

## Product Change Notice (PCN)

**Subject:** Alternate assembly facility of the listed Renesas SOT23 – 6 Leads packaged products

**Publication Date:** 4/30/2021

**Effective Date:** 7/29/2021

**Revision Description:**

Initial Release

**Description of Change:**

Alternate assembly facility of the listed Renesas SOT23 – 6 Leads packaged products  
 - *Carsem (M) Sdn Bhd – M Site, Ipoh, Malaysia (CAM)*

**Affected Product List**

ISL28006FHADJZ-T7
ISL28006FHADJZ-T7A
ISL28006FHADJZTS2705
ISL28006FHADJZTS2709

This notice is to inform you that Renesas will begin CAM facility for the Listed Renesas SOT23-6 Leads packaged products.

**Reason for Change:**

CAM is existing assembly supplier for high volume assembly of SOT23 packaged products. Adding assembly site will expand current capabilities and capacities to optimize Renesas’s ability to meet customer’s delivery requirements. CAM facility is ISO9001:2015 and IATF 16949:2016 certified.

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

The assembly qualification plan is designed using JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function or interchangeability of the product. A summary of the qualification plan and results is included for reference. Please refer Appendix A. The remainder of the manufacturing operations (wafer fabrication, package level electrical test, etc) will continue to be processed to previously established manufacturing flow.

**Product Identification:**

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

#	Assembly Site	Site Code
1	CAM	G

**Qualification status:** Completed, See attached  
**Sample availability:** 5/31/2021  
**Device material declaration:** Available upon request

Sample is available May 31, 2021 onwards, and subject to availability. Customer may expect 1 – 2 months for sample replenishment.

**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.

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 : Reliability Result**

Test Description	Condition	ISL28005FH100Z-T7 5 Lead SOT23 Package
Moisture Sensitivity Classification	Level 1	N=44 Acc=0 L1 Pb-Free
Unbias High Accelerated Stress Test (uHAST) +130°C / 85% RH	96 hours	N=156 Acc=0
Hot Temperature Storage (HTS) +150°C	1000 hours	N=156 Acc=0
Temperature Cycling Test (TCT) -65°C / +150°C	500 cycles	N=156 Acc=0

Qualified by Extension (QBE)