

Product Change Notice (PCN)

Subject: Alternate assembly facility of the listed Renesas TQFN, DFN, QFN packaged products

Publication Date: 4/13/2019

Effective Date: 7/12/2019

Revision Description:

Initial Release

Description of Change:

Alternate assembly facility of the listed Renesas DFN, QFN, TQFN packaged products

- *Advanced Semiconductor Engineering, Chung Li, Taiwan ROC (ASECL)*

Affected Product List (Copper Wire Product)

ISL6388HRTZ	ISL80101IRAJZ-T7A	ISL85415AIRZ-T	ISL95855HRTZ
ISL6388HRTZ-T	ISL80101IRAJZ-TK	ISL95520HRZ	ISL95855HRTZ-T
ISL6388HRTZ-TKR5632	ISL80101IRAJZTKR5632	ISL95520HRZ-T	ISL95855HRTZ-TS2722
ISL6388HRTZ-TR5714	ISL80101IRAJZ-TS2568	ISL95520HRZ-TS2568	ISL95855HRTZ-TS2778
ISL6388HRTZ-TS2490	ISL80101IRAJZ-TS2709	ISL95520HRZ-TS2722	ISL95857AIRTZ
ISL6388HRTZ-TS2787	ISL80103IRAJZ	ISL95853HRZ	ISL95857AIRTZ-T
ISL6398IRTZ	ISL80103IRAJZ-T	ISL95853HRZ-T	ISL95857CHRTZ
ISL6398IRTZ-T	ISL80103IRAJZ-T7A	ISL95853HRZ-TK	ISL95857CHRTZ-T
ISL6398IRTZ-TK	ISL80103IRAJZ-TK	ISL95853HRZ-TS2568	ISL95857CHRTZ-TS2778
ISL6398IRTZ-TKR5636	ISL80103IRAJZ-TS2722	ISL95855AHRTZ	ISL95857HRTZ
ISL6398IRTZ-TKS2705	ISL80121IR50Z	ISL95855AHRTZ-T	ISL95857HRTZ-T
ISL6398IRTZ-TR5636	ISL80121IR50Z-T	ISL95855AHRTZ-TS2722	ISL95857HRTZ-TS2722
ISL6398IRTZ-TS2705	ISL80121IR50Z-T7A	ISL95855AHRTZ-TS2778	ISL95857HRTZ-TS2778
ISL80101IRAJZ	ISL80121IR50Z-TR5830	ISL95855AIRTZ	
ISL80101IRAJZ-T	ISL85415AIRZ	ISL95855AIRTZ-T	

Reason for Change:

This notice is to inform you that Renesas will begin using ASE, Chung Li (ASECL) facility as alternate assembly facility of the Listed Renesas TQFN (Thin Quad Flat No Leads) , DFN (Dual Flat No Leads) and QFN (Quad Flat No Leads) packaged products. ASECL is an existing assembly supplier for Renesas. This action will expand current capabilities and capacities to optimize Renesas’s ability to meet customer’s delivery requirements. The ASECL facility is ISO9001:2015 and IATF 16949:2016 certified. ASECL is qualified as primary supplier to Renesas for high volume assembly of TQFN, DFN and QFN packaged products

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

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. In addition, product assembled at ASECL may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at ASECL is “W” for Copper (Cu) wire products.

Qualification status: Complete, see attached

Sample availability: 4/22/2019



Device material declaration: Available upon request

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

Appendix A - Qualification Results (see attached)

Test Description	Condition	ISL85415AIRZ 12 LEAD, 4.0mm X 3.0mm DFN Package	ISL95855AHRTZ-T 48 LEAD, 6.0 X 6.0 TQFN Package
Moisture Sensitivity Classificatio		N = 1753 Acc = 0 L3 Pb Free	N = 1120 Acc = 0 L3 Pb Free
High Temperature Operating Life +125°C	1000 hrs	N = 80 Acc = 0	N = 157 Acc = 0
Temperature/Humidity/Bias +85°C / 85% RH	1000 hrs	N = 80 Acc = 0	N = 80 Acc = 0
Biased HAST +130°C / 85% RH	96 Hrs	N = 239 Acc = 0	
Unbiased HAST (u-HAST) +130°C / 85% RH	96 Hrs	N = 78 Acc = 0	N = 636 Acc = 0
Hot Temperature Storage (HTS) +150°C	1000 Hrs	N = 162 Acc = 0	
Temperature Cycle (TCT) -40°C / +125°C	1000 cyc	N = 322 Acc = 0	N = 636 Acc = 0

 Qualified by Extension
 Not Applicable (NA)