

Product Change Notice (PCN)

Subject: Addition of frontend production site for RX111, RX113, RX130, RX230, RX231 group.

Publication Date: 5/13/2024

Effective Date: 11/1/2024

Revision Description: Initial release.

Description of Change:

Addition of Wafer fabrication site: Renesas Semiconductor Manufacturing Co., Ltd. (Naka Factory)

Affected Product List:

R5F51117ADFL#1A	R5F51306BDFK#30	R5F51307ADFM#10	R5F52315CDFL#10
R5F51117ADFL#3A	R5F51306BDFK#50	R5F51307ADFM#30	R5F52315CDFL#30
R5F51118ADFL#1A	R5F51306BDFM#30	R5F51307ADFM#50	R5F52316CDFL#10
R5F51118ADFL#3A	R5F51306BDFN#10	R5F51308ADFM#10	R5F52316CDFL#30
R5F51117ADFK#1A	R5F51306BDFN#30	R5F51308ADFM#30	R5F52305ADFM#10
R5F51117ADFK#3A	R5F51306BDFN#50	R5F51308ADFM#50	R5F52305ADFM#30
R5F51118ADFK#1A	R5F51305BDFP#10	R5F51307ADFN#10	R5F52305ADFM#50
R5F51118ADFK#3A	R5F51305BDFP#30	R5F51307ADFN#30	R5F52306ADFM#10
R5F51117ADFM#1A	R5F51305BDFP#50	R5F51307ADFN#50	R5F52306ADFM#30
R5F51117ADFM#3A	R5F51306BDFP#10	R5F51308ADFN#10	R5F52306ADFM#50
R5F51118ADFM#1A	R5F51306BDFP#30	R5F51308ADFN#30	R5F52315CDFM#10
R5F51118ADFM#3A	R5F51306BDFP#50	R5F51308ADFN#50	R5F52315CDFM#30
R5F51137ADFM#1A	R5F51307ADFL#10	R5F51307ADFP#10	R5F52316CDFM#10
R5F51137ADFM#3A	R5F51307ADFL#30	R5F51307ADFP#30	R5F52316CDFM#30
R5F51138ADFM#1A	R5F51307ADFL#50	R5F51307ADFP#50	R5F52305ADFP#10
R5F51138ADFM#3A	R5F51308ADFL#10	R5F51308ADFP#10	R5F52305ADFP#30
R5F51137ADFP#1A	R5F51308ADFL#30	R5F51308ADFP#30	R5F52305ADFP#50
R5F51137ADFP#3A	R5F51308ADFL#50	R5F51308ADFP#50	R5F52306ADFP#10
R5F51137ADFP#5A	R5F51307ADFK#10	R5F52305ADFL#10	R5F52306ADFP#30
R5F51138ADFP#1A	R5F51307ADFK#30	R5F52305ADFL#30	R5F52306ADFP#50
R5F51138ADFP#3A	R5F51307ADFK#50	R5F52305ADFL#50	R5F52315CDFP#10
R5F51138ADFP#5A	R5F51308ADFK#10	R5F52306ADFL#10	R5F52315CDFP#30
R5F51306BDFL#30	R5F51308ADFK#30	R5F52306ADFL#30	R5F52316CDFP#10
R5F51306BDFK#10	R5F51308ADFK#50	R5F52306ADFL#50	R5F52316CDFP#30

Reason for Change: For stable supply, we will add the frontend production site.

Impact on Fit, Form, Function, Quality & Reliability: No Impact

Product Identification:

Possible to confirm the production history data from the packing label or trace code.

Qualification Status: Completed. Please contact Renesas sales, distributor, or agency.

Sample Availability Date: 11/1/2024 onward.

Device Material Declaration: Contact Renesas sales, distributor, or agency.

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 Renesas sales representative.

Appendix

Specifications

Wafer process site addition

Existing site: Renesas Semiconductor Manufacturing Kawashiri, Saijo

Additional site: Renesas Semiconductor Manufacturing Naka

4M changing points (Wafer process site addition)

As shown in the following table, the check to 4M change was performed. The quality influence by these changes was verified and confirmed that there is no difference between Naka factory and Kawashiri factory.

Item	Check Result	Judgement
Machine	In this development, Naka uses the equipment of factory (12 in). However, Naka uses the same level of equipment as Kawashiri (8 in), so there is no problem in manufacturing the product.	No risk
Method	The process is transferred from Kawashiri and the same flow as Kawashiri.	No risk
Man	Adopt operator certification system. Only certificated operator can work for the production.	No risk
Material	There is no change in the material. A 12-inch wafer with the same specifications as the one used at the Kawashiri Factory is used.	No risk

Factory overview

Company Name: Renesas Semiconductor Manufacturing Co., Ltd.

Naka Factory: 751, Horiguchi, Hitachinaka-shi, Ibaraki, 312-8511, Japan

Major Operations: Front-end production of integrated circuits

