

Product Change Notice (PCN)

Subject: Add Alternate Fab Location on Select RFD Devices

Publication Date: 2/10/2021

Effective Date: 5/10/2021

Revision Description:

Initial Release

Description of Change:

This PCN notice is to advise customers that Renesas has qualified GF9, USA as an alternate fab location 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, GF XFab, USA.

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

Affected Product List: F2915NBGK, F2915NBGK8, F2955NBGK, F2955NBGK8

Reason for Change:

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

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

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

Product Identification:

Stepping “Y” on product marking denotes the alternate fab location, GF9. Refer top mark diagram as depicted below.

IDTF2915 NBGK #YYWW**\$	IDTF2955 NBGK #YYWW**\$
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Part#	Stepping	
	Current GF Xfab	Alternate GF9
F2915NBGK	ZA	Y
F2955NBGK	Z	Y

where # Stepping ** Lot Seq \$ Mark Code

Qualification Status: Refer Appendix A

Sample Availability Date: 12 weeks from sample order date

Device Material Declaration: Available upon request

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 idt-pcn@lm.renesas.com

Product Qualification Report

Date: 1/19/2021

Product: F2915YNBGK / F2955ZNBGK			
Base Device:	AN703C003-FW	Package Type:	VFQFPN (4.00 x 4.00 x 0.80)
Process Technology:	7RFSOI, 1P3M	Assembly location:	UTAC
Fab location:	GFUSA	Qual Plan#:	Q20-04-002

Test Description	Conditions	Sample size	Results (# rejects)	Comments
High Temperature Operating Life (Dynamic)	JESD22-A108, Ta (125°C), VDD 5.5V +/- 0.1V , 2000 hrs	77	0/77	Pass
ESD: Human Body Model	JESD22-A114 (JS-001)	3	0/3	Pass ¹
ESD: Charged Device Model	JESD22-C101 Class C2	3	0/3	Pass ²
Electrical Characterization	Datasheet	10	Results reported in Datasheet	Complete

Notes:

1. HBM = 2000V
2. CDM= 1000V