

Product Change Notice (PCN)

Subject: Standardization of wafer process for RH850/U2Bx,U2Ax Series.

Publication Date: 9/20/2024

Effective Date: 6/30/2025

Revision Description: Initial Release

Description of Change:

Renesas standardizes wafer process for RH850/ U2Bx,U2Ax 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:

Now available. Please contact Renesas sales representatives.

Sample Availability Date:

12/15/2024

Device Material Declaration:

Please 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/U2Bx Series

R7F702550BFABB-C#BC1	R7F70254EAFABG-C#AC1	R7F702543AFABA-C#BC1	R7F702545AFABG-C#AC1
R7F702552BFABB-C#BC1	R7F70254FAFABG-C#AC1	R7F702544AFABA-C#BC1	R7F702546AFABG-C#AC1
R7F702554BFABB-C#BC1	R7F702540AFABA-C#AC1	R7F702545AFABA-C#BC1	R7F702547AFABG-C#AC1
R7F702556BFABB-C#BC1	R7F702541AFABA-C#AC1	R7F702546AFABA-C#BC1	R7F702548AFABG-C#AC1
R7F702550BFABB-C#HC1	R7F702542AFABA-C#AC1	R7F702547AFABA-C#BC1	R7F702549AFABG-C#AC1
R7F702552BFABB-C#HC1	R7F702543AFABA-C#AC1	R7F702548AFABA-C#BC1	R7F70254AAFABG-C#AC1
R7F702554BFABB-C#HC1	R7F702544AFABA-C#AC1	R7F702549AFABA-C#BC1	R7F70254BAFABG-C#AC1
R7F702556BFABB-C#HC1	R7F702545AFABA-C#AC1	R7F70254AAFABA-C#BC1	R7F70254CAFABG-C#AC1
R7F702556BFABB-C#BC2	R7F702546AFABA-C#AC1	R7F70254BAFABA-C#BC1	R7F70254DAFABG-C#AC1
R7F702550BFABB-C#AC1	R7F702547AFABA-C#AC1	R7F70254CAFABA-C#BC1	R7F70254EAFABG-C#BC1
R7F702552BFABB-C#AC1	R7F702548AFABA-C#AC1	R7F70254DAFABA-C#BC1	R7F70254FAFABG-C#BC1
R7F702554BFABB-C#AC1	R7F702549AFABA-C#AC1	R7F70254EAFABA-C#BC1	R7F702540AFABA-C#BC1
R7F702556BFABB-C#AC1	R7F70254AAFABA-C#AC1	R7F70254FAFABA-C#BC1	R7F702541AFABA-C#BC1
R7F702552BFABB-C#BCV	R7F70254BAFABA-C#AC1	R7F702540AFABB-C#BC1	R7F702542AFABA-C#BC1
R7F702556BFABB-C#BCV	R7F70254CAFABA-C#AC1	R7F702541AFABB-C#BC1	R7F70254BAFABB-C#AC1
R7F702540AFABG-C#BC1	R7F70254DAFABA-C#AC1	R7F702542AFABB-C#BC1	R7F70254CAFABB-C#AC1
R7F702541AFABG-C#BC1	R7F70254EAFABA-C#AC1	R7F702543AFABB-C#BC1	R7F70254DAFABB-C#AC1
R7F702542AFABG-C#BC1	R7F70254FAFABA-C#AC1	R7F702544AFABB-C#BC1	R7F70254EAFABB-C#AC1
R7F702543AFABG-C#BC1	R7F702540AFABB-C#AC1	R7F702545AFABB-C#BC1	R7F70254FAFABB-C#AC1
R7F702544AFABG-C#BC1	R7F702541AFABB-C#AC1	R7F702546AFABB-C#BC1	R7F702540AFABG-C#AC1
R7F702545AFABG-C#BC1	R7F702542AFABB-C#AC1	R7F702547AFABB-C#BC1	R7F702541AFABG-C#AC1
R7F702546AFABG-C#BC1	R7F702543AFABB-C#AC1	R7F702548AFABB-C#BC1	R7F702542AFABG-C#AC1
R7F702547AFABG-C#BC1	R7F702544AFABB-C#AC1	R7F702549AFABB-C#BC1	R7F702543AFABG-C#AC1
R7F702548AFABG-C#BC1	R7F702545AFABB-C#AC1	R7F70254AAFABB-C#BC1	R7F702544AFABG-C#AC1
R7F702549AFABG-C#BC1	R7F702546AFABB-C#AC1	R7F70254BAFABB-C#BC1	R7F70254DAFABG-C#BC1
R7F70254AAFABG-C#BC1	R7F702547AFABB-C#AC1	R7F70254CAFABB-C#BC1	R7F70254AAFABB-C#AC1
R7F70254BAFABG-C#BC1	R7F702548AFABB-C#AC1	R7F70254DAFABB-C#BC1	R7F70254FAFABB-C#BC1
R7F70254CAFABG-C#BC1	R7F702549AFABB-C#AC1	R7F70254EAFABB-C#BC1	

RH850/U2Ax Series

R7F702300BFABA-C#BCV	R7F702300BEBBB-C#BCV	R7F702301BEBBA-C#BCV	R7F702302FABD-C#BC4
R7F702300BFABA-C#HC9	R7F702300BEBBB-C#HC9	R7F702301BEBBA-C#HC9	R7F702302FABD-C#AC4
R7F702300BFABA-C#BC9	R7F702300BEBBB-C#BC9	R7F702301BEBBA-C#BC9	R7F702302FABD-C#HC9
R7F702300BFABA-C#AC9	R7F702300BEBBB-C#AC9	R7F702301BEBBA-C#AC9	R7F702302FABD-C#BC9
R7F702300BEBBC-C#BCV	R7F702301BFABG-C#BCV	R7F702302FABB-C#BCV	R7F702302FABD-C#AC9
R7F702300BEBBC-C#HC9	R7F702301BFABG-C#HC9	R7F702302FABD-C#BCV	R7F702301BFABG-C#AC9
R7F702300BEBBC-C#BC9	R7F702301BFABG-C#BC9	R7F702302FABD-C#KC1	R7F702302FABD-C#HC4
R7F702300BEBBC-C#AC9			