

Product Change Notice (PCN)

Subject: Product Improvement – Design Change for Listed ISL69144* and ISL69147* Products

Publication Date: 3/6/2018

Effective Date: 6/6/2018

Revision Description:

Initial Release

Description of Change:

This notice is to advise our customers of a design revision for the listed ISL69144* and ISL69147* products. This change affects the SVI2 bus interface logic to ensure a correct VOTFC signal occurs in all situations.

Products impacted by the change are:

ISL69147IRAZ-T	ISL69144IRAZ	ISL69144IRAZ-TR5744
ISL69147IRAZ-T7A	ISL69144IRAZ-T	
ISL69147IRAZ-TR5744	ISL69144IRAZ-T7A	

Reason for Change:

In a narrow range of conditions, the ISL69144/7 can drop a VOTFC signal causing the CPU to hang. This can occur when a pre-emptive VID up command is issued while the controller is ramping down to a new VID level. If the decaying output voltage is at the same value as the new VID when it is received, the VOTFC will be dropped.

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 Inc. internal traceability system.

Qualification status: Complete, see appendix A

Sample availability: 3/6/2018

Device material declaration: Available upon request

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas Electronics America Inc. 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 - Qualification Results

Qualification Results					
Stress	Test Method	Product	Sample Size	# of Lots	Result
High Temperature Operating Life (HTOL)	JESD22-A108	ISL69144IRAZ	84	1	Pass
High Temperature Operating Life (HTOL)	JESD22-A108	ISL69147IRAZ	84	1	Pass