

## Product Change Notice (PCN)

**Subject:** Die Revision Change

**Publication Date:** 5/20/2020

**Effective Date:** 10/1/2020

**Revision Description:**

Initial Release

**Description of Change:**

The change resolves a timing marginality within the feedback divider circuitry where under failing conditions the fractional feedback divider would temporarily latch an incorrect value. To date there have been no customer returns or reports of failures for this issue.

There is no change to the datasheet specifications.

The current version of this device will be discontinued as of the effective date on this notice.

**Reason for Change:**

A continuous improvement analysis was made to the part numbers listed on Page 2-5 and a feedback divider design was found to have been fixed in similar device PCNs (PCN# N1805-01 and PCN# N1807-01).

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

There is no change in the die technology or process technology of this device. There is no change to AC or DC performance of this device. Quality of this device across temperature and voltage has been improved. The design improvement has been extensively validated through both ATE and bench testing.

**Product Identification:**

Products with this change will show "YB" stepping mark on the Topmark.

Stepping mark for the current version of this device is "YA".

**Qualification Status:** Qual by Similarity based on previous revision

**Sample Availability Date:** 5/20/2020

**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](mailto:idt-pcn@lm.renesas.com)

**Affected Product List:**

Orderable Part Number	Orderable Part Number	Orderable Part Number	Orderable Part Number
8T49N285A-001NLGI	8T49N285A-024NLGI	8T49N285A-036NLGI	8T49N285A-107NLGI
8T49N285A-001NLGI8	8T49N285A-024NLGI8	8T49N285A-036NLGI8	8T49N285A-107NLGI8
8T49N285A-002NLGI	8T49N285A-025NLGI	8T49N285A-037NLGI	8T49N285A-108NLGI
8T49N285A-002NLGI8	8T49N285A-025NLGI8	8T49N285A-037NLGI8	8T49N285A-108NLGI8
8T49N285A-003NLGI	8T49N285A-027NLGI	8T49N285A-038NLGI	8T49N285A-109NLGI
8T49N285A-003NLGI8	8T49N285A-027NLGI8	8T49N285A-038NLGI8	8T49N285A-109NLGI8
8T49N285A-004NLGI	8T49N285A-991NLGI	8T49N285A-039NLGI	8T49N285A-110NLGI
8T49N285A-004NLGI8	8T49N285A-991NLGI8	8T49N285A-039NLGI8	8T49N285A-110NLGI8
8T49N285A-006NLGI	8T49N285A-993NLGI	8T49N285A-040NLGI	8T49N285A-111NLGI
8T49N285A-006NLGI8	8T49N285A-993NLGI8	8T49N285A-040NLGI8	8T49N285A-111NLGI8
8T49N285A-007NLGI	8T49N285A-994NLGI	8T49N285A-041NLGI	8T49N285A-112NLGI
8T49N285A-007NLGI8	8T49N285A-994NLGI8	8T49N285A-041NLGI8	8T49N285A-112NLGI8
8T49N285A-008NLGI	8T49N285A-996NLGI	8T49N285A-042NLGI	8T49N285A-113NLGI
8T49N285A-008NLGI8	8T49N285A-996NLGI8	8T49N285A-042NLGI8	8T49N285A-113NLGI8
8T49N285A-009NLGI	8T49N285A-998NLGI	8T49N285A-043NLGI	8T49N285A-114NLGI
8T49N285A-009NLGI8	8T49N285A-998NLGI8	8T49N285A-043NLGI8	8T49N285A-114NLGI8
8T49N285A-010NLGI	8T49N285A-999NLGI	8T49N285A-045NLGI	8T49N285A-115NLGI
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8T49N285A-012NLGI	8T49N285A-023NLGI	8T49N285A-047NLGI	8T49N285A-117NLGI
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8T49N285A-013NLGI	8T49N285A-026NLGI	8T49N285A-048NLGI	8T49N285A-118NLGI
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8T49N285A-022NLGI	8T49N285A-035NLGI	8T49N285A-106NLGI	
8T49N285A-022NLGI8	8T49N285A-035NLGI8	8T49N285A-106NLGI8	

Orderable Part Number	Orderable Part Number	Orderable Part Number	Orderable Part Number
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8T49N286A-003NLGI	8T49N286A-994NLGI	8T49N286A-101NLGI8	8T49N287A-003NLGI
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8T49N286A-005NLGI8	8T49N286A-998NLGI		8T49N287A-005NLGI
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8T49N286A-991NLGI	8T49N286A-032NLGI8		8T49N287A-020NLGI
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Orderable Part Number	Orderable Part Number	Orderable Part Number	Orderable Part Number
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8T49N287A-994NLGI	8T49N287A-054NLGI	8T49N287A-077NLGI	8T49N287A-501NLGI
8T49N287A-994NLGI8	8T49N287A-054NLGI8	8T49N287A-077NLGI8	8T49N287A-501NLGI8
8T49N287A-996NLGI	8T49N287A-055NLGI	8T49N287A-078NLGI	
8T49N287A-996NLGI8	8T49N287A-055NLGI8	8T49N287A-078NLGI8	
8T49N287A-998NLGI	8T49N287A-056NLGI	8T49N287A-079NLGI	

Orderable Part Number	Orderable Part Number	Orderable Part Number	Orderable Part Number
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8T49N1012-992NLGI8	8T49N1012-008NLGI8		