

## Product Change Notice (PCN)

**Subject:** Alternate assembly facility of the listed Renesas PDIP packaged products

**Publication Date:** 11/21/2018

**Effective Date:** 2/19/2019

**Revision Description:**

Initial Release

**Description of Change:**

Alternate assembly facility of the listed Renesas PDIP packaged products

- *Greatek Electronics Inc., Taiwan R.O.C*

**Affected Product List : -**

|            |              |
|------------|--------------|
| CA3140AEZ  | ICL7667CPAZ  |
| CA3240AEZ  | ISL81487LIPZ |
| CMP82C55AZ | X28HC64PZ-12 |

**Reason for Change:**

This notice is to inform you that Renesas Electronics America Inc will begin using Greatek Electronics Inc., Taiwan facility as alternate assembly facility of the listed Renesas PDIP packaged products. This action will expand current capabilities and capacities to optimize Renesas’s ability to meet customer’s delivery requirements.

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

The Greatek Taiwan facility is ISO9001:2015 and IATF16949:2016 certified. There is no change in the manufacturing process flow, Form, Fit, Function, or interchangeability of the product.

**Product Identification:**

Product affected by this change is identifiable via Renesas’s internal traceability system. In addition, product assembled at Greatek may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at Greatek is “Z”.

**Qualification status:** Completed, see attached

**Sample availability:** 12/3/2018



**Device material declaration:** Available upon request

*Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Renesas 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@RENESAS.COM">PCN-US@RENESAS.COM</a>                                      | Europe: <a href="mailto:PCN-EU@RENESAS.COM">PCN-EU@RENESAS.COM</a> | Japan: <a href="mailto:PCN-JP@RENESAS.COM">PCN-JP@RENESAS.COM</a> | Asia Pac: <a href="mailto:PCN-APAC@RENESAS.COM">PCN-APAC@RENESAS.COM</a> |

Appendix A - Qualification Results (see attached)

| Test Description                            | Condition | CA3140EZ<br>8 Leads PDIP,<br>9.65mm x 6.60mm(300mil) package | ISL81487EIPZ<br>8 Leads PDIP,<br>9.65mm x 6.60mm (300mil) Package | EL7242CNZ<br>8 Leads PDIP,<br>9.65mm x 6.60mm (300mil) Package |
|---|-----------|--|---|--|
| Biased HAST<br>+130 °C / 85% RH             | 96 hrs    | N = 80<br>Acc = 0  | N = 80<br>Acc = 0   | N = 80<br>Acc = 0  |
| Unbiased HAST (u-HAST)<br>+130 °C / 85% RH  | 96 hrs    | N = 85<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0  |
| Hot Temperature Storage (HTS)<br>+150 °C    | 500 hrs   | N = 79<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0  |
| Hot Temperature Storage (HTS)<br>+150 °C    | 1000 hrs  | N = 79<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0  |
| Temperature Cycle (TCT)<br>-65 °C / +150 °C | 500 cyc   | N = 80<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0  |

 Qualified by Extension  
 Completed and Passed

| Test Description                            | Condition | HIP4081AIPZ<br>20 Leads PDIP,<br>26.16mm x 6.60mm (300mil) Package | ICL7107CPLZ<br>40 Leads PDIP,<br>52.07mm x 13.97mm (600mil) Package | CP82C55AZ<br>40 Leads PDIP,<br>52.07mm x 13.97mm (600mil) Package |
|---|-----------|--|---|---|
| Biased HAST<br>+130 °C / 85% RH             | 96 hrs    | N = 80<br>Acc = 0  | N = 80<br>Acc = 0   | N = 80<br>Acc = 0   |
| Unbiased HAST (u-HAST)<br>+130 °C / 85% RH  | 96 hrs    | N = 85<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0   |
| Hot Temperature Storage (HTS)<br>+150 °C    | 500 hrs   | N = 85<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0   |
| Hot Temperature Storage (HTS)<br>+150 °C    | 1000 hrs  | N = 85<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0   |
| Temperature Cycle (TCT)<br>-65 °C / +150 °C | 500 cyc   | N = 85<br>Acc = 0  | N = 85<br>Acc = 0   | N = 85<br>Acc = 0   |

 Qualified by Extension  
 Completed and Passed