

## Product Change Notice (PCN)

**Subject:** Add Alternate Fab Location

**Publication Date:** 5/1/2026

**Effective Date:** 8/7/2026

**Revision Description:**

Initial Release

**Description of Change:**

This PCN notice is to advise customers that Renesas is qualifying TSMC Fab 3 (F3) as an alternate fab location to alleviate supply chain constraint on the products listed in this notice. There is no change to the product design or process technology as compared to the existing fab location, TSMC Fab 6 (F6).

Renesas will provide a conditional qual report by the end of July 2026 that will include all items except HTOL which will be completed by the end of August 2026. This product will have the same Orderable Part Number as the existing DDR5 Temperature Sensor device but with different manufacturing site information in the top mark.

There is no change to the package assembly and backend manufacturing processing including the product datasheets.

**Affected Product List:** Refer Appendix B

**Reason for Change:**

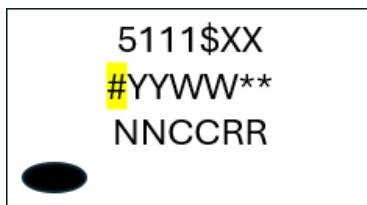
This change will allow the flexibility to ship from all the qualified facilities and will provide an increased capacity.

**Impact on Fit, Form, Function, Quality & Reliability:**

The change, it is expected will have no impact on the form, fit, function, quality, reliability and environmental compliance of the products.

**Product Identification:**

Stepping "X" on product marking denotes the alternate fab location, TSMC Fab 3. Refer top mark diagram as depicted below.



Line 1: 5113 - Device Part Number; \$ - Assembly location; XX- Device Revision  
 Line 2: # - Fab location (X = F3, Y = F6); YY – Year; WW – Work Week  
 Line 3: NN – Scribe for internal tracking; CC – Die location in column for internal tracking; RR – Die location in Row for internal tracking

**Fab Qualification Status at Renesas:** In Progress. Refer below for qualification schedules.

Qualification	Timeline
Conditional Qual. Report (Validation complete except HTOL)	July 2026
Final Qual. Report (All testing complete including reliability)	August 2026

**Sample Availability Date:** Targeting samples to be shipped in May '26

**Test Correlation report:** Available on request

Note:

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.
2. Request customer for an expeditious qualification and approval of this PCN. Renesas intends to start ramping up production shipments in Q3'26.

**For additional information regarding this notice, please contact [idt-pcn@lm.renesas.com](mailto:idt-pcn@lm.renesas.com)**

**Appendix B – Affected Product List**

TS5111-Z2AHRI	TS5111-Z2AHRI8
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