

## Product Change Notice (PCN)

**Subject:** Firmware update for Clock Matrix parts 8A35041 and 8A34005

**Publication Date:** 8/31/2021

**Effective Date:** 12/1/2021

### Revision Description:

This revised notice is to add additional affected part numbers RC38612A000GN2#BB0, RC38612A000GN2#HB0 and RC38612A000GN2#KB0 which have been inadvertently left out in the original PCN notice. The PCN effective date will be reset to a new date based on the PCN revision date.

### Description of Change:

This notice is to advise our customers that the firmware for the affected product list will be updated from version 5.2.2 to version 5.2.3 on the effective date of this notice. This is firmware update only and there is no change to the device.

With this change any output driven by a MUX will always be phase aligned to other outputs driven by the same DPLL/DCO channel.

The current firmware version 5.2.2 will be discontinued and replaced by the new firmware version 5.2.3 as of the effective date on this notice. The Last Time Buy (LTB) date for the current firmware version 5.2.2 will be December 1, 2021.

### Affected Product List:

8A35041-000NLG	8A34005-000NLG	RC38612A000GN2#BB0
8A35041-000NLG#	8A34005-000NLG8	RC38612A000GN2#HB0
8A35041-000NLG8	8A34005-001NLG	RC38612A000GN2#KB0
8A35041NLG	8A34005-001NLG8	
8A35041NLG#	8A34005NLG	
8A35041NLG8	8A34005NLG#	
	8A34005NLG8	

### Reason for Change:

MUX'd outputs may experience phase mis-alignment when configuration is loaded.

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

There is no change to the form or fit of the device except changes to the firmware as described in the description of change section of this PCN.

**Product Identification:** FW revision ID is hard-coded in OTP registers. New FW can be identified by FW\_Hotfix=3. If using older version this field will read "2".

**Qualification Status:** Not Applicable. This is firmware update only. Successful regression testing of version 5.2.3 firmware has been completed.

**Sample Availability Date:** 8/3/2021

**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.

<b>For additional information regarding this notice, please contact <a href="mailto:idt-pcn@lm.renesas.com">idt-pcn@lm.renesas.com</a></b>
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