ISL21010DFH310ZS2705
ISL21010CFH320Z-T7A	ISL21010CFH333Z-TK	ISL21010DFH312Z-T
ISL21010CFH320Z-TK	ISL21010CFH341Z-T7A	ISL21010DFH312Z-T7A
ISL21010CFH325Z-T7A	ISL21010CFH341Z-TK	ISL21010DFH312Z-TK
ISL21010CFH325Z-TK	ISL21010DFH310Z-T	
ISL21010CFH330Z-T7A	ISL21010DFH310Z-T7A	

**Reason for Change:**

This is a 6 mask layer change to M1, V1, M2, V2, M3, CB to address a start-up issue. 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:** Complete, see Appendix A.

**Sample availability:** 10/14/2022

**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: <a href="mailto:PCN-US@Renesas.COM">PCN-US@Renesas.COM</a>	Europe: <a href="mailto:PCN-EU@Renesas.COM">PCN-EU@Renesas.COM</a>	Japan: <a href="mailto:PCN-JP@Renesas.COM">PCN-JP@Renesas.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@Renesas.COM">PCN-APAC@Renesas.COM</a>

Appendix A - Qualification Results for ISL21010\* design change.

Qualification Results				
Stress	Test Method	Sample Size	# of Lots	Result
High Temp Operating Life	JESD22-A108F 125C	80	1	168hrs= PASS 500hrs= PASS 1000hrs=PASS
Product Electrical Characterization	Equivalence with previous	10	1	PASS
ESD HBM	JS-001-2017	3	1	5.5 KV - PASS
ESD CDM	JS-002-2018	3	1	2 KV - PASS
Latch-up Characterization	200mA @125C	3	1	PASS