

Product Change Notice (PCN)

Subject: Standardization of wafer process for RH850/U2Ax and E2x Series.

Publication Date: 6/14/2024

Effective Date: 1/10/2025

Revision Description: Initial Release

Description of Change:

Renesas standardizes wafer process for RH850/U2Ax and E2x Series.

Items		Current	After change	Remarks
Wafer Process	Fab.	TSMC	←	
	Process	RV28F(28nm) Process A (TiN/SiO ₂ /SiN)	RV28F(28nm) Process B (SiON/SiO ₂ /SiN)	The material changes of TOP-Metal layer.

Affected Product List:

Please Refer to “Product List” in “Appendix”

Reason for Change:

For the stable supply of products.

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

The change will have no impact on the form, fit, function, quality and reliability of the devices.

Product Identification:

Each product can be identified through trace code and please contact Renesas sales representatives.

Qualification Status:

U2A16 : Renesas will provide a report on product reliability after 12/20/2024.

Product except U2A16 : Please contact Renesas sales representatives.

Sample Availability Date:

10/1/2024

Device Material Declaration:

Contact Renesas sales representatives.

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

Product List

RH850/U2Ax Series

RH850/U2A6

R7F702302FABB-C#KC1	R7F702302FABB-C#HC4	R7F702302FABB-C#AC4	R7F702302FABB-C#BC9
R7F702302FABB-C#BC4	R7F702302FABB-C#HC9	R7F702302FABB-C#AC9	

RH850/U2A8

R7F702301BFABG-C#KC1	R7F702301BFABG-C#HC8	R7F702301BEBBA-C#HC4	R7F702301BEBBA-C#HC6
R7F702301BFABG-C#HC4	R7F702301BFABG-C#BC8	R7F702301BEBBA-C#BC4	R7F702301BEBBA-C#BC6
R7F702301BFABG-C#BC4	R7F702301BFABG-C#AC8	R7F702301BEBBA-C#AC4	R7F702301BEBBA-C#AC6
R7F702301BFABG-C#AC4			

RH850/U2A16

R7F702300BFABA-C#KC1	R7F702300BFABA-C#AC5	R7F702300BEBBB-C#AC4	R7F702300BEBBC-C#BC6
R7F702300BFABA-C#HC4	R7F702300BEBBC-C#HC4	R7F702300BFABA-C#HC6	R7F702300BEBBC-C#AC6
R7F702300BFABA-C#HC5	R7F702300BEBBC-C#BC4	R7F702300BFABA-C#BC6	R7F702300BEBBB-C#HC6
R7F702300BFABA-C#BC4	R7F702300BEBBC-C#AC4	R7F702300BFABA-C#AC6	R7F702300BEBBB-C#BC6
R7F702300BFABA-C#BC5	R7F702300BEBBB-C#HC4	R7F702300BEBBC-C#HC6	R7F702300BEBBB-C#AC6
R7F702300BFABA-C#AC4	R7F702300BEBBB-C#BC4		

RH850/E2x Series

R7F702011EABG-C#BC0	R7F702013EABG-C#AC0	R7F702014AEABG-C#HC0	R7F702013EABG-C#HC0
R7F702011EABA-C#BC0	R7F702013EABA-C#AC0	R7F702012AEABG-C#AC0	R7F702011EABG-C#AC0
R7F702013EABG-C#BC0	R7F702012AEABG-C#BC0	R7F702012AEABA-C#AC0	R7F702011EABA-C#AC0
R7F702013EABA-C#BC0	R7F702012AEABA-C#BC0	R7F702014AEABG-C#AC0	R7F702014AEABG-C#BC0