

Product Change Notice (PCN)

Subject: Trim change to Renesas product ISL9238C* and ISL9538C*

Publication Date

Revision 0 : 7/28/2021

Revision A : 7/30/2021

Effective Date: 10/26/2021

Revision 0 : 10/26/2021

Revision A : 10/28/2021

Revision Description:

Revision 0 : Initial Release

Revision A :

- a. **Appendix A : Correction to the Qual Vehicle from “ISL99390FRZ-TR5935” to “ISL9238CHRTZ-T”**

Description of Change:

This notice is to inform you that Renesas Electronics America will be implementing an ATE trim option to disable the WOC feature;

ISL9238CHRTZ	ISL9238CIRTZ	ISL9538CHRTZ-TS2701
ISL9238CHRTZ-T	ISL9238CIRTZ-T	ISL9538CHRTZ-TS2778
ISL9238CHRTZ-T7A	ISL9538CHRTZ	ISL9538CHRTZ-TS2792
ISL9238CHRTZ-TK	ISL9538CHRTZ-T	

Reason for Change:

The new ATE trim option will disable the Way Over Current (WOC) feature which can cause potential false trigger when starting up into very low VSYS 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, reliability and environmental compliance of the devices.

Product Identification:

There will be no change in the external marking of the packaged parts. Product affected by this change is identifiable via Renesas Electronics America internal traceability system.

New trip option will be available on shipments with date-codes after 1st week of August, 2021.

Qualification status: Completed, see Appendix A.

Sample availability: 8/20/2021

Device material declaration: Available upon request

Note:

Sample is available August 20, 2021 onwards, and subject to availability. Customer may expect 1 – 2 months for sample replenishment.

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 ISL9x38Cx New trim option.

Qualification Result				
Stress	Test Method	Product	Sample Size	Result
High Temperature Operating Life	JESD22-A108 125°C	ISL9238CHRTZ-T	82	1000 hours - PASS
Unbiased HAST	JESD22-A11* 130°C / 85% RH	ISL9238CHRTZ-T	78	96 hours - PASS
Moisture Sensivity	J-STD-020 30°C / 60% RH (Level 3)	ISL9238CHRTZ-T	22	Level 3 - PASS
Temperature Cycle	JESD22-A104 -40°C / +125°C	ISL9238CHRTZ-T	78	500 cycles - PASS
ESD HBM	JS-001-2017	ISL9238CHRTZ-T	9	2500V - PASS
ESD CDM	JS-002-2018	ISL9238CHRTZ-T	9	1000V - PASS
Latch-up Characterization	JESD78	ISL9238CHRTZ-T	3	Passed JEDEC Class II Level A +-100mA @125°C