

## Product Change Notice (PCN)

**Subject:** Package change for ISL72991\* products.

**Publication Date:** 5/8/2020

**Effective Date:** 8/8/2020

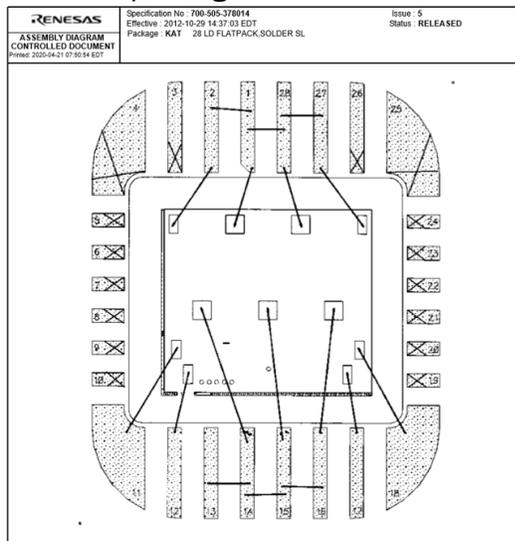
**Revision Description:**

Initial Release

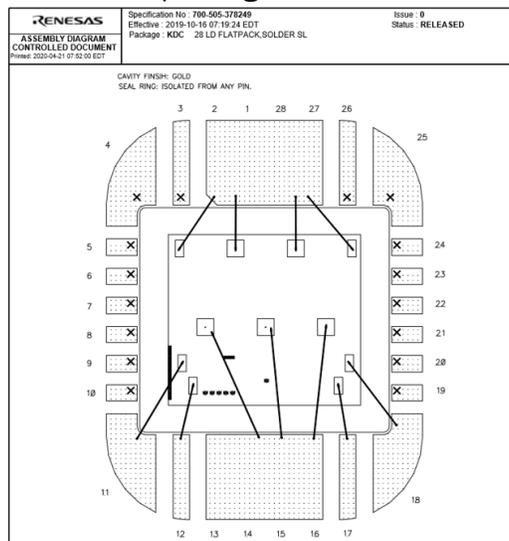
**Description of Change:**

New package eliminates 6 intra-package wire bonds used to daisy chain common pads. New package electrically connects previously daisy chained pads by increasing pad area. No change to die-to-package wirebonds or external pin definitions. See diagrams.

**OLD KAT package**



**NEW KDC package**



**Affected product list:**

Part Number	SMD Number	Part Number	SMD Number
ISL72991QF	5962-0250301QXC	ISL72991RHQF	5962F0250301QXC
ISL72991RHEVAL2Z		ISL72991RHVF	5962F0250301VXC
ISL72991RHF/PROTO		ISL72991RHFVS2793	5962F0250301VXC

**Reason for Change:**

This notice is an Initial Product Change Notification to inform you about an upcoming change to the package for the ISL72991\* products. This package change reduces the number of wirebonds to enhance the production of the product.

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

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

**Product Identification:**

Product with new package (KDC) has a cutover date code of “2009”. Any product with a date code prior to this will be the OLD package (KAT).

**Qualification status:** Complete, see Table 1.

**Sample availability:** 6/8/2020

**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.

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

**Table 1: Qualification completed.** All units pass.

Lot number: SRN20-0052, Part number: 5962F0250301VXC

Group	Test	Sample Size	Rejects
<b>B1</b>	Resist to solvents	3	0
<b>B2</b>	Die Shear	3	0
<b>B3</b>	Solderability	22	0

Lot number: SRN20-0149, Part number: 5962F0250301VXC

Group	Test	Sample Size	Rejects
<b>B1</b>	Resist to solvents	3	0
<b>B2</b>	Die Shear	3	0
<b>B3</b>	Solderability	22	0
<b>D1</b>	Physical Dimensions	15	0
<b>D2</b>	Lead Integrity	45	0
<b>D3</b>	Thermal Shock	15	0
	100 Temp Cycles	15	0
	Moisture Resistance	15	0
	Visual Inspection	15	0
	Fine and Gross Leak	15	0
	Electrical	15	0
<b>D4</b>	Mechanical Shock	15	0
	Vibration	15	0
	Constant Acceleration	15	0
	Fine and Gross Leak	15	0
	Visual Inspection	15	0
	Electrical	15	0
<b>D5</b>	Salt Atmosphere	15	0
	Visual Inspection	15	0
	Fine and Gross Leak	15	0
<b>D6</b>	Water Vapor	3	0
<b>D7</b>	Lead adhesion	15	0