

## 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<br>(TiN/SiO <sub>2</sub> /SiN) | RV28F(28nm) Process B<br>(SiON/SiO <sub>2</sub> /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 |