

Product Advisory (PA)

Subject: Datasheet specification change for listed Renesas ISL317xE*, ISL8307xE* and ISL8308xE* Products

Publication Date: 7/12/2022

Effective Date: 7/12/2022

Revision Description:

Initial Release

Description of Change:

This notice is to inform you that Renesas Electronics America Inc has updated ISL317xE*, ISL8307xE* and ISL8308xE* Products Datasheet.

The updates include changes to the following :

- M8.118 and M10.118 POD : Corrected typo in the side view 1 updating packaging thickness tolerance from $\pm 010\text{mm}$ (wrong, decimal point was inadvertently left out) to $\pm 0.10\text{mm}$ (Correct)

Note :

- A. M8.118 is in reference to 8L MSOP (8 LEAD MINI SMALL OUTLINE PLASTIC PACKAGE)
- B. M10.118 is in reference to 10L MSOP (10 LEAD MINI SMALL OUTLINE PLASTIC PACKAGE)
- C. POD is in reference to Package Outlined Drawing.

Reason for Change:

The correction to the package outline aligns the documentation with the product characteristics.

ISL317xE* Datasheet :

<https://www.renesas.com/sg/en/products/interface-connectivity/rs-485-rs-422-rs-232/rs-485rs-422/rs-485422-enhanced-esd-protection/isl3170e-15kv-esd-protected-33v-full-fail-safe-low-power-high-speed-or-slew-rate-limited-rs-485rs-422>

ISL8307xE* Datasheet :

<https://www.renesas.com/sg/en/document/dst/isl83071e-isl83072e-isl83073e-isl83075e-isl83076e-isl83077e-isl83078e-isl83070e-datasheet?r=531981>

ISL8308xE* Datasheet :

<https://www.renesas.com/sg/en/document/dst/isl83080e-isl83082e-isl83083e-isl83084e-isl83085e-isl83086e-isl83088e-datasheet?r=532021>

There is no change to the other POD dimension.

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

This is minor package dimension update. The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the devices.

Product Identification:

Product affected by this change is identifiable via Renesas's internal traceability system.

Qualification status: Not Applicable

Sample availability: 7/12/2022

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.

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: PCN-US@RENESAS.COM	Europe: PCN-EU@RENESAS.COM	Japan: PCN-JP@RENESAS.COM	Asia Pac: PCN-APAC@RENESAS.COM

Appendix A : Affected Product List

Part Number	Part Marking	Temp. Range (°C)	Tape and Reel(Units)	Package (RoHS Compliant)	Pkg. Dwg. #
ISL3170EIUZ ISL3170EIUZ-T	3170Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL3171EIUZ ISL3171EIUZ-T	3171Z	-40 to +85°C	Tube Reel, 2.5k	10 Ld MSOP	M10.118
ISL3172EIUZ ISL3172EIUZ-T	3172Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL3173EIUZ ISL3173EIUZ-T	3173Z	-40 to +85°C	Tube Reel, 2.5k	10 Ld MSOP	M10.118
ISL3174EIUZ ISL3174EIUZ-T	3174Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL3175EIUZ ISL3175EIUZ-T	3175Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL3176EIUZ ISL3176EIUZ-T ISL3176EIUZ-T7A	3176Z	-40 to +85°C	Tube Reel, 2.5k Reel, 250	10 Ld MSOP	M10.118
ISL3177EIUZ ISL3177EIUZ-T	3177Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL3178EIUZ ISL3178EIUZ-T	3178Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118

Part Number	Part Marking	Temp. Range (°C)	Tape and Reel(Units)	Package (RoHS Compliant)	Pkg. Dwg. #
ISL83072EIUZA ISL83072EIUZA-T	3072Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL83072EIUZA ISL83072EIUZA-T	3072Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL83075EIUZA ISL83075EIUZA-T	3075Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL83078EIUZA ISL83078EIUZA-T	3078Z	-40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL83080EIUZ ISL83080EIUZ-T	3080Z	-40 to +85°C	Tube Reel, 2.5k	10 Ld MSOP	M10.118
ISL83082EIUZ ISL83082EIUZ-T	3082Z	40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL83083EIUZ ISL83083EIUZ-T	3083Z	40 to +85°C	Tube Reel, 2.5k	10 Ld MSOP	M10.118
ISL83085EIUZ ISL83085EIUZ-T	3085Z	40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118
ISL83086EIUZ ISL83086EIUZ-T	3086Z	40 to +85°C	Tube Reel, 2.5k	10 Ld MSOP	M10.118
ISL83088EIUZ ISL83088EIUZ-T	3088Z	40 to +85°C	Tube Reel, 2.5k	8 Ld MSOP	M8.118

Appendix B : Comparison of Package Outlined Drawing.

Wrong Tolerance (Typo Error without Decimal Point, ±010mm)

Correct Tolerance (with Decimal Point) ±0.10mm

